

# Exhibit P

**IN THE UNITED STATES DISTRICT COURT  
FOR THE WESTERN DISTRICT OF LOUISIANA  
MONROE DIVISION**

THE STATE OF LOUISIANA,  
By and through its Attorney General, JEFF  
LANDRY,

THE STATE OF MONTANA,  
By and through its Attorney General, AUSTIN  
KNUDSEN,

THE STATE OF ARIZONA,  
By and through its Attorney General, Mark  
Brnovich, et al.,

PLAINTIFFS,

v.

XAVIER BECERRA, in his official capacity as  
Secretary of Health and Human Services; et al.,

DEFENDANTS.

CIVIL ACTION NO. \_\_\_\_\_

**DECLARATION OF DR. PETER A. MCCULLOUGH, MD, MPH IN SUPPORT OF  
PLAINTIFFS' COMPLAINT**

I, Dr. Peter A. McCullough, do hereby declare as follows:

1. I am over eighteen years of age, and I am not suffering under any mental disability and am competent to give this sworn declaration. I am able to read and write and to give this declaration voluntarily and on my own free will and accord. No one has used any threats, force, pressure, or intimidation to make me sign this affidavit. I understand that I am swearing or affirming under oath to the truthfulness of the claims made in this affidavit under penalties of perjury; that I have read these statements in this affidavit; and these statements are my understanding of the facts and that my opinion provided is based on a reasonable degree of medical certainty. I am working on this case Pro Bono; and have not been paid by Plaintiffs, their attorneys, or anyone else to provide this opinion.

2. I have personal knowledge and understanding of these matters and I make this affidavit in support of the truth of the contents contained herein.

***Summary of Opinions***

3. In sum, I believe within a reasonable degree of medical certainty the following: (1) that the COVID-19 vaccines are not safe generally—that the risks outweigh the benefits for the majority of the population, as explained below; (2) that the COVID-19 vaccines do not prevent transmission of disease among the vaccinated or mixed vaccinated-unvaccinated populations; (3) that mandatory COVID-19 vaccination for hospital employees does not increase safety for employees or hospital patients; and (4) that the importance of maintaining patient autonomy and protection from vaccine injury, disability, and death, far out-weighs any perceived public health benefit gained by mandating vaccinations against the will of employees.

***Qualifications***

4. After receiving a bachelor's degree from Baylor University, I completed my medical degree as an Alpha Omega Alpha graduate from the University of Texas Southwestern Medical School in Dallas. I went on to complete my internal medicine residency at the University of Washington in Seattle, a cardiology fellowship including service as Chief Fellow at William Beaumont Hospital, and a master's degree in public health in the field of epidemiology at the University of Michigan. I am board certified in internal medicine and cardiovascular disease and hold an additional certification in clinical lipidology, and previously echocardiography. I participate in the maintenance of certification programs by the American Board of Internal Medicine for both Internal Medicine and Cardiovascular Diseases. I practice internal medicine and clinical cardiology as well as teach, conduct research, and I am an active scholar in medicine with roles as an author, editor-in-chief of two peer-reviewed journals, editorialist, and reviewer at dozens of major medical journals and textbooks. .

5. I have led clinical, education, research, and program operations at major academic centers (Henry Ford Hospital, Oakland University William Beaumont School of Medicine) as well as academically oriented community health systems. I spearheaded the clinical development of in vitro natriuretic peptide and neutrophil gelatinase associated lipocalin assays in diagnosis, prognosis, and management of heart and kidney disease now used worldwide. I also led the first clinical study demonstrating the relationship between severity of acute kidney injury and mortality after myocardial infarction. I have contributed to the understanding of the epidemiology of chronic heart and kidney disease through many manuscripts from the Kidney Early Evaluation Program Annual Data Report published in the American Journal of Kidney Disease and participated in clinical trial design and execution in cardiorenal applications of acute kidney injury, hypertension,

acute coronary syndromes, heart failure, and chronic cardiorenal syndromes. I participated in event adjudication (involved attribution of cause of death) in trials of acute coronary syndromes, chronic kidney disease, heart failure, and data safety and monitoring of antidiabetic agents, renal therapeutics, hematology products, and gastrointestinal treatments. I have served as the chairman or as a member of over 20 randomized trials of drugs, devices, and clinical strategies. Sponsors have included pharmaceutical manufacturers, biotechnology companies, and the National Institutes of Health.

6. I frequently lecture and advise on internal medicine, nephrology, and cardiology to leading institutions worldwide. I am recognized by my peers for my work on the role of chronic kidney disease as a cardiovascular risk state. I have over 1,000 related scientific publications, including the “Interface between Renal Disease and Cardiovascular Illness” in *Braunwald’s Heart Disease Textbook*. My works have appeared in the *New England Journal of Medicine*, *Journal of the American Medical Association*, and other top-tier journals worldwide. I am a senior associate editor of the *American Journal of Cardiology*. I have testified before the U.S. Senate Committee on Homeland Security and Governmental Affairs, the U.S. Food and Drug Administration Cardiorenal Advisory Panel and its U.S. Congressional Oversight Committee, the New Hampshire Senate, the Colorado House of Commons, Texas Senate Committee on Health and Human Services, and the South Carolina Senate Committee on Medical Affairs. I am a Fellow of the American College of Cardiology, the American Heart Association, the American College of Chest Physicians, the National Lipid Association, the Cardiorenal Society of America, and the National Kidney Foundation; and I am also a Diplomate of the American Board of Clinical Lipidology. In 2013, I was honored with the International Vicenza Award for Critical Care Nephrology for my contribution and dedication to the emerging problem of cardiorenal syndromes. I am a founding

member of Cardiorenal Society of America, an organization dedicated to bringing together cardiologists and nephrologists and engage in research, improved quality of care, and community outreach to patients with both heart and kidney disease. I am the current President of the Cardiorenal Society of America, an expert organization dedicated to advancing research and clinical care for patients who have combined heart and kidney disease. I am the former Editor-in-Chief of *Cardiorenal Medicine*, a primary research journal listed by the National Library of Medicine which is the only publication with a primary focus on research concerning patients with combined heart and kidney disease. Finally, I am the current Editor-in-Chief of Reviews in Cardiovascular Medicine, a widely read journal that publishes reviews on contemporary topics in cardiology and is also listed by the National Library of Medicine.

7. Since the outset of the pandemic, I have been a leader in the medical response to the COVID-19 disaster and have published “Pathophysiological Basis and Rationale for Early Outpatient Treatment of SARS-CoV-2 (COVID-19) Infection,” the first synthesis of sequenced multidrug treatment of ambulatory patients infected with SARS-CoV-2 in the American Journal of Medicine and updated in Reviews in Cardiovascular Medicine. I have 50 peer-reviewed publications on the COVID-19 infection cited in the National Library of Medicine. Through a window to public policymakers, I have contributed extensively on issues surrounding the COVID-19 crisis in a series of OPED’s for The Hill in 2020. Starting in 2021, I publish a weekly contribution on America Out Loud, The McCullough Report. I testified on the SARS-CoV-2 outbreak in the U.S. Senate Committee on Homeland Security and Governmental Affairs on November 19, 2020. I testified on lessons learned from the pandemic response in the Texas Senate Committee on Health and Human Services on March 10, 2021, and on early treatment of COVID-19 at the Colorado General Assembly on March 31, 2021. I testified in the New Hampshire Senate on legislation concerning the

investigational COVID-19 vaccine on April 14, 2020. I testified in the South Carolina Senate Committee on Medical Affairs on September 22, 2021, concerning ambulatory treatment options for high-risk patients with acute COVID-19. My expertise on the SARS-CoV-2 infection and COVID-19 syndrome, like that of infectious disease specialists, is approximately 18 months old with the review of hundreds of manuscripts and with the care of many patients with acute COVID-19, post-COVID-19 long-hauler syndromes, and COVID-19 vaccine injury syndromes including neurologic damage, myocarditis, and a variety of other internal medicine problems that have occurred after the mRNA and adenoviral DNA COVID-19 vaccines. I have formed my opinions in close communications with many clinicians around the world based on, in part, our collective clinical experience with acute and convalescent COVID-19 cases as well as closely following the preprint and published literature on the outbreak. I have specifically reviewed key published rare cases and reports concerning the possible recurrence of SARS-CoV-2 in patients who have survived an initial episode of COVID-19 illness.

***Discussion***

8. In my expert opinion, the objective of “herd immunity” has been largely achieved in the United States, considering the number of recovered cases of COVID-19 and the population of vaccinated persons who may possess some degree of immunity in the first few months of vaccination from the legacy SARS-CoV-2 variants (wild-type, alpha, beta, gamma). At this point, with the dominant delta variant, mandating additional vaccinations is causing more harm than good.

9. There is negligible risk for adults younger than the age of 60. For example, based on CDC data from mid-summer, for each 1-29-year-old that dies from COVID-19, four 30-39-

year-olds die; ten 40-49-year-olds die; thirty-five 50-64-year-olds die; ninety-five 65-74-year-olds die; 230 75-84-year-olds die; and 610 over 85 years of age die.

10. The epidemic spread of COVID-19, like all other respiratory viruses, notably influenza, is driven by symptomatic persons; asymptomatic spread is trivial and inconsequential.

11. A meta-analysis of contact tracing studies published in The Journal of the American Medical Association showed asymptomatic COVID-19 spread was negligible at 0.7%. Zachary J. Madewell, Ph.D.; Yang Yang, Ph.D.; Ira M. Longini Jr, Ph.D.; M. Elizabeth Halloran, MD, DSc; Natalie E. Dean, Ph.D., Household Transmission of SARS-CoV-2: A Systematic Review and Meta-analysis, JAMA Network Open, available at <https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2774102> (last visited June 20, 2021).

12. Accordingly, a rational and ethical prevention measure to reduce the spread of COVID-19 is a simple requirement, as part of formal policies, that persons with active symptomatic, febrile (feverish) respiratory illnesses, like COVID-19, should isolate themselves. Indeed, during the H1N1 influenza A pandemic, fully open, unmasked college campuses were advised by federal health officials, “Flu-stricken college students should stay out of circulation” and “if they can’t avoid contact they need to wear surgical masks.” Great Falls Tribune, Advice: Flu-stricken college students should stay out of circulation, August 21, 2009, page 5, section A, available at <https://www.newspapers.com/image/243611045>.

### ***Advances in COVID-19 Treatments***

13. Even if the virus is contracted, the treatment of the infection has improved tremendously since the advent of COVID-19. Studies have shown several different treatment methods, which have proven effective. A combination of medications, supported by the Association of American Physicians and Surgeons, for a minimum of five days and acutely administered



supplements used for the initial ambulatory patient with suspected and or confirmed COVID-19 (moderate or greater probability) has proven effective. Brian C Procter, Casey Ross, Vanessa Pickard, Erica Smith, Cortney Hanson, Peter A McCullough, Clinical outcomes after early ambulatory multidrug therapy for high-risk SARS-CoV-2 (COVID-19) infection, *Reviews in Cardiovascular Medicine* (December 30, 2021), available at <https://rcm.imrpess.com/EN/10.31083/j.rcm.2020.04.260> (last visited June 26, 2021), summarized in Table 3 below. This approach has resulted in an ~85% reduction in hospitalization and death in high-risk individuals presenting with COVID-19 (<https://ijirms.in/index.php/ijirms/article/view/1100>):

**Table 1: COVID-19 Treatments**

Agent (drug)	Rationale
Zinc	Inhibits SARS-CoV-2 RNA synthesis
Hydroxychloroquine 200 mg po bid	Inhibits endosomal transfer of virions, anti-inflammatory
Ivermectin (200 mcg/kg) usual dose mediated nuclear12 mg po qd x 3 days	Attenuates importin $\alpha$ - transport of SARS-CoV-2 into nucleus
Azithromycin 250 mg po bid	Covers respiratory bacterial pathogens in secondary infection
Doxycycline 100 mg po bid	Covers respiratory bacterial pathogens in secondary infection
Inhaled budesonide, Dexamethasone 8 mg IM	Treats cytokine storm
Folate, thiamine, vitamin B-12	Reduce tissue oxidative stress
Intravenous fluid	Intravascular volume expansion

14. I, along with colleagues, conducted the study which evaluated patients between the ages of 12 and 89 years. The average age was 50.5 and 61.6% were women. The study found that primary care physicians can treat COVID-19 patients resulting in rates of hospitalization and death. The study showed that administration of the medicines and supplements shown in Table 1 produces a less than 2% chance of facing hospitalization or death among high-risk adults (age over 50 with medical problems). As this study was done with mainly higher-risk patients at the peak of the pandemic, this is a highly successful treatment plan and just one of the many new treatments that

have been used in the last year including those admitted for COVID-19 which are covered in the NIH COVID-19 Guidelines. *Id.*; *see also* National Institutes of Health, Therapeutic Management of Adults With COVID-19 (Updated May 24, 2021), <https://www.COVID-1919treatmentguidelines.nih.gov/management/therapeutic-management/> (last visited June 21, 2021).

15. In my expert medical opinion, the combination of lowering COVID-19 rates, achievement of herd immunity, and the drastically improved treatment options make the Emergency Use Authorization for the investigational COVID-19 vaccine sponsored by the US FDA and CDC, unreasonable from a scientific and medical perspective.

#### ***COVID-19 Vaccine Research and Development***

16. The COVID-19 genetic vaccines (Pfizer, Moderna, J&J) skipped testing for genotoxicity, mutagenicity, teratogenicity, and oncogenicity. In other words, it is unknown whether or not these products will change human genetic material, cause birth defects, reduce fertility, or cause cancer.

17. The Pfizer, Moderna, and JNJ vaccines are considered “genetic vaccines”, or vaccines produced from gene therapy molecular platforms which according to US FDA regulatory guidance are classified as gene delivery therapies and should be under a 15-year regulatory cycle with annual visits for safety evaluation by the research sponsors. FDA. Food and Drug Administration. (Long Term Follow-up After Administration of Human Gene Therapy Products. Guidance for Industry. FDA-2018-D-2173. 2020. Accessed July 13, 2021, at <https://www.fda.gov/regulatory-information/search-fda-guidance-documents/long-term-follow-after-administration-human-gene-therapy-products>).

18. The FDA has “advised sponsors to observe subjects for delayed adverse events for as long as 15 years following exposure to the investigational gene therapy product, specifying that the long-term follow-up observation should include a minimum of five years of annual examinations, followed by ten years of annual queries of study subjects, either in person or by questionnaire.” (emphasis added). Thus, the administration of the Moderna, Pfizer, and JNJ vaccines should not be undertaken without the proper consent and arrangements for long-term follow-up which are currently not offered in the US. (See, EUA briefing documents for commitments as to follow up: Moderna, Pfizer, J&J). They have a dangerous mechanism of action in that they all cause the body to make an uncontrolled quantity of the pathogenic wild-type spike protein from the SARS-CoV-2 virus for at least two weeks probably a longer period based on the late emergence of vaccine injury reports. This is unlike all other vaccines where there is a set amount of antigen or live-attenuated virus. This means for Pfizer, Moderna, and J&J vaccines it is not predictable among patients who will produce more or less of the spike protein. The Pfizer, Moderna, and JNJ vaccines because they are different, are expected to produce different libraries of limited antibodies to the now extinct wild-type spike protein. We know the spike protein produced by the vaccines is obsolete because the 17th UK Technical Report on SARS-CoV-2 Variants issued June 25, 2021, and the CDC June 19, 2021, Variant Report both indicate the SARS-CoV-2 wild type virus to which all the vaccines were developed is now extinct. [https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment\\_data/file/1001354/Variants\\_of\\_Concern\\_VOC\\_Technical\\_Briefing\\_17.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1001354/Variants_of_Concern_VOC_Technical_Briefing_17.pdf); [https://COVID19.cdc.gov/COVID-19-datatracker/?CDC\\_AA\\_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019ncov%2Fcases-updates%2Fvariant-proportions.html#variant-proportions](https://COVID19.cdc.gov/COVID-19-datatracker/?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019ncov%2Fcases-updates%2Fvariant-proportions.html#variant-proportions).

The spike protein itself has been demonstrated to injure vital organs such as the brain, heart, lungs, as well as damage blood vessels and directly cause blood clots. Additionally, because these vaccines infect cells within these organs, the generation of spike protein within heart and brain cells, in particular, causes the body's own immune system to attach to these organs. This is abundantly apparent with the burgeoning number of cases of myocarditis or heart inflammation among individuals below age 30 years. See, *infra* ¶¶ 48 - 54.

Because the US FDA and CDC have offered no interpretation of overall safety of the COVID-19 vaccines according to the manufacturer or as a group, nor have they offered methods of risk mitigation for these serious adverse effects which can lead to permanent disability or death, no one should be pressured, coerced, receive the threat or reprisal, or be mandated to receive one of these investigational products against their will. Because the vaccine centers, CDC, FDA, and the vaccine manufacturers ask for the vaccine recipient to grant indemnification on the consent form before injection, all injuries incurred by the person are at their own cost which can be prohibitive depending on the needed procedures, hospitalizations, rehabilitation, and medications.

19. In general, it is never good clinical practice to widely utilize novel biological products in populations that have not been tested in registrational trials. For COVID-19 vaccines, this includes COVID-19 survivors, those with prior suspected COVID-19 infection, those with positive SARS-CoV-2 serologies, pregnant women, and women of childbearing potential who cannot assure contraception.

20. It is never good research practice to perform a large-scale clinical investigation without the necessary structure to ensure the safety and protection of human subjects. These structures include a critical event committee, data safety monitoring board, and human ethics committee. These groups in large studies work to objectively assess the safety of the

investigational product and research integrity. The goal is mitigating risk and protecting human subjects. It is my understanding that the COVID-19 vaccine program is sponsored by the CDC and FDA and has none of these safety structures in place. It is my assessment, that the COVID-19 clinical investigation has provided no meaningful risk mitigation for subjects (restricting groups, a special assessment of side effects, follow-up visits, or changes in the protocol to ensure or improve the safety of the program).

***COVID-19 Vaccine Transmission and Risk***

21. The COVID-19 public vaccination program operated by the CDC and the FDA is a clinical investigation and under no circumstance can any person receive pressure, coercion, or threat of reprisal on their free choice of participation. Violation of this principle of autonomy by any entity constitutes reckless endangerment with a reasonable expectation of causing personal injury, disability, or death resulting in damages.

22. The current COVID-19 vaccines are not sufficiently protective against contracting COVID-19 to support its use beyond the current ***voluntary*** participation in the CDC- sponsored program. A total of 10,262 SARS-CoV-2 vaccine breakthrough infections had been reported from 46 U.S. states and territories as of April 30, 2021. Among these cases, 6,446 (63%) occurred in females, and the median patient age was 58 years (interquartile range = 40–74 years). Based on preliminary data, 2,725 (27%) vaccine breakthrough infections were asymptomatic, 995 (10%) patients were known to be hospitalized, and 160 (2%) patients died. Among the 995 hospitalized patients, 289 (29%) were asymptomatic or hospitalized for a reason unrelated to COVID-19. The median age of patients who died was 82 years (interquartile range = 71–89 years); 28 (18%) decedents were asymptomatic or died from a cause unrelated to COVID-19. Sequence data were available from 555 (5%) reported cases, 356 (64%) of which were identified as SARS-CoV-2

variants of concern, including B.1.1.7 (199; 56%), B.1.429 (88; 25%), B.1.427 (28; 8%), P.1 (28; 8%), and B.1.351 (13; 4%). None of these variants are encoded in the RNA or DNA of the current COVID-19 vaccines. In response to these numerous reports, the CDC announced on May 1, 2021, that community breakthrough cases would no longer be reported to the public and only those vaccine failure cases requiring hospitalization will be reported, presumably on the CDC website (<https://www.cdc.gov/mmwr/volumes/70/wr/mm7021e3.htm>). This overt asymmetric reporting will create the false picture of only unvaccinated individuals developing COVID-19 when in reality patients who are fully vaccinated will be contracting breakthrough infections except for those vaccinated individuals who were previously immune from prior COVID-19 infection.

23. The Delta variant of SARS-CoV-2 accounts for the 98.9% of present (<https://covid.cdc.gov/covid-data-tracker/#variant-proportions>) cases in the United Kingdom, Israel, and the United States. Because of progressive mutation of the spike protein, the virus has achieved an immune escape from the COVID-19 vaccines with the most obvious example being Israel where indiscriminate vaccination achieved 80% immunization rates.

24. This has promoted the emergence of the Delta variant as the dominant strain and because it is not adequately covered by the Pfizer COVID-19 vaccine, >80% of Israeli COVID-19 cases have occurred in persons fully vaccinated.

23. In the SARS-CoV-2 variants of concern and variants under investigation in England Technical briefing 17 25 June 2021, 92,056 cases had the Delta variant and 50/7235 fully vaccinated and 44/53,822 of the unvaccinated died. This indicates that the fully vaccinated who contract the Delta variant have an 8.6-fold increased risk for death, (95% CI 5.73-12.91),  $p < 0.0001$ , as compared to those who chose to remain unvaccinated, <https://assets.publishing.service.gov.uk/government>

/uploads/system/uploads/attachment\_data/file/1001354/Variants of Concern VOC Technical Briefing 17.pdf.

25. The CDC has published a report titled: “Outbreak of SARS-CoV-2 Infections, Including COVID-19 Vaccine Breakthrough Infections, Associated with Large Public Gatherings — Barnstable County, Massachusetts, July 2021” demonstrating complete failure of the COVID-19 in controlled spread of SARS-CoV-2 in congregate settings. My interpretation of this report is that the vaccines are not sufficiently effective to make the elective, investigation vaccine recommended for use beyond individual preference. <https://www.cdc.gov/mmwr/volumes/70/wr/pdfs/mm7031e2-H.pdf>.

26. Reported cases of breakthrough infections demonstrate that the COVID-19 vaccines do not prevent transmission. According to the CDC, as of July 26, 2021, there were 161 million people in the United States fully vaccinated, with 6,587 reported breakthrough infections resulting in hospitalization or death. As of August 23, 2021, the number and rate of breakthrough infections markedly increased; 171 million fully vaccinated, with 11,050 breakthrough infections resulting in hospitalization or death.

27. This trend was confirmed in a Correspondence published in the New England Journal of Medicine, *Resurgence of SARS-CoV-2 Infection in a Highly Vaccinated Health System Workforce*, reporting on infection rates among the University of the California San Diego Health workforce between December 2020 and July 2021. See <https://www.nejm.org/doi/full/10.1056/NEJMc2112981>. According to the report, “coincident with the end of California’s mask mandate on June 15 and the rapid dominance of the B.1.617.2 (delta) variant that first emerged in mid-April and accounted for over 95% of UCSDH isolates by the end of July [], infections increased rapidly, including cases among fully vaccinated persons.” This “dramatic

change in vaccine effectiveness,” according to the authors “is likely due to both the emergence of the delta variant and waning immunity over time, compounded by the end of the masking requirement in California and the resulting greater risk of exposure in the community.”

28. In 1990, the Vaccine Adverse Event Reporting System (“VAERS”) was established as a national early warning system to detect possible safety problems in U.S. licensed vaccines. VAERS is a passive reporting system, meaning it relies on individuals to voluntarily send in reports of their experiences to the CDC and FDA. VAERS is useful in detecting unusual or unexpected patterns of adverse event reporting that might indicate a possible safety problem with a vaccine.

29. The total safety reports in VAERS for all vaccines per year up to 2019 was 16,320. The total safety reports in VAERS for COVID-19 Vaccines alone through June 18, 2021, is 387,288. Based on VAERS as of October 29, 2021, there were 18,078 COVID-19 vaccine deaths reported and 88,910 hospitalizations reported for the COVID-19 vaccines (Pfizer, Moderna, JNJ). By comparison, from 1999, until December 31, 2019, VAERS received 3167 death reports (158 per year) adult death reports for all vaccines combined. Thus, the COVID-19 mass vaccination is associated with at least a 39-fold increase in annualized vaccine deaths reported to VAERS.

30. COVID-19 vaccine adverse events account for 98% of all vaccine-related AEs from December 2020 through the present in VAERS.

31. There are emerging trends showing that the vaccine is especially risky for those in my expert medical opinion with complications in the cardiovascular, neurological, hematologic, and immune systems. (See, Rose J, et al). Increasingly the medical community is acknowledging the possible risks and side effects including myocarditis, Bell’s Palsy, Pulmonary Embolus, Pulmonary Immunopathology, and severe allergic reaction causing anaphylactic shock. See Chien-Te Tseng,



Elena Sbrana, Naoko Iwata- Yoshikawa, Patrick C Newman, Tania Garron, Robert L Atmar, Clarence J Peters, Robert B Couch, Immunization with SARS coronavirus vaccines leads to pulmonary immunopathology on challenge with the SARS virus, <https://pubmed.ncbi.nlm.nih.gov/22536382/> (last visited June 21, 2021); Centers for Disease Control and Prevention, Allergic Reactions Including Anaphylaxis After Receipt of the First Dose of Pfizer-BioNTech COVID-19 Vaccine—United States, December 14– 23, 2020 (Jan 15, 2021), <https://www.cdc.gov/mmwr/volumes/70/wr/mm7002e1.htm> (last visited June 26, 2021).

32. The Centers for Disease Control has held emergency meetings on this issue and the medical community is responding to the crisis. It is known that myocarditis causes injury to heart muscle cells and may result in permanent heart damage resulting in heart failure, arrhythmias, and cardiac death. These conditions could call for a lifetime need for multiple medications, implantable cardio defibrillators, and heart transplantation. Heart failure has a five-year 50% survival and would markedly reduce the lifespan of a child or young adult who develops this complication after vaccine-induced myocarditis (ref McCullough PA Reach Study).

33. COVID-19 vaccine-induced myocarditis has a predilection for young males below age 30 years. The Centers for Disease Control has held emergency meetings on this issue and the medical community is responding to the crisis and the US FDA has issued a warning on the Pfizer and Moderna vaccines for myocarditis. In the cases reviewed by the CDC and FDA, 90% of children with COVID-19 induced myocarditis developed symptoms and clinical findings sufficiently severe to warrant hospitalization. Because this risk is not predictable and the early reports may represent just the tip of the iceberg, no individual under age 30 under any set of circumstances should feel obliged to take this risk with the current genetic vaccines particularly

the Pfizer and Moderna products. <https://www.fda.gov/news-events/press-announcements/coronavirus-COVID-19-update-16june-25-2021>.

34. Multiple recent studies and news reports detail people 18-29 dying from myocarditis after receiving the COVID-19 vaccine. According to the CDC, 475 cases of pericarditis and myocarditis have been identified in vaccinated citizens aged 30 and younger. See FDA, Vaccines and Related Biological Products Advisory Committee June 10, 2021, Meeting Presentation, <https://www.fda.gov/media/150054/download#page=17> (last visited June 21, 2021).

35. The FDA found that people 12-24 account for 8.8% of the vaccines administered, but 52% of the cases of myocarditis and pericarditis were reported. *Id.*

36. Further, in June, the CDC announced that the vaccine is “likely linked” to myocarditis. Advisory Board, CDC panel reports ‘likely association’ of heart inflammation and mRNA COVID-19 vaccines in young people, (June 24, 2021) <https://www.advisory.com/daily-briefing/2021/06/24/heart-inflammation>.

37. The CDC recently released data stating that there have been 267 cases of myocarditis or pericarditis reported after receiving one dose of the COVID-19 vaccines and 827 reported cases after two doses through June 11. There are 132 additional cases where the number of doses received is unknown. *Id.* There have been 11,449 reported cases of myocarditis that have occurred, and the median age is thirty. *Id.* <https://www.openvaers.com/COVID-19-data> (accessed October 29, 2021)

38. Hoeg and colleagues have demonstrated using VAERS and VSAFE data that the rate of myocarditis is much higher than the CDC originally estimated. Hoeg also found that a young person ages 12-17 was more likely to be hospitalized with vaccine-induced myocarditis than with COVID-19 respiratory infection after wisely declining vaccination.(Hoeg et al, 2021)

39. The US FDA has given an update on the JNJ vaccine concerning the risk of cerebral venous sinus thrombosis and thrombosis with thrombocytopenia in women ages 18-48 associated with low platelet counts. This complication causes a variety of stroke-like syndromes that can involve the cranial nerves, vision, and coordination. Blood clots in the venous sinuses of the brain are difficult to remove surgically and require blood thinners sometimes with only partial recovery. In some cases, special glasses are required to correct vision and these young adults can be expected to miss considerable time away from school undergoing neurological rehabilitation. Because this risk is not predictable no woman under age 48 under any set of circumstances should feel obliged to take this risk with the JNJ vaccine. Such catastrophic neurologic thrombotic events could occur in first responders or critical infrastructure employees while on duty. <https://www.fda.gov/news-events/press-announcements/joint-cdc-and-fda-statement-johnson-johnson-COVID-19-vaccine>.

40. Additionally, the US FDA has an additional warning for Guillen-Barre Syndrome or ascending paralysis for the JNJ vaccine which is not predictable and when it occurs can result in ascending paralysis, respiratory failure, the need for critical care, and death. Not all cases completely resolve, and some vaccine victims may require long term mechanical ventilation, or become quadra- or paraplegics. Prolonged neurological rehabilitation is commonly required, and this will call for time away from school and studies for those children injured from the JNJ vaccine with Guillen-Barre Syndrome. This syndrome is unpredictable and could occur in a critical worker while on duty and thus potentially harming others (passengers, coworkers, etc). <https://www.fda.gov/media/150723/download>.

41. The vaccine is also far less safe than previous vaccines like the meningococcal meningitis vaccine that is typically required on college campuses which in 2019 recorded zero

deaths. The COVID-19 vaccines since their EUA approval on May 10, 2021, have already claimed the lives of 15 children and 79 young individuals under age 30 (VAERS).

***Risks of the COVID-19 Vaccines for Those Recovered from COVID-19***

42. There is recent research on the fact that the COVID-19 vaccine is dangerous for those who have already had COVID-19 and have recovered with inferred robust, complete, and durable immunity. These patients were excluded from the FDA-approved clinical trials performed by Pfizer, Moderna, and J&J. From these trials the safety profile was unknown when the products were approved for Emergency Use Authorization in 2020. There has been no study demonstrating clinical benefit with COVID-19 vaccination in those who have well documented or even suspected prior COVID-19 illness.

43. A medical study of United Kingdom healthcare workers who had already had COVID-19 and then received the vaccine found that they suffered higher rates of side effects than the average population. Rachel K. Raw, et al., Previous COVID-19 infection but not Long-COVID-19 is associated with increased adverse events following BNT162b2/Pfizer vaccination, medRxiv (preprint), <https://www.medrxiv.org/content/10.1101/2021.04.15.21252192v1> (last visited June 21, 2021).

44. The test group experienced more moderate to severe symptoms than the study group that did not previously have COVID-19. *Id.* The symptoms included fever, fatigue, myalgia-arthritis, and lymphadenopathy. *Id.* Raw found that in 974 individuals who received the BNT162b2/Pfizer vaccine, those with a prior history of SARS-CoV-2 or those who had positive antibodies at baseline had a higher rate of vaccine reactions than those who were COVID-19 naive.

45. Mathioudakis et al. reported that in 2020 patients who underwent vaccination with either mRNA-based or vector-based COVID-19 vaccines, COVID-19-recovered patients who were needlessly vaccinated had higher rates of vaccine reactions.

46. Krammer et al. reported on 231 volunteers for COVID-19 vaccination, 83 of whom had positive SARS-CoV-2 antibodies at the time of immunization. The authors found: “Vaccine recipients with preexisting immunity experience systemic side effects with a significantly higher frequency than antibody naïve vaccines (e.g., fatigue, headache, chills, fever, muscle or joint pains, in order of decreasing frequency,  $P < 0.001$  for all listed symptoms, Fisher’s exact test, two-sided).” (<https://www.medrxiv.org/content/10.1101/2021.01.29.21250653v1>).

***Natural Immunity: Likelihood of Re-infection and Transmission***

47. To my knowledge, there are no trustworthy studies that demonstrate the clinical benefit of COVID-19 vaccination in COVID-19 survivors or those with suspected COVID-19 illness or subclinical disease who have laboratory evidence of prior infection.

48. It is my opinion that SARS-CoV-2 causes an infection in humans that results in robust, complete, and durable immunity, and is superior to vaccine immunity which by comparison has demonstrated massive failure including over 10,000 well-documented vaccine failure cases as reported by the CDC before tracking was stopped on May 31, 2021. There are no studies demonstrating the clinical benefit of COVID-19 vaccination in COVID-19 survivors and there are three studies demonstrating harm in such individuals. Thus, it is my opinion that the COVID-19 vaccination is contraindicated in COVID-19 survivors many of whom may be in the student population.

49. Multiple laboratory studies conducted by highly respected U.S. and European academic research groups have reported that convalescent mildly or severely infected COVID-19

patients who are unvaccinated can have greater virus-neutralizing immunity— especially more versatile, long-enduring T- cell immunity—relative to vaccinated individuals who were never infected. See Athina Kilpeläinen, et al., Highly functional Cellular Immunity in SARS-CoV-2 Non-Seroconvertors is associated with immune protection, bioRxiv (pre-print), <https://www.biorxiv.org/content/10.1101/2021.05.04.438781v1> (last visited June 26, 2021); Tongcui Ma, et al., Protracted yet coordinated differentiation of long-lived SARS- CoV-2-specific CD8+ T cells during COVID-19 convalescence, bioRxiv (pre-print), <https://www.biorxiv.org/content/10.1101/2021.04.28.441880v1> (last visited June 26, 2021); Claudia Gonzalez, et al., Live virus neutralisation testing in convalescent patients and subjects vaccinated against 19A, 20B, 20I/501Y.V1 and 20H/501Y.V2 isolates of SARS-CoV-2, medRxiv (pre-print), <https://www.medrxiv.org/content/10.1101/2021.05.11.21256578v1> (last visited June 21, 2021); Carmen Camara, et al. Differential effects of the second SARS-CoV-2 mRNA vaccine dose on T cell immunity in naïve and COVID-19 recovered individuals, bioRxiv (pre-print), <https://www.biorxiv.org/content/10.1101/2021.03.22.436441v1> (last visited June 26, 2021); Ellie N. Ivanova, et al., Discrete immune response signature to SARS-CoV-2 mRNA vaccination versus infection, medRxiv (pre-print), <https://www.medrxiv.org/content/10.1101/2021.04.20.21255677v1> (last visited June 26, 2021); Catherine J. Reynolds, et al, Prior SARS-CoV-2 infection rescues B and T cell responses to variants after first vaccine dose, (pre-print), <https://pubmed.ncbi.nlm.nih.gov/33931567/> (last visited June 21, 2021); Yair Goldberg, et al., Protection of previous SARS-CoV-2 infection is similar to that of BNT162b2 vaccine protection: A three-month nationwide experience from Israel, medRxiv (pre-print), <https://www.medrxiv.org/content/10.1101/2021.04.20.21255670v1> (last visited 06/26 21).

50. Cleveland Clinic studied their employees for the effects of natural immunity in unvaccinated people as summarized by Block. (Block J. Vaccinating people who have had covid-19: why doesn't natural immunity count in the US? *BMJ*. 2021 Sep 13;374:n2101. doi: 10.1136/bmj.n2101. Erratum in: *BMJ*. 2021 Sep 15;374:n2272. PMID: 34518194.). They found zero SARS-CoV-2 reinfections during a 5-month follow-up among n=1359 infected employees who were naturally immune remained unvaccinated and concluded such persons are “unlikely to benefit from COVID-19 vaccination.” Among those who were vaccinated, unlike the naturally immune, there were vaccine failure or breakthrough cases of COVID-19. *Id.*

51. An analysis by Murchu et al demonstrated in 615,777 individuals which included well-documented COVID-19 as well as subclinical infections with positive serologies, there was a negligible incidence (<1%) of COVID-19 over the long term. Murchu found no evidence of waning immunity over time suggesting no possibility that future vaccination would be indicated for any reason. <https://onlinelibrary.wiley.com/doi/10.1002/rmv.2260>.

52. A published article in *Nature* reported that prior infection induces long-lived bone marrow plasma cells which means the antibodies to prevent reinfection of COVID-19 are long-lasting. Jackson S. Turner et. al. SARS-CoV-2 infection induces long-lived bone marrow plasma cells in humans, (May 24, 2021) <https://www.nature.com/articles/s41586-021-03647-4>.

53. An even more recent report (September 13, 2021) in the *BMJ* (formerly named *British Medical Journal*), titled *Vaccinating people who have had covid-19: why doesn't natural immunity count in the US?* (<https://hcn.health/hcn-trends-story/vaccinating-people-who-have-had-covid-19-why-doesnt-natural-immunity-count-in-the-us/z>) provides an excellent summary of the current state of medical science on natural immunity to COVID-19, including how other countries have factored natural immunity into their public health policies. The report quotes a vaccinologist

and professor in global health at the University of Southern Denmark as stating: “If natural immunity is strongly protective, as the evidence to date suggests it is, then vaccinating people who have had covid-19 would seem to offer nothing or very little to benefit, logically leaving only harms--both the harms we already know about as well as those still unknown.” I fully agree.

### CONCLUSION

In my expert medical opinion, the *mandatory* administration of COVID-19 vaccines creates an unethical, unreasonable, and clinically unjustified risk. Likewise, in my opinion, the *mandatory* administration of COVID-19 vaccines in employees does not prevent transmission among the vaccinated in the workplace and does not improve workplace safety. The use of other preventive measures--particularly testing--is far more effective and far less intrusive to patient autonomy and the right to personal safety. Finally, forcing healthcare workers to undergo vaccination as a condition of employment will likely result in a decrease of the healthcare workforce by death, disability, and attrition, which is far more threatening to patients and the public at large.

I declare and affirm under penalty of perjury that the foregoing is true and correct this 15th day of November, 2021.

Peter A. McCullough, MD, MPH  
Peter A. McCullough, MD, MPH (Nov 15, 2021 08:33 CST)  
Dr. Peter A. McCullough, M.D., M.P.H.



# VAERS COVID Vaccine Adverse Event Reports

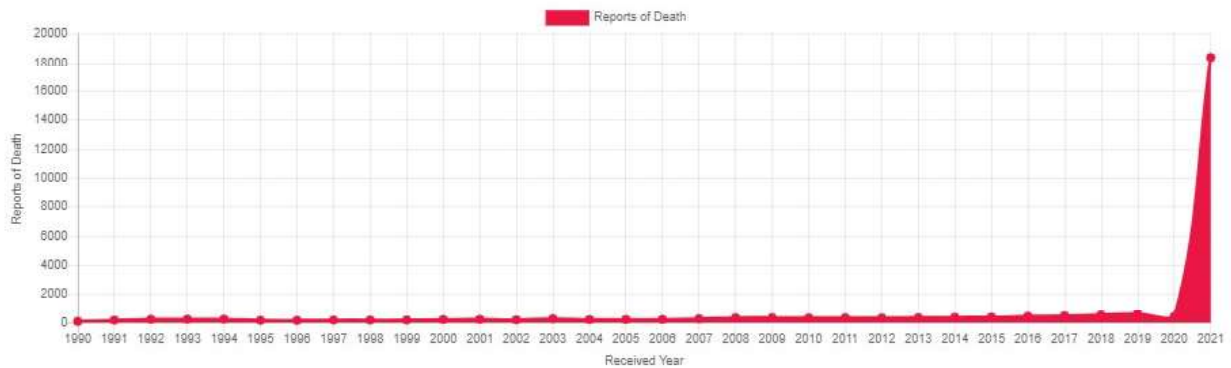
Reports from the Vaccine Adverse Events Reporting System. Our default data reflects all VAERS data including the "nondomestic" reports.

All VAERS COVID Reports  US/Territories/Unknown

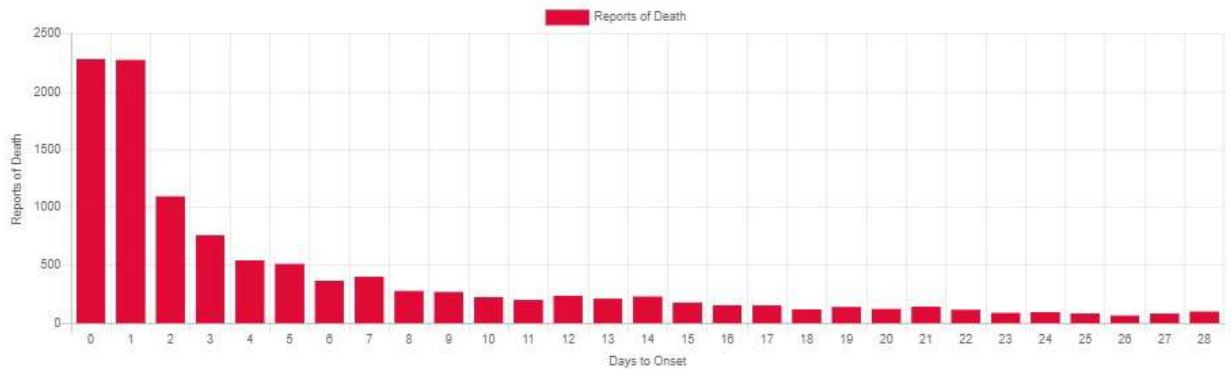
856,917 Reports  
Through October 29, 2021



All Deaths Reported to VAERS by Year



VAERS COVID Vaccine Reports of Deaths by Days to Onset-All Ages



Tuesday, October 6, 2021

**CURRICULUM VITAE**

**PETER A. McCULLOUGH, MD, MPH, FACC, FCCP, FAHA, FNKF, FNLA, FCRSA**

Business

HeartPlace  
3409 Worth Street, #500  
Dallas TX 75246  
Desk: 214-841-2000  
Cell: 248-444-6905  
e-mail: [PeterAMcCullough@gmail.com](mailto:PeterAMcCullough@gmail.com)

Home

5231 Richard Avenue  
Dallas, TX 75206

Birth date

December 29, 1962

Birthplace

Buffalo, NY, USA

**EDUCATION**

- 1) Certificate of Graduate Liberal Arts Studies: Southern Methodist University, December 17, 2016, principal faculty Dr. Anthony Picchioni, PhD, Adjunct Professor in Human Development, P.O. Box 750181, Dallas, TX 75275, 214-768-3417, [www.smu.edu](http://www.smu.edu)
  - Graduated with Honor
- 2) Master of Public Health: University of Michigan School of Public Health, August 19, 1994, Dean Noreen M. Clark, PhD, 109 Observatory Street, Ann Arbor, MI 48109-2029, phone 734-764-5454, [www.sph.umich.edu](http://www.sph.umich.edu)
  - Major: General Epidemiology
- 3) Doctor of Medicine: University of Texas Southwestern Medical School, June 4, 1988, Dean Bryan M. Williams, MD, 5323 Harry Hines Boulevard, Dallas, TX 75235-9070, 214-648-3111, <http://www.utsouthwestern.edu/education/medical-school/>
  - Clinical year rank of 1 in 199, overall rank in class of 12 in 199
  - Alpha Omega Alpha Texas Gamma Chapter, installed March 17, 1988
- 4) Bachelor of Science: Baylor University, May 18, 1984, Chancellor Abner McCall, PhD, Office of the Registrar, Waco, TX 76798-7056, 254-710-1181, <http://www.baylor.edu/>
  - Double-major: Biology and Psychology
  - Graduated with Honor, degree rank of 29 in 131, university rank of 127 in 1,152

Peter A. McCullough, M.D., M.P.H.

- Alpha Lambda Delta Freshman Honorary, installed March 19, 1981

## POSTGRADUATE TRAINING

- 1) Cardiovascular Diseases Fellowship: William Beaumont Hospital (WBH) (presently Oakland University William Beaumont School of Medicine), Division of Cardiology, 3601 W. Thirteen Mile Rd, Royal Oak, MI 48073, 248-551-4198, 7-1-94 to 6-30-97, Chief Cardiovascular Fellow for 1996-97, William W. O'Neill, MD, Program Director and Division Chief
- 2) Internal Medicine Residency: University of Washington School of Medicine, Department of Internal Medicine, 1959 NE Pacific, Seattle, WA 98195, (206) 543-3239, 3-year traditional track, 7-1-88 to 6-30-91, James F. Wallace, MD, Program Director, Paul G. Ramsey, MD, Chairman of Medicine

## PROFESSIONAL EXPERIENCE

HeartPlace, 3409 Worth Street, Suite 500, Dallas TX 75246, March 1, 2021.

Positions Held: 1) Attending Physician

Baylor Scott and White Health, Baylor Health Care System, Baylor University Medical Center (BUMC), Baylor Heart and Vascular Institute, Baylor Jack and Jane Hamilton Heart and Vascular Hospital, Dallas TX, Texas A & M University College of Medicine, Department of Medicine, Division of Cardiology, Baylor Heart and Vascular Institute, 621 N. Hall St., #H030, Dallas, TX 75226, February 3, 2014 to February 25, 2021. Cardiovascular Governance Council, Kevin Wheelan, MD, Cardiology Division Chief and Chief Medical Officer, Heart Institute Office (214) 820-7500

Positions Previously Held:

- 1) Professor in the Principal Faculty, Non-Tenure Track in the Department of Internal Medicine, Texas A & M University Health Sciences Center (2016-2021)
- 2) Chief of Cardiovascular Research (2014-2021)
- 3) Program Director, BUMC Cardiovascular Diseases Fellowship Program (2014-2021)
- 4) Vice Chief, BUMC Internal Medicine (2016-2021)

St. John Providence Health System, Providence Park Heart Institute, Department of Medicine, Cardiology Section, 47601 Grand River Avenue, Suite B-125, Novi, MI 48374, September 1, 2010 to July 19, 2013. Department of Medicine Chair, Anibal Drelichman, MD: 248-849-3152, Cardiology Section Chief: Shukri David, MD, 248-465-5955

Positions Previously Held:

**Peter A. McCullough, M.D., M.P.H.**

- 1) Chief Academic and Scientific Officer (Academic Dean Equivalent), St. John Providence Health System, (2010 to 2013)
- 2) Medical Director, Clinical Lipidology, Department of Medicine, Cardiology Section (2010 to 2013)

William Beaumont Hospital, Department of Internal Medicine, Divisions of Nutrition and Preventive Medicine, Department of Cardiology, 3601 West Thirteen Mile Road, Royal Oak, MI 48073, October 1, 2002 to 2010. Department of Medicine Chair: Michael A. Maddens, M.D., 248-551-0622, Department of Cardiology Chair: David E. Haines, M.D., 248-858-0404

Oakland University William Beaumont School of Medicine, 472 O'Dowd Hall 2200 N. Squirrel, Rochester, MI 48309, Robert Folberg, MD, Medical School Dean, Kenneth Hightower, PhD, Dean of Allied Health Sciences, 248-370-3562. Clinical Professor of Health Sciences and Medicine (2007 to 2010)

Positions Previously Held:

- 1) Consultant Cardiologist and Chief, Division of Nutrition and Preventive Medicine (2002 to 2010), Department of Internal Medicine
- 2) Medical Director, Preventive Cardiology (2002 to 2010)
- 3) Medical Director, Lipid Apheresis Program (2007 to 2010)
- 4) Medical Director, Weight Control Center (2002-2005)

University of Missouri-Kansas City (UMKC) School of Medicine, Truman Medical Center, Department of Medicine, Cardiology Section, 2301 Holmes St., Kansas City, MO 64108. August 18, 2000-September 30, 2002. Department of Medicine Chair: George R. Reisz, M.D, 816-556-3450

Positions Previously Held:

- 1) Associate Professor of Medicine (Tenure Track) and Cardiology Section Chief (2000-2002)

Henry Ford Health System (HFHS), Henry Ford Heart and Vascular Institute, 2799 W. Grand Blvd., K-14, Detroit, MI 48202, July 1, 1997 to August 16, 2000. Cardiovascular Division Head: W. Douglas Weaver, M.D, 800-653-6568

Positions Previously Held:

- 1) Assistant Professor of Medicine (Tenure Track), Case Western Reserve University School of Medicine, and HFHVI Senior Staff Cardiologist Medical Director, Preventive Cardiology, 1999-2000
- 2) Program Director, Cardiovascular Diseases Fellowship Training Program, 1999-2000
- 3) Director of Cardiovascular Informatics Section, 1997-2000
- 4) Associate Director of the Center for Clinical Effectiveness, 1997-99

**Peter A. McCullough, M.D., M.P.H.**

5) Associate Director of the Cardiovascular Diseases Fellowship Program, 1998-99

Emergency Physicians Medical Group, PC, 2000 Green Road, Suite 300, Ann Arbor, MI 48105, 800-466-3764. Emergency medicine attending at Mission Health McPherson Hospital, Howell, 1991-1997; Oakwood Beyer Hospital Center, Ypsilanti 1991-1997, and Mercy Hospital, Grayling 1991-1992

Positions Previously Held:

- 1) Associate Member
- 2) Washtenaw County Human Services Deputy Medical Examiner, 1995-1996

Mercy Internal Medicine Associates, 308 Michigan Avenue, Grayling, MI 49738, Mercy Hospital-Grayling, 1100 Michigan Avenue, Grayling, MI 49738, 517-348-5461. Internal medicine attending at Mercy Hospital, Grayling, MI, 1991-1992

Positions Previously Held:

- 1) Coronary Care Unit Director
- 2) Physician Director of Cardiopulmonary Services

**SPECIAL TRAINING**

- 1) The Healthcare Forum Cardiovascular Health Fellowship, 1998-99
- 2) American Heart Association (AHA), 23<sup>rd</sup> 10-Day U.S. Seminar on the Epidemiology and Prevention of Cardiovascular Disease, July-August, 1997
- 3) University of Michigan Summer Session in Epidemiology, 1997-99
- 4) Stanford University Course on Medical Informatics, Palo Alto, CA, June, 1997
- 5) Current Practice of Vascular Ultrasound 3-Day Course, Chicago, IL, April, 1997
- 6) Advanced Pacemaker Concepts Course, CPI, Inc., Lansing, MI, 1995
- 7) Pacesetter Comprehensive Pacemaker 4-Day Course, Santa Fe, NM, 1997
- 8) Medtronic Bakken Education Tutorial and Medtronic Applied Physiological Research Laboratory Lead Implantation Training and Biventricular Implantation Training (2 sessions), Minneapolis, MN, 2001-2002
- 9) 2004 ASCeXAM Review Course, American Society of Echocardiography, San Francisco, CA, April 22-24, 2004
- 10) National Lipid Association Masters Course in Clinical Lipidology, Hilton Head, SC, August 21-23, 2008

**CERTIFICATION AND LICENSURE**

- 1) Licensed in the State of Washington 1988-1997 (#MD00027562), Michigan expires January 31, 2022 (#4301058147), and New York 1992 to present (#189283 inactive status), Missouri 2000-2002 (#2000165365 inactive status) and Texas expires May 31, 2022 (#P9222)

**Peter A. McCullough, M.D., M.P.H.**

- 2) FLEX passed April 4, 1990, State of Washington, Department of Health, Board of Medical Examiners
- 3) Diplomate, American Board of Internal Medicine, Candidate #136084, September, 25, 1991, recertified May 1, 2001, recertified June 10, 2011, recertified April 6, 2021, valid through 2031, 510 Walnut Street, Suite 1700, Philadelphia, PA 19106-3699
- 4) Diplomate, American Board of Internal Medicine, Cardiovascular Diseases Subspecialty, Candidate #136084, November, 1997, valid through 2007, recertified October 1, 2007, valid through 2017, recertified September 28, 2017, valid through 2027, 510 Walnut Street, Suite 1700, Philadelphia, PA 19106-3699
- 5) Diplomate, American Board of Clinical Lipidology, September 27, 2008, 6816 Southpoint Parkway, Suite 1000, Jacksonville, FL 32216. Fellow, National Lipid Association
- 6) National Board of Echocardiography (NBE), Examination of Special Competence in Adult Echocardiography, 2004-2014 expired
- 7) Diplomate, American Board of Forensic Examiners, July 16, 1996, no expiration date

**RECOGNITION**

Teaching:

1. Henry Ford Hospital, 1999 Chief Medical Resident's Best Teacher Award

Research:

1. Chest Foundation Young Investigator Award 2001, Philadelphia, PA, November 7, 2001, President's International Awards Ceremony
2. National Kidney Foundation (NKF) of Michigan, Innovations in Health Care Award Finalist 2008, East Lansing, MI, April 17, 2008
3. American College of Cardiology (ACC) Simon Dack Award for Scholarly Excellence by the Journal of the American College of Cardiology, March 5, 2009
4. 11<sup>th</sup> International Vicenza Award in Critical Care Nephrology, International Renal Research Institute, Vicenza, Italy, June 11, 2013

Postgraduate:

1. Founding Fellow, Cardiorenal Society of America, March 2016
2. Fellow, National Lipid Association, January, 2013
3. Fellow, National Kidney Foundation, January, 2012
4. Fellow, American College of Chest Physicians, February, 2001
5. Fellow, American College of Physicians, January, 2001 to September, 2021
6. Fellow, American College of Cardiology, February, 1999

**AFFILIATIONS**

- 1) Alpha Omega Alpha, National Honor Medical Society, 1988 to present

**Peter A. McCullough, M.D., M.P.H.**

- 2) American College of Emergency Physicians, Member, 1992-1994
- 3) American College of Forensic Examiners, Member 1996 to present
- 4) AHA, Council on Epidemiology and Prevention, 1995 to present
- 5) AHA, Grassroots Network, 1998-2000.
- 6) Central Society for Clinical Research, Member, 1999-2000
- 7) Council on Geriatric Cardiology, Member 1996-1997
- 8) Michigan Chapter of the ACC, Chair, Annual Cardiology Board Review, 1999-2000
- 9) Michigan State Medical Society, Member, 1997-2000, 2004 to 2009
- 10) The American Medical Informatics Association, 1997-2000
- 11) The Health Forum, Charter Cardiovascular Health Charter Alumni Representative, 1998 to 2002
- 12) Cardiorenal Society of America, Founding Executive Board Member, 2013 to present, Vice President 2014-2016, President 2016 to present
- 13) Dallas County Medical Society, 2014 to present
- 14) Texas Medical Association, 2014 to present
- 15) Baylor Alumni Association, 2015 to present
- 16) New York Academy of Sciences, 2016 to present
- 17) Truth for Health Foundation, Founding Executive Board Member, Chief Medical Advisor, 2021 to present

**EDITORIAL RESPONSIBILITIES**

- 1) *Advances in Chronic Kidney Disease*, Editorial Board Member, 2003-present. [referenced through Elsevier Bibliographic Database, EMBASE/Excerpta Medica, MEDLINE]
- 2) *American Journal of Cardiology*, Associate Editor, 2014 to present
- 3) *American Journal of Kidney Disease*, [referenced through Elsevier Bibliographic Database, EMBASE/Excerpta Medica, MEDLINE] Associate Editor, 2006 to 2019, Guest Editor, 2011, 2012
- 4) *Arquivos Brasileiros de Cardiologia*, International Editorial Board, 2006 to present
- 5) *Biocritique*, Editorial Board, 2001 to 2013, [www.biocritique.com](http://www.biocritique.com)
- 6) *Blood Purification*, Editorial Board 2018 to present
- 7) *Cardiovascular Clinician*, Editorial Board, 2011 to 2013, internet site, [CARDIOVASCULARClinician.com](http://CARDIOVASCULARClinician.com)<sup>TM</sup>
- 8) *Cardiovascular Diagnosis and Therapy (CDT)*, Editorial Board (Print ISSN: 2223-3652; Online ISSN: 2223-3660, 2012 to present
- 9) *Cardiovascular Innovations and Applications (CVIA)*, Editorial Board 2015 to present
- 10) *Cardiorenal Medicine*, Associate Editor, 2016-2017, Editor-in-Chief 2018 to 2021
- 11) *Circulation*, Editorial Board, 2016 to present
- 12) *Circulation Heart Failure*, Editorial Board, 2008 to present, Associate Editor, 2008 to 2016, Guest Editor 2010, 2011, 2012
- 13) *Clinical Exercise Physiology*, Clinical Consultant to the Editorial Board, 1998-2002.
- 14) *Cochrane Renal Group Module*, 2008, Editorial Contributor, Centre for Kidney Research, The Children's Hospital at Westmead, Westmead NSW, Australia

**Peter A. McCullough, M.D., M.P.H.**

- 15) *Expert Review of Cardiovascular Therapy*, Editorial Advisory Panel, 2002 to present, [www.future-drugs.com](http://www.future-drugs.com)
- 16) *Journal of the American College of Cardiology*, Editorial Consultant, 2003-present. "Elite Reviewer" Recognition, 2004, 2005, 2006, 2007, 2008, 2011, 2014, 2016 (DeMaria AN. The elite reviewer. *J Am Coll Cardiol* 2003;41(1):157-8.)
- 17) *Journal of Geriatric Cardiology*, Editorial Board Member, 2003-present. The Institute of Geriatric Cardiology, Chinese PLA Hospital, Beijing. [Joint China-U.S.A. publication]
- 18) *Journal of Biorepository Science for Applied Medicine*, Honorary Editorial Board, 2012 to 2018
- 19) *Journal of Clinical & Experimental Cardiology*, OMICS Publishing Group, Open Access, CrossRef, PubMed, DOAJ, Index Copernicus, Scientific Commons, EBSCO, 2010 to 2017
- 20) *Journal of Diabetes & Metabolism*, OMICS Publishing Group, Open Access, 2010 to 2017
- 21) *Journal of Interventional Cardiology*, "News and Views", Section Editor, 2000-2003. Editorial Board Member, 2003 to present
- 22) *Journal of Nephrology and Therapeutics*, Editorial Board, OMICS Publishing Group, Editorial Board, 2010 to 2017
- 23) *Reviews in Cardiovascular Medicine*, MedReviews, LLC, [www.medreviews.com](http://www.medreviews.com) "Cardiorenal Function," Section Editor, 2001-2002, Associate Editor, 2003-2009, Co-Editor, 2009 to present
- 24) *The American College of Cardiology Foundation ACCEL Audio Journal*, Editorial Board 2008 to present
- 25) *The Open Atherosclerosis & Thrombosis Journal*, [referenced through Bentham Open, PubMed, Google and Google Scholar] Editorial Board, 2008 to 2012
- 26) *The Open Heart Failure Journal*, [referenced through Bentham Open, PubMed, Google and Google Scholar] Editorial Board, 2008 to 2010
- 27) *Therapy*, [referenced through Elsevier Bibliographic Database, EMBASE/Excerpta Medica, MEDLINE], Editorial Board, 2008 to 2010

**Manuscript Reviewer**

- 1) *Advances in Chronic Kidney Disease*, 2004 to present (18)
- 2) *Advances in Medical Sciences*, 2012 to present (2)
- 3) *Advances in Therapy*, 2008 to present (1).
- 4) *American Family Physician*, 2004 to present (2)
- 5) *American Journal of Cardiovascular Drugs*, 2002 to present. (2)
- 6) *American Heart Journal (AHJ)*, 1998 to present (22)
- 7) *American Journal of Cardiology (AJC)*, 1999 to present (60)
- 8) *American Journal of Human Biology*, 2014 to present (1)
- 9) *American Journal of Hypertension*, 2011 to present (1)
- 10) *American Journal of Kidney Diseases (AJKD)*, 2002 to present (30)
- 11) *American Journal of Medicine (AJM)*, 1997 to present (7)
- 12) *American Journal of the Medical Sciences (AJMS)*, 2006 to present (3)
- 13) *American Journal of Nephrology*, 2004 to present (24)
- 14) *American Journal of Physiology: Renal Physiology*, 2006 to present (2)



**Peter A. McCullough, M.D., M.P.H.**

- 15) *American Journal of Transplantation*, 2004 to present (1)
- 16) *Annals of Epidemiology*, 2004 to present (1)
- 17) *Annals of Internal Medicine*, 2008 to present (3)
- 18) *Annals of Noninvasive Electrocardiology*, 2009 to present (1)
- 19) *Antimicrobial Agents and Chemotherapy*, 2020 to present (1)
- 20) *Archives of Internal Medicine*, 2004 to present (2)
- 21) *Archives of Pathology and Laboratory Medicine*, 2007 to present (1)
- 22) *Arteriosclerosis, Thrombosis, and Vascular Biology*, 2010 to present (2)
- 23) *Autonomic Neuroscience: Basic and Clinical*, 2007 to present (1)
- 24) *BUMC Proceedings*, 2012 to present (3)
- 25) *Biochemia Medica*, 2012 to present (1)
- 26) *Biomed Central (BMC) Medical Imaging*, 2010 to present (1)
- 27) *Blood Purification*, 2010 to present (2)
- 28) *BMC Medicine*, 2007 to present (1)
- 29) *BMC Nephrology*, 2011 to present (1)
- 30) *BMJ Clinical Evidence*, 2008 to present (1)
- 31) *British Medical Journal (BMJ)*, 2009 to present (1)
- 32) *Canadian Medical Association Journal (CMAJ)*, 2006 to present (3)
- 33) *Cardiac Failure Review*, 2015 to present (1)
- 34) *Cardiology*, 2007 to present (1)
- 35) *Cardiorenal Medicine*; 2013 to present (10)
- 36) *Cardiovascular Innovations and Applications*, 2016 to present (1)
- 37) *Cardiovascular Therapeutics*, 2010 to present (1)
- 38) *Catheterization and Cardiovascular Interventions*, 2000 to present (6)
- 39) *Chest*, 2000 to present (6)
- 40) *Circulation*, 1998 to present (100)
- 41) *Circulation Cardiovascular Interventions*, 2012 to present (1)
- 42) *Circulation Cardiovascular Quality and Outcomes*, 2010 to present (1)
- 43) *Circulation Heart Failure*, 2009 to present (4)
- 44) *Circulation Imaging*, 2012 to present (1)
- 45) *Cleveland Clinic Journal of Medicine*, 2008 to present (1)
- 46) *Clinica Chimica Acta*, 2013 (1)
- 47) *Clinical Cardiology*, 2001 (3)
- 48) *Clinical Chemistry and Laboratory Medicine*, 2010 to present (2)
- 49) *Clinical Exercise Physiology*, 2000-2002 (4)
- 50) *Clinical Journal of the American Society of Nephrology* 2008 to present (3)
- 51) *Clinical Kidney Journal*, 2012 to present (1)
- 52) *Clinical Medicine and Research*, 2008 to present (1)
- 53) *Clinical Nephrology*, 2008 to present (2)
- 54) *Clinical Physiology and Functional Imaging*, 2010 to present (1)
- 55) *Clinical Researcher*, 2002 to present (1)
- 56) *Clinics*, 2010 to present (1)
- 57) *Cochrane Collaboration*, 2009 to present (2)
- 58) *Congestive Heart Failure*, 2005 to present (4)

**Peter A. McCullough, M.D., M.P.H.**

- 59) *Coronary Artery Disease*, 2005 to present (1)
- 60) *Critical Care Medicine*, 2008 to present (2)
- 61) *Current Medical Research and Opinion*, 2005 to present (1)
- 62) *Diabetes Care*, 2011 to present (2)
- 63) *Diabetes and Vascular Disease Research*, 2011 to present (1)
- 64) *Diabetes, Obesity, and Metabolism*, 2019 to present (1)
- 65) *Diabetic Medicine*, 2008 to present (1)
- 66) *Drug Benefit Trends*, 1999 (1)
- 67) *Drugs*, 2000 (2)
- 68) *European Heart Journal*, 1995 (12)
- 69) *European Journal of Cardiovascular Prevention and Rehabilitation*, 2006 (1)
- 70) *European Journal of Heart Failure*, 2012 (4)
- 71) *Expert Opinion on Pharmacotherapy*, 2003 to present (3)
- 72) *Expert Opinion Therapeutic Patents*, 2004 to present (1)
- 73) *Expert Review of Cardiovascular Therapy*, 2008 to present (2)
- 74) *Global Heart*, 2012 (1)
- 75) *Heart*, 2004 (2)
- 76) *Heart and Vessels*, 2007 (2)
- 77) *Hemodialysis International* 2013 (2)
- 78) *Internal Medicine Journal (Australasia)*, 2009 to present (1)
  
- 79) *International Journal of Infectious Diseases* 2020 to present (2)
- 80) *International Journal of Nephrology*, 2010 to present (2)
- 81) *Journal of Biomarkers*, 2013 (1)
- 82) *Journal of Geriatric Cardiology*, 2017 (1)
- 83) *International Journal of Infectious Diseases*, 2021 to present (3)
- 84) *Journal of Internal Medicine*, 2009 to present (1)
- 85) *Journal of Interventional Cardiology (JIC)*, 1996 to present (9)
- 86) *Journal of the American College of Cardiology (JACC)*, 1998 to present (228)
- 87) *Journal of the American College of Cardiology: Heart Failure (JACC Heart Fail)*, 2014 to present (12)
- 88) *Journal of the American College of Cardiology: Imaging (JACC Imag)*, 2014 to present (6)
- 89) *Journal of the American College of Cardiology: Interventions (JACC Interv)*, 2010 to present (10)
- 90) *Journal of the American Medical Association (JAMA)*, 2002 to present (60)
- 91) *Journal of the American Medical Association Cardiology (JAMA Cardiology)*, 2016 to present (20)
- 92) *Journal of the American Society of Echocardiography (JASE)*, 2009 to present (1)
- 93) *Journal of the American Society of Nephrology (JASN)* 2005 to present (14)
- 94) *Journal of Cardiac Failure*, 2003 to present (10)
- 95) *Journal of Clinical Outcomes Management*, 2011 to present (1)
- 96) *Journal of Critical Care*, 2011, to present (1)
- 97) *Journal of General Internal Medicine*, 2008 to present (1)
- 98) *Journal of Human Hypertension*, 2010 to present (1)

**Peter A. McCullough, M.D., M.P.H.**

- 99) *Journal of Inherited Metabolic Disease*, 2014 to present (2)
- 100) *Journal of Lipid Research*, 2010 to present (1)
- 101) *Journal of Managed Care*, 2004 to present (1)
- 102) *Journal of Physiology and Pathophysiology*, 2009 to present (1)
- 103) *Kidney and High Blood Pressure Research*, 2008 to present (1)
- 104) *Kidney International*, 2004 to present (8)
- 105) *Medical Science Monitor*, 2008 to present (1)
- 106) *Medicine & Science in Sports and Exercise*, 2005 to present (3)
- 107) *Nature Clinical Practice Cardiovascular Medicine*, 2004 to present (4)
- 108) *Nature Clinical Practice Nephrology*, 2008 to present (1)
- 109) *Nature Reviews Nephrology*, 2009 to present (3)
- 110) *Nephron*, 2005 to present (1)
- 111) *Nephrology*, 2009 to present (1)
- 112) *Nephrology, Dialysis, and Transplantation*, 2005 to present (7)
- 113) *New England Journal of Medicine*, 2006 to present (8)
- 114) *Pharmacological Research (Italy)*, 1999 (1)
- 115) *Pharmaceutical Sciences*, 2011 (1)
- 116) *PLoS Medicine*, 2005 (1)
- 117) *PLOS ONE*, 2013 (1)
- 118) *Prehospital Emergency Care*, 2015 (1)
- 119) *Preventive Medicine*, 2008 (1)
- 120) *Rejuvenation Research*, 2007 (1)
- 121) *Renal Failure*, 2011 (2)
- 122) *The Lancet*, 1999 to present (11)
- 123) *The Lancet Diabetes*, 2013 to present (5)
- 124) *The Lancet Global Health*, 2015 to present (2)

**Major Meeting Abstract Grader**

- 1) ACC Scientific Sessions 2001 to present (10)
- 2) ACC I2 Summit, 2006 to present (2)
- 3) American Diabetes Association, 2008 to present (13)
- 4) AHA Scientific Sessions, 1997 to present (8)
- 5) American Medical Informatics Association, Annual Symposium, 1998-2001 (3)
- 6) International Academy of Cardiology World Congress on Heart Disease, Academy of Cardiology Annual Scientific Sessions—Mechanisms and Management, 2002-present (3)
- 7) Transcatheter Therapeutics (TCT), 2004 (1)

**Grant Reviewer**

- 1. National Medical Research Council, Singapore, 2003-2004
- 2. National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases, Special Emphasis Panel/Initial Review Group 2006/01 ZDK1 GRB-9, 2005

**Peter A. McCullough, M.D., M.P.H.**

3. National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases, Special Emphasis Review Group, 1 R01 DK070033-01A2, 2006
4. National Institutes of Health, National Heart Lung and Blood Institute, Study Section, ZHL1 CSR-H (M1), March 6-7, 2006, Heart Failure Network
5. Diabetes UK, The British Diabetic Association, Macleod House, 10 Parkway, London NW1 7AA. December 24, 2008
6. National Institutes of Health National Institute of Diabetes and Digestive and Kidney Diseases, Special Review Panel, Chronic Renal Insufficiency Cohort Study (CRIC) and A Prospective Cohort Study of Kidney Disease in Children (CKiD) Study, February 23-25, 2012, March 6, 2013
7. National Institutes of Health National Institute of Diabetes and Digestive and Kidney Diseases, Special Review Panel, ZDK1 GRB-7 (O3)S in response to PAR-DK-09-247: Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the NIDDK (R01), July 11, 2012
8. Alberta Innovates Health Solutions Collaborative Research & Innovation Opportunities (CRIO) Grant Review, September, 2012
9. Health Research Board of Ireland, Health Research Awards, 2013
10. National Institutes of Health National Institute of Diabetes and Digestive and Kidney Diseases 2017/01 ZRG1 DKUS-R (55) Study Section 2016

**Guidelines Reviewer**

1. Kidney Disease Improving Global Outcome (KDIGO) Guidelines Review
  - a. Prevention, Diagnosis, Evaluation and Treatment of Hepatitis C in Chronic Kidney Disease, Published April, 2008
  - b. Diagnosis, Evaluation, Prevention and Treatment of Chronic Kidney Disease related Mineral and Bone Disorders (CKD-MBD), Published August, 2009
  - c. Acute Kidney Injury (AKI), published March, 2012

**CLINICAL TRIAL AND STUDY RESPONSIBILITIES**

**Overall Study Responsibilities: Steering and Executive Committees**

- 1) Study Principal Investigator, Medicine vs Angiography for Thrombolytic Exclusion Patients (M.A.T.E.), 1994-1997, (multicenter, U.S., randomized controlled trial [RCT]). Status: closed.
- 2) Study Principal Investigator, The Resource Utilization Among Congestive Heart Failure Study (R.E.A.C.H.), 1998-2000, (single-center, prospective cohort study). Status: closed.
- 3) Study Principal Investigator, The Asthma, Beta-Agonists, and Congestive Heart Failure Study (A.B.C.H.F.), 1998-1999, (single-center, case-control study). Status: closed.

**Peter A. McCullough, M.D., M.P.H.**

- 4) Study Co-Principal Investigator, The Prevention of Radiocontrast Induced Nephropathy Clinical Evaluation (P.R.I.N.C.E.) Study, 1995-1998, (single-center, RCT). Status: closed.
- 5) Study Co-Principal Investigator, BNP Multinational Study, Principal Investigator, Alan Maisel, MD, Biosite Diagnostics, Inc., 2000-2006, (multicenter, international, prospective cohort study). Status: closed.
- 6) Study Co-Investigator, Prophylactic Oral Amiodarone Compared to Placebo for Prevention of Atrial Fibrillation Following Coronary Artery Bypass Graft Surgery (P.A.P.A.C.A.B.G.), 1996-1998, (single-center, RCT). Status: closed.
- 7) Study Co-Investigator, Rapid Early Bedside Markers of Myocardial Injury, 1998-1999, HFHS and Biosite Diagnostics, Inc. (prospective cohort study). Status: closed.
- 8) Member, Steering Committee, Clinical Study Protocol No. 2000-025: A Phase IIIb, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Determine the Safety, Efficacy, and Tolerability of Fenoldopam Mesylate in Subjects Undergoing Interventional Cardiology Procedures (CONTRAST), William W. O'Neill, MD and Gregg Stone, MD, Co-Principal Investigators, Abbott Laboratories, Inc., 2000-2003 (multicenter, US, RCT). Status: closed.
- 9) Chair, National Steering Committee, Kidney Early Evaluation Program (KEEP) NKF, Member 2000-2005, Co-Chair 2005-2010, Chair 2010-present (multicenter, U.S., prospective cohort study). Annual budget ~\$1,325,198 (2009), ~\$1,233,832 (2010), ~\$1,614,953.00 (2011), ~\$989,500 (2012), ~\$1,217,000 (2013). Status: inactive.
- 10) Member, Steering Committee, Protocol No. 704.351 Evaluation of Synergy between Natrekor and Furosemide on Renal and Neurohormone Responses in Chronic Heart Failure: A Phase IV Study, Scios Inc., 2003-2005 (multicenter, U.S., randomized cross-over trial). Status: closed.
- 11) Member, Steering Committee, Protocol No. CCIB002FUS12. A Multicenter, Double-blind, Randomized, Parallel Group Study to Evaluate the Effects of Lotrel and Lotensin HCT on Microalbuminuria in Mild to Moderate Hypertensive Subjects with Type 2 Diabetes Mellitus, Novartis Pharmaceuticals, Inc., 2003-2006. Status: closed.
- 12) Rotating Executive Committee Principal Investigator Member, NIH HF-ACTION Trial (Exercise Training Program to Improve Clinical Outcomes in Individuals With Congestive Heart Failure), HL63747 01A2, 2006-2009. Principal Investigator, David Whellan, MD, status: closed.

**Peter A. McCullough, M.D., M.P.H.**

- 13) Overall Study Principal Investigator, Neutrophil Gelatinase-Associated Lipocalin: A Novel Blood Marker for Risk of Developing Contrast Induced Nephropathy (ENCINO), multicenter, prospective, blinded cohort study, 2006-2009, status: closed.
- 14) Member, Steering Committee, VA NEPHRON-D: Diabetes iN Nephropathy Study, 2008 to 2013, trial stopped early for safety cardiovascular and acute kidney safety concerns in angiotensin converting enzyme inhibitor plus losartan arm, status: closed.
- 15) Member, External Expert Panel, National Institutes of Health, National Institute of Digestive and Diabetes and Kidney Diseases, Chronic Renal Insufficiency Cohort Study, status open, 2010 to present.
- 16) Member, Optimal Medical Management Subcommittee, National Institutes of Health, National Heart Lung and Blood Institute, International Study of Comparative Health Effectiveness with Medical and Invasive Approaches (ISCHEMIA), status: open, 2011 to present.
- 17) Member, Steering Committee, National Institutes of Health, National Heart Lung and Blood Institute, International Study of Comparative Health Effectiveness with Medical and Invasive Approaches (ISCHEMIA) in patients with Chronic Kidney Disease (ISCHEMIA-CKD), status: open, 2012 to present.
- 18) Member, Steering Committee, Thrasos Innovation, Inc, A Phase II Multi-Center, Parallel-Group, Randomized, Double Blind, Proof-of-Concept, Adaptive Study Investigating the Safety and Efficacy of THR-184 Administered via Intravenous Infusion in Patients at Increased Risk of Developing Cardiac Surgery Associated-Acute Kidney Injury (CSA-AKI), status: closed, 2012 to 2015.
- 19) Overall Principal Investigator, AbbVie, Inc, Clinical Study Protocol M13-796, A Phase 2b, Randomized, Double-Blind, Placebo-Controlled, Safety and Efficacy Trial of Multiple Dosing Regimens of ABT-719 for the Prevention of Acute Kidney Injury in Subjects Undergoing High Risk Cardiac Surgery, status: closed, 2013 to 2014.
- 20) Overall Principal Investigator, Bioporto, Inc, The NGAL Test™ As An Aid in the risk assessment for AKI stage II and III in an Intensive Care Population, status: open 2017 to present.
- 21) Member, Global Expert Panel, Novo Nordisk, Inc, A Research Study to See How Semaglutide Works Compared to Placebo in People With Type 2 Diabetes and Chronic Kidney Disease (FLOW), status: open.

**Overall Study Responsibilities: Endpoint Committees**

**Peter A. McCullough, M.D., M.P.H.**

- 1) Member, Critical Endpoints Committee, Treat Angina with Aggrastat and Determine Cost of Therapy with an Invasive or Conservative Strategy, TACTICS-TIMI 18 (Protocol 019-00), 1998-2000, (multicenter, international, RCT). Status: closed
- 2) Member, Study Endpoints Committee, A Phase II, Escalation Trial of Vasoflux™ in Patients Undergoing Thrombolysis with Streptokinase for Acute Myocardial Infarction, Protocol CLN-P-V18-07001, Parexel International Corporation, 1998, (multicenter, international, RCT). Status: closed
- 3) Member, Safety Endpoint Evaluation Committee, A Phase III, Single-Blind Controlled Study to Evaluate the Clinical Effects of a Hemoglobin-based Oxygen Carrier (HBOC-210) Given as a Transfusion Alternative in Patients Undergoing Orthopedic Surgery. (Protocol HEM-0115), Biopure Corporation with Quintiles, Inc., Clinical Event and Adjudication Services, 2000-2001. (multicenter, international, RCT). Status: closed
- 4) Member, Critical Endpoints Committee, Cerivastatin Heart Outcomes in Renal Disease: Understanding Survival (C.H.O.R.U.S.), Barry Brenner, MD and William F. Keane, MD, Co-Principal Investigators, Bayer Inc., 2000-2003 (multicenter, international, RCT). Status: study terminated early due to drug withdrawal from market
- 5) Member, Clinical Events Classification Committee, Correction of Hemoglobin and Outcomes in Renal Insufficiency (CHOIR), Ajay Singh, MD, Donal Reddan, MBBS, Principal Investigators, Ortho Biotech Inc., 2001-2004 (multicenter, international, RCT). Status: closed
- 6) Member, Critical Endpoint Committee, A Randomised, Double-blind, Parallel Group, Phase 3, Efficacy and Safety Study of AZD6140 (Ticagrelor) Compared with Clopidogrel for Prevention of Vascular Events in Patients with Non-ST or ST Elevation Acute Coronary Syndromes (ACS) [PLATO – A Study of PLATelet inhibition and Patient Outcomes.], AstraZeneca, Inc., Duke Clinical Research Institute, 2008, status: closed
- 7) Chair, Clinical Endpoints Committee, Alere San Diego, Inc, Alere Prospective Blinded Study of a Novel Troponin Assay (PEARL), status: closed 2015
- 8) Chair, Adjudication Committee, Myeloperoxidase In the Diagnosis of Acute coronary Syndromes (MIDAS) study, Alere, Inc., status: closed 2012
- 9) Independent Endpoint Adjudicator, BioPorto Diagnostics, The NGAL test as an aid for the Diagnosis of AKI in an Intensive Care Population, Code of the Study: KLIN 12-005, status closed, 2015
- 10) Independent Endpoint Adjudicator, Ischemix, Inc., Safety and Efficacy of CMX-2043 for Protection of the Heart and Kidneys in Subjects Undergoing Coronary Angiography (CARIN), status: closed 2016

Peter A. McCullough, M.D., M.P.H.

- 11) Chair, Data Adjudication Committee, Estimating versus Measuring Plasma Volume and Kidney Function in Acute Decompensated Congestive Heart Failure, Eudra-CT Number 2018-002638-18, Sponsor: Charite-Universitätsmedizin Berlin, FAST Biomedical, Inc, 2018-present

**Overall Study Responsibilities: Data Safety Monitoring Committees**

- 1) Member, External Advisory Committee/Data Safety Monitoring Board, National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases, Polycystic Kidney Disease (PKD) Clinical Trials Network HALT-PKD Trial, Robert Schrier, MD, Principal Investigator, Committee Chair: William Henrich, MD, 2004-2008, Data Safety Monitoring Board, status: closed 2014
- 2) Chairman, Data Safety Monitoring Committee, Clinical Trials Program CS0011-A-U301, Daiichi Sankyo Pharma Development (DSPD) CS-011, Seven Core Trials of Rivoglitazone in Type 2 Diabetes: 1) A 26-week placebo-controlled trial of 1.0 and 1.5 mg rivoglitazone vs. 45 mg pioglitazone, as monotherapy in type 2 diabetics (CS0011-A-U301); 2) A 26-week placebo-controlled trial of 0.5, 1.0 and 1.5 mg rivoglitazone vs. 15, 30 and 45 mg pioglitazone, as monotherapy in type 2 diabetics (CS0011-A-U302); 3) A 26-week placebo-controlled trial of 1.0 and 1.5 mg rivoglitazone vs. 45 mg pioglitazone, in type 2 diabetics on metformin therapy, followed by a 26-week pioglitazone-controlled continuation period (CS0011-A-U303); 4) A 26-week placebo-controlled trial of 0.5 and 1.0 mg rivoglitazone vs. 30 mg pioglitazone, in type 2 diabetics on sulfonylureas therapy, followed by a 26-week pioglitazone-controlled continuation period (CS0011-A-U304); 5) A 26-week placebo-controlled trial of 0.5 and 1.0 mg rivoglitazone vs. 15 mg pioglitazone in type 2 diabetics on insulin therapy (CS0011-A-U305); 6) A long-term (12-24 months) randomized, general efficacy and safety study of rivoglitazone vs. pioglitazone, as monotherapy or add-on therapy, in type 2 diabetics (CS0011-A-U306); 7) A 26-week placebo-controlled trial of rivoglitazone and metformin, in type 2 diabetics (CS0011-A-U307), USFDA Special Protocol Assessment Agreement granted, status: closed, 2009 trials program terminated
- 3) Member, Data Safety Monitoring Committee, A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate Cardiovascular Outcomes Following Treatment with Alogliptin in Addition to Standard of Care in Subjects with Type 2 Diabetes and Acute Coronary Syndrome SYR322\_402, EXAMINE Trial Takeda Global Research and Development Center, Inc. (US) Takeda Global Research and Development Centre, Ltd. (Europe), status: 2009 trial stopped early for non-inferiority but futility on superiority outcome
- 4) Chair, Data Safety Monitoring Committee, Protocol D9120C00019, A randomised, double-blind, placebo controlled, multi-centre phase IIb dose finding study to assess the effect on GERD symptoms, safety and tolerability during four weeks treatment with AZD3355 in doses 60 mg, 120 mg, 180 mg and 240 mg bid as add-on treatment to a PPI in patients with GERD that are partial responders to PPI treatment, AstraZeneca, status: closed 2009, trials program terminated for safety



**Peter A. McCullough, M.D., M.P.H.**

- 5) Member, Data Safety Monitoring Committee, Protocols: AMAG-FER-IDA-301, A Phase III, Randomized, Double-Blind, Placebo-Controlled Trial of Ferumoxytol for the Treatment of Iron Deficiency Anemia, Protocol: AMAG-FER-IDA-302, A Phase III, Randomized, Open-Label, Active Controlled Trial Comparing Ferumoxytol with Iron Sucrose for the Treatment of Iron Deficiency Anemia, Protocol: AMAG-FER-IDA-303, A Phase III, Open-Label Extension, Trial of the Safety and Efficacy of Ferumoxytol for the Episodic Treatment of Iron Deficiency Anemia, AMAG Pharmaceuticals, Inc., status: closed 2010, trial completed in 2013 without safety concerns
- 6) Chair, Independent Data Monitoring Committee, Protocol 402-C-0903 Bardoxolone Methyl Evaluation in Patients with Chronic Kidney Disease and Type 2 Diabetes: the Occurrence of Renal Events (BEACON), Reata Pharmaceuticals, Inc., status: trial stopped in 2012 early for cardiovascular and mortality safety concerns
- 7) Member, Independent Safety Council, Affymax Inc and Takeda Pharmaceutical Co., Omontys (peginesatide), status: closed, post-marketing surveillance led to voluntary drug withdrawal from market in 2013 for serious and fatal allergic reactions
- 8) Chair, Independent Data Monitoring Committee, AbbVie, Inc, Clinical Study Protocol M11-352 A Randomized, Multicountry, Multicenter, Double Blind, Parallel, Placebo-Controlled Study of the Effects of Atrasentan on Renal Outcomes in Subjects with Type 2 Diabetes and Nephropathy SONAR: Study Of Diabetic Nephropathy with Atrasentan, status closed 2018
- 9) Chair, Independent Data Monitoring Committee, AbbVie, Inc., Clinical Study Protocol M13-958 A Phase 2b, Randomized, Double-Blind, Placebo-Controlled, Safety and Efficacy Trial of Multiple Dosing Regimens of ABT-719 for the Prevention of Acute Kidney Injury in Subjects Undergoing High Risk Major Surgery, status: closed 2015
- 10) Member, Data Monitoring Committee, Akebia Therapeutics, Inc., AKB-6548-CI-0007, Phase 2b Randomized, Double-Blind, Placebo-Controlled Study to Assess the Pharmacodynamic Response, Safety, and Tolerability to 20 Weeks of Oral Dosing of AKB-6548 in Subjects with Anemia Secondary to Chronic Kidney Disease (CKD), GFR Categories G3a-G5 (Stages 3, 4, and 5) (Pre-Dialysis), status: closed 2015
- 11) Member, Study Monitoring Team, Akebia Therapeutics, Inc., AKB-6548-CI-0011, Phase 2a Open-Label Study to Assess the Efficacy, Safety, and Tolerability of AKB-6548 in Subjects with Anemia Secondary to End Stage Renal Disease (ESRD), Undergoing Chronic Hemodialysis, status: closed 2016
- 12) Member, Data Monitoring Committee, Merck, Inc., Pfizer, Inc, Clinical Trials Program, Ertugliflozin (MK-8835/PF-04971729) Phase 2 and Phase 3 Development Program, status closed, 2012 to 2020

**Peter A. McCullough, M.D., M.P.H.**

- 13) Member, Steering Committee, Medtronic, Inc., Monitoring in Dialysis, status: closed 2016
- 14) Member, Data Safety and Monitoring Board, St. Jude Medical, EnligHTN IV Multi-center, randomized, single-blind, sham controlled clinical investigation of renal denervation for uncontrolled hypertension, status: 2013 trial terminated before recruitment started
- 15) Chair, Data Safety Monitoring Board, Neumedicines, Inc., A Phase 2, Single-Dose, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of HemaMax™ (rHuL-12) in Healthy Subjects, status: closed 2016
- 16) Chair, Data Safety Monitoring Board, Reata Pharmaceuticals, Inc., A Phase 2 Study of the Safety, Efficacy, and Pharmacodynamics of RTA 408 in the Treatment of Friedreich's Ataxia, 2014 to 2019, status: closed
- 17) Chair, Data Safety Monitoring Board, Reata Pharmaceuticals, Inc., A Phase 2 Study of the Safety, Efficacy, and Pharmacodynamics of RTA 408 in the Treatment of Mitochondrial Myopathy, 2015 to 2019, status: closed
- 18) Member, Patient Safety Review Committee, Reata Pharmaceuticals, Inc, A dose-ranging study of the efficacy and safety of Bardoxolone Methyl in patients with pulmonary arterial hypertension (402-C-1302), 2014 to 2018, status: closed
- 19) Chair, Data Safety Monitoring Board, Reata Pharmaceuticals, Inc., A Study of the Efficacy and Safety of Bardoxolone Methyl in Patients with Connective Tissue Disease-Associated Pulmonary Arterial Hypertension (CATALYST), 2016 to present, status: closed
- 20) Chair, Data Safety Monitoring Board, Reata Pharmaceuticals, Inc., A Phase 2/3 of Efficacy and Safety of Bardoxolone Methyl in Patients with Alport Syndrome (CARDINAL), 2017 to present, status: closed
- 21) Chair, Data Safety Monitoring Board, Sanfit, Inc., A double-blind, randomised, placebo-controlled study to assess the effect of SNF472 on progression of cardiovascular calcification on top of standard of care in end-stage-renal-disease (ESRD) patients on haemodialysis (HD) SNFCT2015-05, 2017 to 2019, status: closed
- 22) Chair, Data Monitoring Committee, Renew Research, KAI Research, A Randomized Pivotal Study of Renew™ NCP-5 for the Treatment of Mild Cognitive Impairment due to Alzheimer's Disease or Mild Dementia of the Alzheimer's Type, 2018 to present, status: closed
- 23) Chair, Data Safety Monitoring Committee, Sanofi, Inc, Multicenter, randomized, double-blind, placebo-controlled two stage study to characterize the efficacy, safety, tolerability and pharmacokinetics of GZ/SAR402671 in patients at risk of rapidly progressive Autosomal

**Peter A. McCullough, M.D., M.P.H.**

Dominant Polycystic Kidney Disease (ADPKD) STUDY NUMBER: EFC15392 STUDY NAME: SAVE-PKD COMPOUND: GZ/SAR402671, 2018 to present, status: open

- 24) Chair, Data Safety Monitoring Board, National Institutes of Health, National Heart, Lung and Blood Institute R34 NHLBI Clinical Trial Pilot Studies (R34) Reducing Arrhythmia in Dialysis by Adjusting the Rx Electrolytes/Ultrafiltration (RADAR), David Charytan, MD, PI, 2019 to present, status: open
- 25) Chair, Data Safety Monitoring Board, GZ402671 EFC15392 Multicenter, randomized, double-blind, placebo-controlled two stage study to characterize the efficacy, safety, tolerability and pharmacokinetics of GZ/SAR402671 in patients at risk of rapidly progressive Autosomal Dominant Polycystic Kidney Disease (ADPKD), Sanofi, status: open
- 26) Chair, Data Safety Monitoring Board, MEDI3506, Trials Portfolio, D9182C00001 A Phase 2 Randomized, Double-blinded, Placebo-controlled Study to Evaluate the Efficacy and Safety of MEDI3506 in Adult Subjects with Moderate-to-severe Atopic Dermatitis; D9181C00001 A Phase II, Randomised, Double-blind, Placebo-controlled Study to Assess the Efficacy and Safety of MEDI3506 in Adult Participants with Uncontrolled Moderate-to-severe Asthma; D9180C00002 A Phase II, Randomized, Double-blind, Placebo-controlled Study to Assess the Efficacy, Safety and Tolerability of MEDI3506 in Participants with Moderate to Severe Chronic Obstructive Pulmonary Disease and Chronic Bronchitis (FRONTIER 4); D9183C00001 A Phase 2b Randomized, Double-blind, Placebo-controlled, Study to Evaluate the Efficacy and Safety of MEDI3506 in Subjects with Diabetic Kidney Disease, Axio Inc, A Cytel Company, status: open

## GRANT AWARDS

### Original Research Grants

- G1) London JF (PI), Bis KG, Juni JE, Wilke N, DiCarli MF, Shetty AN, **McCullough PA**, Timmis GC. Magnetic Resonance vs. Positron Emission Tomography for the Detection of Myocardial Viability. Bracco Diagnostics Inc./SCA&I Grant, \$25,000 (WBH RC-453), 1997-98. Additional WBH Research Institute Mini-grant, \$5,000 (WBH Grant #RC-748). Level of involvement: author of the variable definitions, endpoints, and data analysis sections, 0% FTE. Status: closed 1998
- G2) **McCullough PA** (PI), Shah S, Noor H, Marks KR, McCabe KB, Zong L, McCord J, Khoury N, Ulcickas-Yood M, Ward RE. Diagnostic Accuracy of an Emergency Department Clinical Decision Unit in the Evaluation of Chest Pain. HFHS Small Projects Fund \$10,000 (HFHS Grant #A30785), 0% FTE. Status: closed 1997
- G3) Keteyian SJ (Co-PI), **McCullough PA** (Co-PI), Brawner CA, Rosman HS, Stein P, Weaver WD. A Prospective Study of Case Identification and Triage of Patients Eligible for Cardiac

**Peter A. McCullough, M.D., M.P.H.**

Rehabilitation. Merck & Co., U.S. Human Health, \$30,000 (HFHS Grant #E18037), 3% FTE. Status: closed 1998

- G4) **McCullough PA.** Novel Methods for Identifying High-Risk Patients for Subsequent Cardiovascular Events. Merck & Co., U.S. Human Health, \$20,000 (HFHS Grant #M1060), 0% FTE. Status: closed 1998
- G5) **McCullough PA.** Cardiovascular Informatics Development Award. Pfizer, Inc., \$10,000 (HFHS Grant #E60022), 0% FTE. Status: closed 1998
- G6) **McCullough PA,** Yee J, Soman S, Sallach J, Borzak S, Foreback C, Monaghan K, Tisdale JE, Bailey E, Bola P, Chase G, Marks KR, Weaver WD. A Prospective Dose-Ranging Trial of Folic Acid to Reduce Total Homocyst(e)ine Levels in Patients with End-Stage Renal Disease Undergoing Hemodialysis. HFHS Project Development Fund \$10,000 (HFHS Grant #A20003), 0% FTE. Status: closed 1999
- G7) **McCullough PA.** NuStep Recumbent Cross Trainer Product Development Pilot Study, NuStep, Inc., (single center, prospective pilot study), \$12,500.00, (WBH Grant #RC- 08-94847). Status: closed 2005
- G8) **McCullough PA,** Secondary Analyses from the PRINCE Trial, (single center data analysis), \$20,000, PLC Medical, Inc., (WBH #RC 08-94851) Status: closed 2005
- G9) **McCullough PA,** Sullivan RA. A Systematic Review of Vascular Calcification in Patients with Chronic Kidney Disease and End-Stage Renal Disease, 2002-2003, Braintree Labs, Inc., \$40,000, 25% FTE (WBH Grant #RC 08-94833) Status: closed 2003
- G10) Pasas SA, Davies MI, **McCullough PA.** Determination of Protein-bound Homocysteine in Human Plasma using Capillary Electrophoresis with Electrochemical Detection in Patients with Chronic Kidney Disease, 2003-2004, AHA Predoctoral Fellowship Program (Pasas), \$38,000, 15% FTE (UMKC Grant #). Status: closed 2003
- G11) Collins AC, Gladstone E, Robitscher JW, **McCullough PA,** Klag M, Narva A, Gilberston D for the NKF. Demonstration project: state-based screening for chronic kidney disease. Response to CDC-RFA-DP06-004, demonstration project for identifying individuals at high-risk for CKD in the US. Centers for Disease Control, \$1,199,609, 12% FTE Status: closed 2007
- G12) **McCullough PA,** Principal Investigator. Neutrophil Gelatinase-Associated Lipocalin (NGAL): A Novel Blood Marker for Risk of Developing Contrast-Induced Nephropathy (ENCINO). Biosite/Inovise, Inc., \$229,000.00 (WBH #RC-94862), 0% FTE Status: closed 2009
- G13) Agrawal V, Barnes M, **McCullough PA.** Evaluation of CKD awareness in medical residents. WBH intramural mini-grant R/C# 98662, \$10,000.00, 0% FTE Status: closed 2008

**Peter A. McCullough, M.D., M.P.H.**

- G14) **McCullough PA**, overall Principal Investigator transferred to Zalesin K. FDA Investigational New Drug Exemption (INDE) #060672. A Prospective, Randomized, Placebo-Controlled, Parallel-Group, Pilot Trial of Paricalcitol in the Treatment of Hyperparathyroidism in Patients after Roux-en-Y Gastric Bypass Surgery with Chronic Kidney Disease, Abbott Laboratories, Inc., \$496,600.00 (WBH #RC-90290), 0% FTE Status: closed 2009
- G15) **McCullough PA**, overall Principal Investigator transferred to Miller WM, FDA INDE #107750. Investigator Initiated Study. A Prospective, Double-Blind, Randomized, Parallel Group, Placebo-Controlled Trial of Aliskiren versus Placebo in Non-Diabetic, Normotensive Obese Patients with Microalbuminuria, Novartis, Inc., \$339,400.00 (WBH #RC-90345), Status: closed 2010
- G16) **McCullough PA**, overall Principal Investigator. Investigator Initiated Study, FDA Investigational New Drug (IND) #74707. A Phase 2, randomized, double-blind, placebo-controlled trial, to assess the efficacy and safety of deferiprone in the reduction of markers of contrast-induced acute oxidative kidney injury. Cormedix, Inc, \$857,745 (includes \$101,442 for Beaumont Research Coordinating Center). Study centers included Providence Hospital and Medical Center Southfield, St. John Hospital and Medical Center, Detroit, Northern Michigan Hospitals, Petoskey, MI, St. Vincent's Hospital, Indianapolis, IN, Fairfield Cardiac Cath Labs, LLC, Fairfield, OH, Oklahoma Heart Hospital, Oklahoma City, OK, Ohio Health Research Institute, Columbus, OH, Mercy St. Vincent Hospital, Toledo, OH, Status: closed 2011
- G17) **McCullough PA**, overall study Principal Investigator, A Prospective Randomized Parallel-Group Controlled Trial of Multiple Blood Biomarkers in the Personalized Management of Chronic Heart Failure, Baylor IRB 014-252, Baylor Foundation, 2014, \$78,639.20, status: closed 2016.
- G18) **McCullough PA**, overall study Principal Investigator, Baylor Hypertrophic Cardiomyopathy Program Development Project: Time-resolved, 3D phase contrast magnetic resonance imaging (MRI) (4D Flow) and Advanced Strain Rate Echocardiography in Patients with Hypertrophic Cardiomyopathy, Baylor IRB 014-175, Baylor Foundation, 2014, \$100,000.00, status: open
- G19) **McCullough PA**, overall study Principal Investigator, Preventive Cardiology Registry: Role of Proprotein Convertase Subtilisin/kexin type 9 (PCSK9) and Other Catabolic Determinants in Hypercholesterolemia in Patients with Suspected Heterozygous Familial Hypercholesterolemia Baylor IRB 014-122, Baylor Foundation, \$3,100.00, status: closed 2014
- G20) **McCullough PA**, overall study Principal Investigator and Study Chairman, Investigator Initiated Trial, "A Prospective, Double-blind, Placebo Controlled, Parallel Group,

**Peter A. McCullough, M.D., M.P.H.**

Randomized Trial of Extended Release Exenatide versus Placebo in Diabetic Patients with Type 4 Cardiorenal Syndrome: EXTEND-CRS”, D5551L00004/ISSEXEN0013, FDA IND 123200, Baylor IRB 014-149, AstraZeneca, 2014, \$1,597,901.93, status: open

- G21) **McCullough PA**, overall study Principal Investigator, Iso-osmolar Contrast and the Timing of Coronary Angiography in the Multivariate Risk for Cardiac Surgery Associated with Acute Kidney Injury and Major Adverse Renal and Cardiac Events (MARCE), Baylor IRB 014-096, GE Healthcare, Inc, 2015, \$145,885.00, status open
- G22) **McCullough PA**, overall study Principal Investigator, Timing of coronary angiography and multivariate risk for cardiac surgery associated acute kidney injury and major adverse renal and cardiac events (MARCE), Baylor IRB 014-096, Baylor Foundation, \$8,100.00, status: closed 2016
- G23) Mendez J, **McCullough PA**, et al, co-investigator, Assessment of Multiple Blood Biomarkers in Patients with Advanced Heart Failure Undergoing Evaluation for Cardiac Transplantation and Mechanical Circulatory Support, Baylor IRB 014-300, Critical Diagnostics, Inc, \$10,400.00, status: closed 2016
- G24) Bottiglieri, T, **McCullough PA**, et al, co-investigator, Urinary 11dhTxB2 response to acetylsalicylic acid (aspirin) in cardiovascular disease progression and adverse outcomes, Baylor IRB 008-230, Corgenix, Inc., \$99,087.00, status: closed 2016
- G25) Schussler JM, Vasudevan A, **McCullough PA**, co-investigator, Clinical outcomes and metabolomic and damage associated molecular patterns of acute kidney injury in patients undergoing percutaneous coronary intervention via the radial versus femoral artery approach, Baylor IRB 014-299, Baylor Health Care System Foundation, \$61,416.00, status: closed 2018
- G26) Tecson K, **McCullough PA**, coinvestigator, Contribution of Chronic Kidney Disease and Acute Kidney Injury to Heart Failure Outcomes, Baylor IRB 015-296, Baylor Health Care System Foundation, \$43,424.60, status: open
- G27) Vasudevan A, **McCullough PA**, coinvestigator, Burden of Cardiovascular Events Follow Percutaneous Coronary Intervention, Baylor IRB 015-297, Baylor Health Care System Foundation, \$40,000.00, status: closed 2018
- G28) Tecson, K, **McCullough PA**, Therapeutic Intensity of Lipid Lowering Therapy in Response to Recurrent Cardiovascular Events, Baylor IRB 017-106, Amgen, Inc., \$249,990.00 status: open
- G29) **McCullough PA**, Principal Investigator, A Case Finding Study of Familial Chylomicronemia, Akcea Pharmaceuticals, \$10,000.00, status: closed 2017

Peter A. McCullough, M.D., M.P.H.

- G30) **McCullough PA**, Bottiglieri T, Tecson K. Baylor Foundation \$49,923.80. Identifying metabolomic profiles among genetically confirmed familial hypercholesterolemia, dyslipidemia without familial hypercholesterolemia, and healthy controls, status start-up 2019

#### Site Principal Investigator Contracts

- G1) Jafri S, **McCullough PA**, and the WATCH Investigators. Warfarin and Antiplatelet Therapy in Chronic Heart Failure, (W.A.T.C.H.) Field Center, Veterans Administration Cooperative Studies Program and Sanofi Pharmaceuticals, \$36,000.00 (HFHS Grant #B51008) status: closed 2000
- G2) Jafri S, **McCullough PA**, and the CHARM Investigators. Candesartan Cilexetil (Candesartan) in Heart Failure Assessment of Reduction in Mortality and Morbidity (C.H.A.R.M.) Field Center, 1999-2000, Astra Pharmaceuticals, \$56,000.00 (HFHS Grant #E09045) status: closed 2000
- G3) Schuger C, **McCullough PA**, and the MADIT Investigators. Multicenter Automatic Defibrillator Implantation Trial II (M.A.D.I.T.-II), Guidant Corporation/Cardiac Pacemakers (CPI), \$96,000 (HFHS Grant #G10087) status: closed 2000
- G4) Schuger C, **McCullough PA**, and the MIRACLE Investigators. Multicenter InSync Randomized Clinical Evaluation (M.I.R.A.C.L.E.), Medtronic Inc., \$195,000, (HFHS Grant #G12006) status: closed 2000
- G5) **McCullough PA**, Shetty A, Soman S and the CHORUS Investigators. Cerivastatin Heart Outcomes in Renal Disease: Understanding Survival (C.H.O.R.U.S.), Barry Brenner, MD and William F. Keane, MD, Co-Principal Investigators, Bayer Inc., 2000-2003 (RCT), Clinical Site Contract, Bayer Pharmaceuticals, \$266,875.00 10% FTE (HFHS Grant #E05046) status: closed 2000
- G6) **McCullough PA**, Manley HJ and the CHORUS Investigators. Cerivastatin Heart Outcomes in Renal Disease: Understanding Survival (C.H.O.R.U.S.), Barry Brenner, MD and William F. Keane, MD, Co-Principal Investigators, Bayer Inc., 2000-2003 (RCT), Clinical Site Contract, Bayer Pharmaceuticals, \$279,000 10% FTE (UMKC Grant #E05046) status: closed 2001
- G7) Nowak R, McCord J, **McCullough PA** and the BNP Investigators. Breathing Not Properly Study (B.N.P. Multinational Study), Alan Maisel, MD, and Peter A. McCullough, MD, MPH, Co-Principal Investigators, Biosite Diagnostics, Inc., (prospective cohort study) Field Center Contract, Biosite Diagnostics, Inc., \$180,000.00 (HFHS Site), \$500,000.00, 0% FTE (HFHS Grant #E03005) status: closed 2001

**Peter A. McCullough, M.D., M.P.H.**

- G8) Ehrman JK, **McCullough PA**. A Prospective Randomized Trial of a Personal Health Assistant in the Secondary Prevention of Heart Disease. Merck, Inc., \$220,961.00, 7% FTE (HFHS Grant #E41010) status: closed 2002
- G9) **McCullough PA** and the CORC Investigators. Kansas City Cardiomyopathy Questionnaire Interpretability Study, John A. Spertus, MD, MPH, Principal Investigator, Cardiovascular Outcomes Research Consortium (C.O.R.C.), 2001 (multicenter, U.S., prospective cohort study), \$21,400.00, status: closed 2002
- G10) **McCullough PA**, Rutherford BD, and the OAT Investigators. Occluded Artery Trial, Judith Hochman, MD, and Gervasio Lamas, MD, Co-Principal Investigators, National Institutes of Health, National Heart Lung and Blood Institute, \$54,000.00. 0% FTE (UMKC Grant #K531122) status: closed 2002
- G11) **McCullough PA** site Principal Investigator and National Executive Committee Member. Rapid Emergency Department Heart Failure Outpatient Trial, Biosite Diagnostics, \$21,000. 0% FTE (UMKC Grant #K531130) status: closed 2002
- G12) **McCullough PA** site Principal Investigator. African-American Heart Failure Trial (AHEFT). A Placebo-Controlled Trial of BiDil added to Standard Therapy in African American Patients with Heart Failure, NitroMed, Inc., \$20,000.00 (UMKC Proposal #9722, TMC Grant #261231) status: closed 2002
- G13) **McCullough PA** and the IMAGING Investigators for Cardiology Clinical Studies, LLC. Investigation of Myocardial Gated SPECT Imaging as Initial Strategy in Heart Failure: The IMAGING in Heart Failure Trial, Dupont Pharmaceuticals Inc., \$20,000.00 (UMKC Proposal #9825, UMKC Grant #KG001278) status: closed 2002
- G14) **McCullough PA**, site Principal Investigator, and Ad Hoc Executive Committee Member. Heart Failure and a Controlled Trial Investigating Outcomes of Exercise Training. National Institutes of Health, National Heart, Lung, and Blood Institute, subcontracted through the Duke Clinical Research Institute, \$665,000, (NIH Grant #1 U01 HL63747 01A2, WBH Grant # RC 08-94837, Site #301) status: closed 2005
- G15) **McCullough PA**, site Principal Investigator, and Executive Committee Member. Protocol No. 704.351 Evaluation of Synergy between Natrekor and Furosemide on Renal and Neurohormone Responses in Chronic Heart Failure: A Phase IV Study, Scios Inc., 2003 (multicenter, U.S., randomized cross-over trial), \$105,447.50, (WBH Grant # RC 08-94836) status: closed 2005
- G16) **McCullough PA**, site Principal Investigator and National Co-Principal Investigator. Protocol No. CCIB002FUS12. A Multicenter, Double-blind, Randomized, Parallel Group Study to Evaluate the Effects of Lotrel and Lotensin HCT on Microalbuminuria in Mild to



**Peter A. McCullough, M.D., M.P.H.**

Moderate Hypertensive Subjects with Type 2 Diabetes Mellitus, Novartis Inc., (multicenter, U.S., randomized trial), \$63,649.90, (WBH Grant #RC 08-94838) status: closed 2006

- G17) **McCullough PA**, and the ACCOMPLISH Investigators. Protocol No. CCIB002.12301. Avoiding Cardiovascular Events through Combination Therapy in Patients Living with Systolic Hypertension, Novartis, Inc., 2003 (multicenter, multinational, randomized trial) \$159,241.00, (WBH Grant #RC 08-94844) status: closed 2006
- G18) **McCullough PA**, site Principal Investigator. Efficacy of Vasopressin Antagonism in Heart Failure: Outcome Study with Tolvaptan, Protocol #156-03-236, IND #50,533, Otsuka Maryland Research Institute, (multicenter, international, randomized trial), \$210,750.00, (WBH Grant #RC 08-94842 changed to #RC 08-94849) status: closed 2005
- G19) **McCullough PA**, site Principal Investigator. A Multicenter, Double-Blind, Randomized, Parallel Group, 6-week Study to Evaluate the Efficacy and Safety of Ezetimibe/Simvastatin Combination versus Atorvastatin in Patients with Hypercholesterolemia, Protocol #051/EZT544, Merck, Inc., (multicenter, U.S., randomized trial), \$18,840.00, (WBH Grant #RC 08-94843) status: closed 2006
- G20) **McCullough PA**, site Principal Investigator, A multicenter, double-blind randomized, parallel-group study to compare the effect of 24 weeks treatment with LAF237 (50 mg qd or bid) to placebo as add-on therapy in patients with type 2 diabetes inadequately controlled with metformin monotherapy. Novartis Pharmaceuticals, Inc., (multicenter, U.S., randomized trial), \$30,700.00, (WBH Grant #RC 08-94845) status: closed 2007
- G21) **McCullough PA**, site Principal Investigator. A multicenter, double-blind randomized, parallel-group study to compare the effect of 24 weeks treatment with LAF237 (50 mg qd or bid) to placebo as add-on therapy to pioglitazone 45 mg qd in patients with type 2 diabetes inadequately controlled with thiazolidinediones monotherapy. Novartis Pharmaceuticals, Inc., (multicenter, U.S., phase III randomized trial) \$30,700.00, (WBH Grant #RC 08-94846) status: closed 2006
- G22) **McCullough PA**, site Principal Investigator. An 8-week, randomized, double-blind, parallel group, multicenter placebo and active controlled disease escalation study to evaluate the safety and efficacy of aliskiren in patients with hypertension, \$47,100.00 (WBH #RC 08- 94852) status: closed 2007
- G23) **McCullough PA**, site Principal Investigator. A randomized, double-blind study to compare the durability of glucose lowering and preservation of pancreatic beta-cell function of rosiglitazone monotherapy compared to metformin or glyburide/glibenclamide in patients with drug naïve, recently diagnosed type 2 diabetes, \$140,100.00, Novartis Pharmaceuticals (WBH #RC 08-94849) status: closed 2008

**Peter A. McCullough, M.D., M.P.H.**

- G24) **McCullough PA**, site Principal Investigator. A multicenter, randomized, double-blind factorial study of the co-administration of MK-0431 and metformin in patients with type 2 diabetes who have inadequate glycemic control, \$36,735.00, Merck Research Laboratories (WBH #RC 08-94853) status: closed 2008
- G25) **McCullough PA**, site Principal Investigator. Multicenter, Randomized, Double-Blind Study to Evaluate the Efficacy & Safety of Ezetimibe/Simvastatin and Niacin Co-Administered in Patients with type IIa or Type IIb Hyperlipidemia, \$46,960.00, Merck Research Laboratories, MRK-091, (WBH #RC 08-94854) status: closed 2008
- G26) **McCullough PA**, site Principal Investigator. A Multi-Center, Randomized, Double-Blind, factorial Design study to evaluate the lipid-altering efficacy & safety of MK-0524B Combination Tablet in Patients with Primary Hypercholesterolemia or Mixed Hyperlipidemia \$40,849.00, Merck Research Laboratories, MRK-022. (WBH #RC 08-94855) status: closed 2007
- G27) **McCullough PA**, site investigator. An 8-week, multicenter, randomized, double-blind, parallel-group study to evaluate the efficacy and safety of the combination of valsartan/HCTZ/amlodipine compared to valsartan/HCTZ, valsartan/amlodipine, and HCTZ/amlodipine in patients with moderate to severe hypertension, \$43,500.00, Novartis Pharmaceuticals (WBH #RC 08-94857) status: closed 2007
- G28) **McCullough PA**, site Principal Investigator. A multicenter randomized, double-blind parallel arm, 6-week study to evaluate the efficacy and safety of ezetimibe/simvastatin versus atorvastatin in patients with metabolic syndrome and hypercholesterolemia at high risk for coronary heart disease, \$32,010.00. Merck Research Laboratories (WBH #RC 08-94861) status: closed 2008
- G29) **McCullough PA**, site Principal Investigator. A multicenter, randomized, double-blind study to evaluate the safety and efficacy of the initial therapy with coadministration of sitagliptin and pioglitazone in patients with type 2 diabetes mellitus, \$24,036.00, Merck Research Laboratories, MRK-064 (WBH #RC 08-94860) status: closed 2008
- G30) Dixon, SD, site PI, **McCullough PA**, Multinational Executive Committee. RENAL GUARD Pilot Trial. PLC Medical Systems, \$37,610.00 (WBH #RC- 90771) status: closed 2008
- G31) **McCullough, PA**, site Principal Investigator, A multi-center, randomized, double-blind, placebo and active controlled, parallel group, dose range study to evaluate the efficacy and safety of LCZ696 comparatively to valsartan, and to evaluate AHU377 to placebo after 8-week treatment in patients with essential hypertension. Novartis, Inc., \$31,965.28. (WBH #RC-94863) status: closed 2008
- G32) **McCullough PA**, site Principal Investigator. Paricalcitol capsules benefits in renal failure induced cardiac morbidity in subjects with chronic kidney disease stage 3b/4,

**Peter A. McCullough, M.D., M.P.H.**

(PRIMO Abbott Laboratories, ABT-M-10-030, \$157,992.00, (WBH #RC-94864) status: closed 2008

- G33) **McCullough PA**, site Principal Investigator. A randomized, double-blind, parallel group study to evaluate the effects of high-dose statin therapy on fluorodeoxyglucose (FDG) uptake in arteries of patients with atherosclerotic vascular disease. Merck Research Laboratories, MRK-081, \$86,994.00 (WBH #RC 08-90223) status: closed 2008
- G34) **McCullough PA**, site Principal Investigator. Patient registry for the Liposorber LA-15 system. Kaneka, Inc., \$7,515.00, (WBH #RC-90877) status: closed 2009
- G35) **McCullough PA**, site Principal Investigator. A 30-week multicenter, randomized, double-blind. Parallel-group study of the combination of ABT-335 and Rosuvastatin compared to rosuvastatin monotherapy in dyslipidemic subjects with stage 3 chronic kidney disease, Abbott M10-313, \$128,544.00, (WBH #RC-90212) status: closed 2009
- G36) **McCullough PA**, site Principal Investigator. A multicenter, randomized open label, active-comparator controlled study to assess the efficacy, safety, and tolerability of taspoglutide compared to exenatide in patients with type 2 diabetes mellitus inadequately controlled with metformin, thiazolidinedione, or a combination of both, Roche BC 21625, \$72,012.50, (WBC #RC-90245) status: closed 2010
- G37) **McCullough PA**, site Principal Investigator. A multicenter, randomized double-blind, placebo-controlled study to assess the efficacy, safety, and tolerability of taspoglutide compared to placebo in obese patients with type 2 diabetes mellitus inadequately controlled with metformin monotherapy, Roche BC 22092, \$38,387.50, (WBH #RC-90258) status: closed 2009
- G38) **McCullough PA**, site Principal Investigator. A safety and efficacy trial evaluating the use of apixaban for the extended treatment of deep vein thrombosis and pulmonary embolism, Bristol Myers Squibb-Pfizer CV185057, \$173,750.00, (WBH #RC-90288) status: closed 2009
- G39) **McCullough PA**, site Principal Investigator. A phase 3, active (warfarin) controlled, randomized, double-blind, parallel arm study to evaluate efficacy and safety of apixaban in preventing stroke and systemic embolism in subjects with nonvalvular atrial fibrillation, Bristol Myers Squibb-Pfizer CV1805030, \$173,750.00, (WBH #RC-90275) status: 2009
- G40) **McCullough PA**, site Principal Investigator. Treatment of Preserved Cardiac Function Heart Failure with an Aldosterone Antagonist Trial (TOPCAT), National Institutes of Health, National Heart, Lung, and Blood Institute, subcontracted through the New England Research Institutes, Inc., \$86,250.00, (WBH #RC-90267) status: closed 2010

**Peter A. McCullough, M.D., M.P.H.**

- G41) **McCullough PA**, site Principal Investigator. An 8-week, randomized, double-blind, parallel group, multicenter, forced titration study to evaluate the efficacy and safety of aliskiren plus HCTZ versus aliskiren monotherapy in metabolic syndrome patients with stage 2 hypertension, Novartis, Inc., \$107,362.44 (WBH #RC-90277) status: closed 2009
- G42) **McCullough PA**, site Principal Investigator, Astute SAPPHIRE AST-111, Evaluation of Novel Biomarkers from Acutely Ill Patients at Risk for Acute Kidney Injury, Astute Medical, Inc, San Diego, CA, \$23,195.50 status: closed 2012
- G43) **McCullough PA**, site Principal Investigator, protocol number 156-10-292 titled "An Observational Prospective Registry to Identify Demographic and Clinical Characteristics of Patients Hospitalized with Euvolemic and Hypervolemic Hyponatremia and Assess the Comparative Effectiveness of Available Treatments and the Impact on Resource Utilization. Otsuka Inc., \$21,262.60 status: initial contract fulfilled, reopened under extension and registry completed in 2013
- G44) **McCullough PA**, site Principal Investigator, PROspective Multicenter Imaging Study for Evaluation of Chest Pain (PROMISE) Study, National Heart, Lung, and Blood Institute (NHLBI), Pamela Douglas, MD, Principal Investigator Clinical Coordinating Center, Duke Clinical Research Institute, \$17,000.00 status: closed 2012
- G45) **McCullough PA**, site Principal Investigator, ACZ885M/Canakinumab Clinical Trial Protocol CACZ885M2301 A randomized, double-blind, placebo-controlled, event-driven trial of quarterly subcutaneous canakinumab in the prevention of recurrent cardiovascular events among stable post-myocardial infarction patients with elevated hsCRP. Novartis, Inc., 2011 \$279,223.00 status: closed 2015
- G46) **McCullough PA**, site Principal Investigator, AN-CVD2233 Evaluation of the Safety and Efficacy of Short-term A-002 (Varespladib) Treatment in Subjects with Acute Coronary Syndromes (VISTA-16) Anthera Pharmaceuticals, Inc., 2011 \$72,600.00 status: closed 2011
- G47) **McCullough PA**, site Principal Investigator, BC22140A Cardiovascular outcomes study to evaluate the potential of aleglitazar to reduce cardiovascular risk in patients with a recent acute coronary syndrome (ACS) event and type 2 diabetes mellitus (T2D), F. Hoffmann-La Roche Ltd, \$307,500.00 status: closed 2012
- G48) **McCullough PA**, site Principal Investigator, A Double-blind, Randomized, Placebo-controlled, Multicenter Study (Phase 2) to Evaluate the Safety and Efficacy of IV Infusion Treatment with Omecamtiv Mecarbil in Subjects with Left Ventricular Systolic Dysfunction Hospitalized for Acute Heart Failure (Protocol 20100754), Amgen, Inc, 253,464.00 status: closed 2012
- G49) **McCullough PA**, site Principal Investigator, MB102-073 A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Phase 3 Trial to Evaluate the Safety and

**Peter A. McCullough, M.D., M.P.H.**

Efficacy of Dapagliflozin in Subjects with Type 2 Diabetes with Inadequately Controlled Hypertension on an Angiotensin-Converting Enzyme Inhibitor (ACEI) or Angiotensin Receptor Blocker (ARB), Bristol-Myers Squibb Research and Development, 2011 \$34,115.00 status: closed 2012

- G50) **McCullough PA**, site Principal Investigator, MB102-077 A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Phase 3 Trial to Evaluate the Safety and Efficacy of Dapagliflozin in Subjects with Type 2 Diabetes with inadequately controlled hypertension treated with an Angiotensin-Converting Enzyme Inhibitor (ACEI) or Angiotensin Receptor Blocker (ARB) and an additional Antihypertensive medication, Bristol-Myers Squibb Research and Development, \$34,115.00 status: closed 2011
- G51) **McCullough PA**, site Principal Investigator, ABT M11350 RADAR: Reducing Residual Albuminuria in Subjects with Diabetes and Nephropathy with AtRasentan – A Phase 2b, Prospective, Randomized, Double-Blind, Placebo-Controlled Trial to Evaluate Safety and Efficacy, Abbott Laboratories, \$188,377.00 status: closed 2012
- G52) **McCullough PA**, site Principal Investigator, PEGASUS TIMI 54 trial, A Randomized, Double-Blind, Placebo Controlled, Parallel Group, Multinational Trial, to Assess the Prevention of Thrombotic Events with Ticagrelor Compared to Placebo on a Background of Acetyl Salicylic Acid (ASA) Therapy in Patients with History of Myocardial Infarction, AstraZeneca, 2011 \$98,530.00 status: transferred to PI Marcel Zughuib, MD
- G53) **McCullough PA**, site Principal Investigator, A Double-blind, Randomized, Placebo-controlled, Multicenter Study Assessing the Impact of Additional LDL-Cholesterol Reduction on Major Cardiovascular Events When AMG 145 is Used in Combination with Statin Therapy in Patients with Clinically Evident Cardiovascular Disease AMG 145 Amgen Protocol Number 20110118 EudraCT number 2012-001398-97, Amgen, Inc., \$1,732,062.80 status: closed 2016
- G54) **McCullough PA**, site Principal Investigator, A single-blind, multi-site trial of the dietary supplement anatabine (RCP006) to determine the effects on peripheral markers of inflammation in patients with elevated levels of C-reactive protein (CRP). Roskamp Institute Protocol Number RI-11-01, \$6700.00 status: closed 2012
- G55) **McCullough PA**, site Principal Investigator, Long-term safety and tolerability of REGN727/SAR236553 in high cardiovascular risk patients with hypercholesterolemia not adequately controlled with their lipid modifying therapy: a randomized, double-blind, placebo-controlled study LTS11717 Sanofi Aventis, \$252,000.00 status: closed 2013
- G56) **McCullough PA**, site Principal Investigator, Assessment of Clinical Effects of Cholesteryl Ester Transfer Protein Inhibition with Evacetrapib in Patients at a High Risk for Vascular Outcomes – the ACCELERATE Study, protocol I1V-MC-EIAN, Eli Lilly, \$421,202.00 status: closed 2014

**Peter A. McCullough, M.D., M.P.H.**

- G57) **McCullough PA**, site Principal Investigator, AEGR-733-025, LOWER: Lomitapide Observational Worldwide Evaluation Registry, Aegerion, Inc., 2014, \$23,478.00 status: open
- G58) **McCullough PA**, site Principal Investigator, The Evaluation Of PF-04950615 (RN316), In Reducing the Occurrence of Major Cardiovascular Events in High Risk Subjects (SPIRE-1), Pfizer, Inc., \$145,343.90 status: closed 2016
- G59) **McCullough PA**, site Principal Investigator, The Evaluation Of PF-04950615 (RN316) In Reducing the Occurrence of Major Cardiovascular Events in High Risk Subjects (SPIRE-2), Pfizer, Inc., \$145,343.90 status: closed 2016
- G60) **McCullough PA**, site Principal Investigator, Long Term Observational Study in Patients with Homozygous Familial Hypercholesterolemia Treated with Kynamaro™, Genzyme-Sanofi, Inc., \$61,260.00 status: closed 2018
- G61) **McCullough PA**, site Principal Investigator, CUP14366, Alirocumab (SAR236553) Expanded Access Program for the Treatment of Severe Hypercholesteremia Not Controlled with Maximal Tolerated Dose of Lipid Lowering Therapy Administered According to Standard of Care, Sanofi-Regeneron, Inc., 2015 \$8,500.00 status: closed 2015
- G62) **McCullough PA**, site Principal Investigator, Aspirin Dosing: A Patient-Centric Trial Assessing Benefits and Long-term Effectiveness (ADAPTABLE), Patient-Centered Outcomes Research Institute, 2015 \$29,400.00 status: open
- G63) **McCullough PA**, site Principal Investigator, Assessment of Heart Failure using Condition-Specific Impact Assessments (PROMIS), Patient-Centered Outcomes Research Institute, 2015 \$81,840.00 status: 2017 status: closed
- G64) **McCullough PA**, site Principal Investigator, A Randomized Parallel-Group, Placebo-Controlled, Double-Blind, Event-Driven, Multi-Center Pivotal Phase III Clinical Outcome Trial of Efficacy and Safety of the Oral sGC Stimulator Vericiguat in Subjects With Heart Failure With Reduced Ejection Fraction (HFREF) - VeriCiguaT Global Study in Subjects With Heart Failure With Reduced Ejection Fraction (VICTORIA), Merck, Inc, 2017 \$878,163.90 status: closed
- G65) **McCullough PA**, site Principal Investigator, A phase III randomised, double-blind trial to evaluate efficacy and safety of once daily empagliflozin 10 mg compared to placebo, in patients with chronic Heart Failure with preserved Ejection Fraction (HFpEF), EMPEROR-PRESERVED, Boehringer-Ingelheim, 2017 \$170,099.00, status: open
- G66) **McCullough PA**, site Principal Investigator, A phase III randomised, double-blind trial to evaluate efficacy and safety of once daily empagliflozin 10 mg compared to placebo, in

**Peter A. McCullough, M.D., M.P.H.**

patients with chronic Heart Failure with preserved Ejection Fraction (HFpEF), EMPEROR-REDUCED, Boehringer-Ingelheim, 2017 \$170,099.00, status: open

- G67) Schiffmann R, **McCullough PA** Sub-Investigator, 014-097 PB-102-F03 (Sponsor - Protalix - PRX-102 1mg/kg q 2 weeks) A Multi Center Extension Study of PRX-102 Administered by Intravenous Infusions Every 2 Weeks for 60 Months to Adult Fabry Patients, status: open
- G68) Schiffmann R, **McCullough PA** Sub-Investigator, 014-288 AT1001-042 (Sponsor - Amicus - oral drug - chaperone) An Open-Label Extension Study to Evaluate the Long-Term Safety and Efficacy of Migalastat Hydrochloride Monotherapy in Subjects with Fabry Disease, status: closed.
- G69) Schiffmann R, **McCullough PA** Sub-Investigator, 016-153 PB-102-F20 (Sponsor - Protalix - BLINDED - ERT PRX-102 or Fabrazyme 1mg/kg q 2 weeks) A Randomized, Double blind, Active Control Study of the Safety and Efficacy of PRX-102 compared to Agalsidase Beta on Renal Function in Patients with Fabry Disease Previously Treated with Agalsidase Beta – Study Number PB-102-F20, status: open
- G70) Schiffmann R, **McCullough PA** Sub-Investigator, 017-189 PB-102-F50 (Sponsor - Protalix - PRX-102 infusion - 2mg/kg monthly) A Phase 3, Open Label, Switch Over Study to Assess the Safety, Efficacy and Pharmacokinetics of pengunigalsidase alfa (PRX-102) 2 mg/kg Administered by Intravenous Infusion Every 4 Weeks for 52 weeks in Patients with Fabry Disease Currently Treated with Enzyme Replacement Therapy: Fabrazyme® (agalsidase beta) or Replagal (agalsidase alfa), status: open
- G71) Schiffmann R, **McCullough PA** 018-150 MODIFY (Sponsor - Idorsia - oral drug - substrate reduction) A multicenter, double-blind, randomized, placebo controlled, parallel-group study to determine the efficacy and safety of lucerastat oral monotherapy in adult subjects with Fabry disease, status: open
- G72) **McCullough PA**, site Principal Investigator, A Randomized, Double-blind, Placebo-controlled, Parallel-group Multicenter Study to Evaluate the Effects of Sotagliflozin on Clinical Outcomes in Hemodynamically Stable Patients with Type 2 Diabetes Post Worsening Heart Failure (SAR 439954), Sanofi US Services, Inc, \$214,600.00, 2019, status: open
- G73) **McCullough PA**, site Sub-Investigator, A Randomized, Double-blind, Placebo-controlled, Parallel-group Study to Evaluate the Safety and Efficacy of Alirocumab in Patients with Homozygous Familial Hypercholesterolemia (R727-CL-1628), Regeneron Pharmaceuticals, Inc, \$143,503.00, 2019, status: closed
- G74) **McCullough PA**, site Sub-Investigator, A Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Study to Evaluate the Efficacy and Safety of Evinacumab in

**Peter A. McCullough, M.D., M.P.H.**

Patients with Homozygous Familial Hypercholesterolemia (R1500-CL-1629) Regeneron Pharmaceuticals, Inc, \$143,503.00, 2019, status: closed

- G75) **McCullough PA**, site Sub-Investigator, An Open-Label Study to Evaluate the Long-Term Efficacy and Safety of Evinacumab in Patients with Homozygous Familial Hypercholesterolemia (R1500-CL-1719) Regeneron Pharmaceuticals, Inc, \$65,317.44, 2019, status: open
- G76) Bottiglieri T, Tecson K, **McCullough PA**, Identifying metabolomic profiles among genetically confirmed familial hypercholesterolemia, dyslipidemia without familial hypercholesterolemia, and healthy controls, Baylor Health Care System Foundation, \$49,293.80, 2020 status: open
- G77) **McCullough PA**, Wheelan KE. BSWRI—Overall Principal Investigator, 001 A prospective clinical study of hydroxychloroquine in the prevention of SARS-COV-2 (COVID-19) infection in health care workers after high-risk exposures, FDA IND 149293, Baylor Health Care System Foundation, \$506,506.00, 2020 status: open
- G78) **McCullough PA**, Site Investigator, 4D-310-C001 entitled “An Open-label, Phase 1/2 Trial of Gene Therapy 4D-310 in Adult Males with Fabry Disease” 4D Molecular Therapeutics, Inc, \$101,210.85, 2020 status: open
- G79) **McCullough PA**, Site Investigator, TQJ230, Assessing the Impact of Lipoprotein (a) Lowering With TQJ230 on Major Cardiovascular Events in Patients With CVD (Lp(a)HORIZON) Novartis Pharmaceuticals Corporation, \$3,475,000.00, 2020 status open

**Published Abstracts**

- A1) **McCullough PA**, O'Neill WW, May M, Lichtenberg A, Strzelecki M, Grines CG, Safian RD. Predictors of Acute Complications after Percutaneous Coronary Revascularization with New Devices. J Am Coll Cardiol 1994; 122-123A [oral].
- A2) **McCullough PA**, O'Neill WW, Hoffman M, Glazier S, Safian RD. The "Protective Effect" of Restenosis Lesions on Angiographic Complications with New Devices. Circulation 1995;92:I-346 [poster].
- A3) **McCullough PA**, Wolyn R, Rocher LL, Levin RN, O'Neill, WW. Acute Contrast Nephropathy After Coronary Intervention: Prediction of Dialysis and Related Mortality in the Elderly. American Journal of Geriatric Cardiology 1996;5:52 [poster].
- A4) **McCullough PA**, Wolyn R, Rocher LL, Levin RN, O'Neill WW. Acute Contrast Nephropathy After Coronary Intervention: Incidence, Risk Factors, and Relationship to Mortality. J Am Coll Cardiol 1996;304-305A [oral].



**Peter A. McCullough, M.D., M.P.H.**

- A5) **McCullough PA**, Ayad O, Goldstein JA. Cost-Effectiveness Analysis of Patients Admitted with Chest Pain and Normal or Near-Normal Electrocardiograms. *Cathet Cardiovasc Diag* 1996;38:118 [poster].
- A6) Aliabadi D, **McCullough PA**, Kaplan B, Grines CL, Safian RD, Pica M, O'Neill WW, Goldstein JA. A Novel Mobile Fluoroscopic Imaging System for Rapid Bedside Coronary Angiography. *Cathet Cardiovasc Diag* 1996;38:111 [oral].
- A7) Thompson RJ, **McCullough PA**, Kahn JK, O'Neill WW. Early Prediction of Death and Neurologic Outcome in Out-of-Hospital Sudden Death Survivors in the Emergency Department. *Circulation* 1996;94:I-356 [poster].
- A8) **McCullough PA**, O'Neill WW, Graham M, David S, Stomel R, Rogers F, Grines CL. A Prospective Randomized Trial of Triage Angiography in Suspected Acute Myocardial Infarction Patients Who are Considered Ineligible for Reperfusion Therapy. *Circulation* 1996;94:I-570 [oral].
- A9) Aliabadi D, **McCullough PA**, Grines CL, Safian RD, Pica MC, O'Neill WW, Goldstein JA. A Novel Mobile Fluoroscopic Imaging System for Rapid Bedside Coronary Angiography. *J Am Coll Cardiol* 1997;450A [poster].
- A10) **McCullough PA**, O'Neill WW, Graham M, David S, Stomel R, Rogers F, Farhat A, Kazlauskaitė R, Grines CL. Late Outcomes in the Medicine vs. Angiography for Thrombolytic Exclusion (MATE) Study. *Circulation*, 1997;96:I-595-596 [oral].
- A11) Redle JD, West AJ, Khurana S, Marzan R, **McCullough PA**, Frumin HI. Prophylactic Oral Amiodarone with Beta Blockade has Favorable Effects on Atrial Fibrillation Post Coronary Bypass Surgery. *Circulation*, 1997;96:I-125 [poster].
- A12) Sharma ND, Gandhi RS, Philbin EF, Weaver WD, **McCullough PA**. Which Patients with Left Ventricular Dysfunction Require Chronic Anticoagulation? A Prospective Analysis. *J Am Coll Cardiol* 1998;31:33A. [poster].
- A13) **McCullough PA**, Tobin KJ, Kahn JK, O'Neill WW, Thompson RJ. Prediction of In-hospital Survival after Sudden Cardiac Death: Derivation and Validation of a Clinical Model. *J Am Coll Cardiol* 1998;31:485A [poster].
- A14) Stevens M, **McCullough PA**, Tobin KJ, Speck JP, Westveer DC, Guido-Allen DA, Hartenburg DS, Puchrowicz-Ochocki SB, O'Neill WW. A Randomized Trial of Prevention Measures in Patients at High Risk for Contrast Nephropathy: Initial Results of the PRINCE Study. *J Am Coll Cardiol* 1998;31:469A [poster].

**Peter A. McCullough, M.D., M.P.H.**

- A15) Tobin KJ, **McCullough PA**, Speck JP, Westveer DC, Guido-Allen DA, Hartenburg DS, Puchrowicz-Ochocki SB, O'Neill WW, Stevens M. What Role Does Mannitol Play in Preventing Contrast Nephropathy? A Prospective Analysis. *J Am Coll Cardiol* 1998;31:469A [poster].
- A16) **McCullough PA**, Al-Zagoum M, Graham M, David S, Stomel R, Rogers F, Farhat A, Kazlauskaite R, Grines CL, O'Neill WW. A Time to Treatment Analysis in the Medicine vs. Angiography for Thrombolytic Exclusion Trial. *Cathet Cardiovasc Diag* 1998;44:105 [oral].
- A17) **McCullough PA**, Al-Zagoum M, O'Neill WW, Graham M, David S, Stomel R, Rogers F, Farhat A, Kazlauskaite R, Grines CL. A Program of Triage Angiography in Acute Coronary Syndromes Ineligible for Thrombolysis: An Efficacy Analysis. *Cathet Cardiovasc Diag* 1998;44:105[poster].
- A18) Philbin EF, **McCullough PA**, Polanczyk CA, Jenkins PL, DiSalvo TG. Are Subjects in Heart Failure Trials Similar in Clinical Practice? *Circulation*, 1998;98:I-866 [moderated poster].
- A19) **McCullough PA**, Smith S, Borzak S. Understanding the Risks Associated with Baseline Renal Function in the Coronary Care Unit. *Circulation*, 1998;98:I-413 [poster].
- A20) Afzal A, Gunda M, Brawner CA, Havstad S, **McCullough PA**, Keteyian SJ. Race and the Rate of Referral to Cardiac Rehabilitation. *Circulation*, 1998;98:I-810-811 [poster].
- A21) Borzak S, Every NR, Jankowski M, Havstad S, Chase GA, **McCullough PA**, Elston-Lafata J, Weaver WD. Elderly Patients with Unstable Angina Have Ongoing Risk for Future Events. *Circulation*, 1998;98:I-629 [oral].
- A22) Borzak S, Every NR, Chase GA, Jankowski M, Havstad S, **McCullough PA**, Elston-Lafata J, Weaver WD. U.S. Regional Differences in Use of Revascularization for Unstable Angina Patients. *Circulation*, 1998;98:I-275 [oral].
- A23) **McCullough PA**, Newman M, Kaiser Carlson L, Flower J, Tuchfield B. Accelerating the Improvement in Community Cardiovascular Health Using Web-Enhanced Project Development. *J Am Coll Cardiol* 1999;33:7A [info@ACC].
- A24) Mehra P, Pasnoori V, Sengstock D, Obaidat O, Brawner CA, Keteyian SJ, Philbin EF, **McCullough PA**. The Effect of Reactive Airways Disease on Peak Oxygen Consumption in Congestive Heart Failure. *J Am Coll Cardiol* 1999;33:172A [poster].
- A25) **McCullough PA**, Cingireddy U, Philbin EF, Weaver WD. Evidence for a Heart Failure Epidemic: Findings from the REACH Study. *J Am Coll Cardiol* 1999;33:179A [poster].
- A26) **McCullough PA**, Cingireddy U, Philbin EF, Weaver WD. Secular Trends in the Management of Congestive Heart Failure by Primary Care Physicians and Cardiovascular Specialists. *J Am Coll Cardiol* 1999;33:247A [poster]

**Peter A. McCullough, M.D., M.P.H.**

- A27) Hassan SA, Borzak S, Philbin EF, Soman S, Shah S, Weaver WD, Yee J, Marks KR, **McCullough PA**. The Impact Chronic Renal Insufficiency on Heart Failure Mortality after Hospitalization. *Journal of Cardiac Failure* 1999;5 Suppl 1:70. [poster].
- A28) Sengstock D, Obaidat O, Pasnoori V, Mehra P, **McCullough PA**. Asthma, Chronic Beta-Agonist Use, and the Development of Dilated Cardiomyopathy: Primary Results from the ABCHF Study. *Journal of Cardiac Failure* 1999;5 Suppl 1:64. [moderated poster].
- A29) **McCullough PA**, Kuntz RE, Marks KR, Popma JJ. Should We Change from Aspirin and Ticlopidine to Aspirin and Clopidogrel after Routine Coronary Stenting? A Population-Based Decision Analysis. *Circulation* 1999;100:I-379.[oral].
- A30) **McCullough PA**, Prakash R, Tobin KJ, O'Neill WW, Thompson RJ. Application of a Cardiac Arrest Score in Patients with Sudden Death and ST Segment Elevation for Triage Angiography and Intervention. *Fighting Sudden Cardiac Death: A Worldwide Challenge*, 1999;18:T-2.
- A31) **McCullough PA**, Philbin EF, Czerska B, Spertus JA, Weaver WD. Population-based Medication Profiling in Heart Failure: Treatment Related Outcomes from the R.E.A.C.H. Study. *J Am Coll Cardiol* 2000; 35:542A [moderated poster].
- A32) **McCullough PA**, Philbin EF, Czerska B, Spertus JA, Weaver WD. The Diagnostic Evaluation of Newly Discovered Heart Failure: Opportunities for Improvement from the R.E.A.C.H. Study. *J Am Coll Cardiol* 2000;35:327A [poster].
- A33) Shah SS, Tokarski GF, McCord JK, Khoury NE, McCabe KB, Morlock RJ, Noor H, **McCullough PA**. Impact of an Emergency Department Cardiac Clinical Decision Unit on a Population of Patients with Episodic Chest Discomfort. *J Am Coll Cardiol* 2000;35:380A [poster].
- A34) Kadakia RA, **McCullough PA**, Soman S, Jankowski M, Borzak S, Keeley EC. Does Percutaneous Revascularization Confer a Long-Term Survival Benefit in Patients with Acute Renal Failure? *J Inv Cardiol* 2000;12(11):P1.
- A35) **McCullough PA**, Philbin EF, Spertus JA, Weaver WD. Gender Differences in the Diagnostic Evaluation of Heart Failure: Findings from the R.E.A.C.H. Study. *J Inv Cardiol* 2000;12(11):P23.
- A36) Pampati V, Shenkman HJ, McKinnon JE, Khandelwal AK, Nori DM, **McCullough PA**. The Significance of QRS Prolongation in Heart Failure: Findings from the CONQUEST Study. *Chest*2000;118(4):133S.
- A37) Hassan SA, Bhatt S, Borzak S, Pallekonda V, Soman SS, Yee J, Marks K, **McCullough PA**. Clinical and Echocardiographic Determinants of Congestive Heart Failure with Renal Dysfunction.*Chest*2000;118(4):134S.

**Peter A. McCullough, M.D., M.P.H.**

- A38) Soman SS, Vera E, Jaffery H, Singh S, Marks KR, Borzak S, **McCullough PA**. Impact of Age and Admission Hemoglobin on Coronary Care Unit Mortality. *Chest* 2000; 118(4):166S.
- A39) Soman SS, Shah S, Marks KR, Yee J, Borzak S, **McCullough PA**. The Independent Association of Renal Dysfunction and Arrhythmias in the Intensive Care Unit Setting. *Chest* 2000;118(4):171172S.
- A40) Sallach JA, Soman SS, Sallach SM, Yee J, Karriem V, Hoffman RM, **McCullough PA**. "Homocysteine Flux": An Opportunity to Modify Cardiovascular Risk in Hemodialysis Patients. *Chest* 2000;118(4):218S.
- A41) McKinnon JE, Khandelwal AK, Shenkman HJ, Pampati V, Nori DM, **McCullough PA**. Congestive Heart Failure and QRS Duration: Utilization in Establishing Prognosis in Systolic and Diastolic Dysfunction—Results of the CONQUEST Study. *Chest* 2000; 118(4):221S.
- A42) Kadakia RA, Bonifacio DL, Mikhail B, Clark VL, **McCullough PA**. Survival Following Coronary Intervention in Patients with End Stage Renal Disease. *Chest* 2000; 118(4):226-227S.
- A43) Hassan S, Nori D, Bhatt S, Borzak S, Philbin E, Weaver WD, Soman S, Shah S, **McCullough PA**. Impact of Bundle Branch Block (BBB) Pattern on EKG on Survival in Patients with Congestive Heart Failure (CHF), an Eight Year Follow-up Study. *Journal of Heart Failure* 2000;6(1):65 [A258].
- A44) Soman SS, Sallach J, Sallach S, **McCullough PA**, Karriem V, Hoffman R, Yee J. Homocysteine (tHcy) Removal by Hemodialysis (HD) Modifies Cardiovascular Disease (CVD) Risk in ESRD. *American Society of Nephrology* 2000 [A0887].
- A45) McCord JK, Nowak R, **McCullough PA**, Borzak S, Tokarski G, Tomlanovich M, Foreback C, Malki Q, Asfour A, Weaver WD. Very Rapid Rule-out: 90 Minute Exclusion of Acute Myocardial Infarction (AMI) with Troponin-I (cTnl) and Myoglobin (Myo). *Circulation* 2000;102(18): II497.
- A46) Shenkman HJ, McKinnon JE, Khandelwal AK, Pampati V, Nori DM, **McCullough PA**. Determinants of QRS Prolongation in a Generalized Heart Failure Population: Findings from the Conquest Study. *Circulation* 2000;102(18): II617.
- A47) Philbin EF, **McCullough PA**, Di Salvo TG, Dec W, Jenkins PL, Weaver WD. Socioeconomic Status is an Important Determinant of Use of Invasive Strategies after Myocardial Infarction in Hospitals with Cardiac Surgery. *Circulation* 2000;102(18): II840.
- A48) **McCullough PA**, Sandberg KR, Borzak S, Hudson MP, Garg M, Manley HJ. Use of Aspirin and thrombolysis for myocardial infarction in patients with chronic renal disease: An opportunity for quality improvement, AHA Conference on Quality of Care and Outcomes P93, *Circulation* 2001.

**Peter A. McCullough, M.D., M.P.H.**

- A49) Ketterer MW, Goldberg AD, **McCullough PA**, Patel S, Farha AJ, Clark V, Keteyian S, Dennollet J, Chapp J, Thayer B, Deveshwar S. Psychosocial Correlates of Early Ischemic Heart Disease (IHD): Preliminary Results. *Psychosomatic Medicine* 2001;63:172-173.
- A50) Fitzgerald FE, Thayer BL, Ehrman JK, Keteyian S, Jarvis R, **McCullough PA**. A Hospital Employee Cholesterol Challenge Using Spreads Containing Plant Sterol Esters to Help Reduce Total and LDL-Cholesterol. *American Diabetes Association* 2001 [p000].
- A51) **McCullough PA**, Garg M, Bonifacio DL, Malineni K, Kadakia RR, Soman SS, Sandberg KR. Relationship between Lipid Levels and Advanced Coronary Calcification in End Stage Renal Disease. Central Society for Clinical Research Combined Annual Meeting, 2001 [P78] *Journal of Investigative Medicine* 2001;49:284A.
- A52) **McCullough PA**, Hudson MP, Garg M, Borzak S. Benefits of Aspirin and Beta-Blockade after Myocardial Infarction in Patients with Advanced Renal Dysfunction. Central Society for Clinical Research Combined Annual Meeting, 2001 [P79] *Journal of Investigative Medicine* 2001;49:285A.
- A53) Hannen MN, **McCullough PA**, Garg M, Quick AM. Tricuspid Valve Endocarditis in a Patient with Negative Blood Cultures and Right Atrial Mass. Central Society for Clinical Research Combined Annual Meeting, 2001 [P96] *Journal of Investigative Medicine* 2001;49:287A.
- A54) **McCullough PA**, Garg M, Borzak S, Hudson MP. Outcomes after Myocardial Infarction in Patients with Advanced Renal Disease Treated with Aspirin and  $\beta$ -Blockade. *CHEST* 2001;120(4):145S.
- A55) **McCullough PA**, Garg M, Borzak S, Hudson MP. Benefits of Aspirin and Beta-Blockade after Myocardial Infarction in Patients with Chronic Renal Disease. *Circulation* 2001;104 (17):II-234.
- A56) Manhapra A, Jacobsen G, Havstad S, **McCullough P**, Hudson MP, Weaver WD, Borzak S. Improved Long Term Survival with Beta Blocker Therapy Among African Americans and Caucasians with Myocardial Infarction. *Circulation* 2001;104 (17):II-627.
- A57) Manhapra A, Jacobsen G, Havstad S, **McCullough P**, Hudson MP, Weaver WD, Borzak S. Racial Differences in Long Term Survival following an Acute Myocardial Infarction. *Circulation* 2001;104 (17):II-778.
- A58) Brown WW, Bakris GL, Collins A, Flack JM, Gannon M, Greene E, Grimm R, Keane WF, Klag M, **McCullough P**, Politoski G. Identification of Individuals at High Risk (HR) for Kidney Disease (KD) via Targeted Screening. International Society of Hypertension in Blacks 2001 Meeting, Las Vegas, July 8-12, 200, Plenary Presentation and Poster. *Ethnicity & Disease* 2001; 11 (2): 358.
- A59) Brown WW, Bakris GL, Chen S, Collins A, Davis J, Flack JM, Gannon M, Greene E, Grimm R, Keane WF, Klag MJ, **McCullough PA**, Politoski G, Tran A. St. Louis VAMC/St. Louis University,

**Peter A. McCullough, M.D., M.P.H.**

Rush Presbyterian, Minneapolis Medical Research Foundation, NKF, Wayne State University, Mayo Clinic, Hennepin County Medical Center, Johns Hopkins Medical Institutions, UMKC. Targeted Screenings Identify Persons at Risk for Kidney Disease (KD). Poster, ASN/ISN International Congress of Nephrology, San Francisco, October 13-17, 2001. J of the Am Soc of Nephrol 2201; 12: A1003.

- A60) Maisel AS, Hlavin P, McCord J, Nowak RM, Hollander JE, Duc P, Steg G, Omland T, Westheim A, Abraham WT, Storrow AB, McKay CA, Wu AH, **McCullough PA**, for the BNP Multinational Study Investigators. B-Type Natriuretic Peptide in the Emergency Diagnosis of Diastolic Dysfunction Heart Failure. J Am Coll Cardiol 2002;39:140A.
- A61) **McCullough PA**, Nowak RM, McCord J, Hollander JE, Steg G, Duc P, Westheim A, Omland T, Storrow AB, Abraham WT, Wu AH, Clopton P, Lenert L, Maisel AS, for the BNP Multinational Study Investigators. B-Type Natriuretic Peptide Adds to Clinical Judgment in the Diagnosis of Heart Failure: A Bayesian Analysis From the BNP Multinational Study. J Am Coll Cardiol 2002;39:140A.
- A62) **McCullough PA**, Nowak RM, McCord J, Hollander JE, Loh E, Steg G, Duc P, Omland T, Westheim A, Abraham WT, Storrow AB, Wu AH, Hlavin P, Maisel AS, for the BNP Multinational Study Investigators. The Independent Contribution to Elevations in B-Type Natriuretic Peptide from Atrial Fibrillation. J Am Coll Cardiol 2002;39:90A.
- A63) Maisel AS, Kazanegra R, McCord J, Nowak RM, Hollander JE, Duc P, Steg G, Omland T, Wold-Knudsen C, Westheim A, Abraham WT, Storrow AB, Wu AH, **McCullough PA**, for the BNP Multinational Study Investigators. The Effect of Diabetes on B-Type Natriuretic Peptide Levels in Patients with Acute Dyspnea. J Am Coll Cardiol 2002;39:182A.
- A64) **McCullough PA**, Nowak RM, Foreback C, Borzak S, Tokarski G, Tomlanovich MC, Jacobsen G, Weaver WD, Sandberg KR, McCord J. Performance of Cardiac Troponin I in the Exclusion of Myocardial Infarction in Patients with Advanced Renal Disease. J Am Coll Cardiol 2002;39:326A.
- A65) Khandelwal A, McKinnon JE, Shenkman HJ, Pampati V, Nori D, Kaatz S, Sandberg KR, **McCullough PA**. Epidemiology of Systolic and Diastolic Dysfunction Heart Failure in 3,471 Urban Patients. J Am Coll Cardiol 2002;39:192A.
- A66) Maisel AS, Kazanegra R, McCord J, Nowak RM, Hollander JE, Duc P, Steg G, Omland T, Westheim A, Abraham WT, Storrow AB, Lamba S, Wu AH, **McCullough PA**, for the BNP Multinational Study Investigators. Primary Results of the BNP Multinational Study: B-Type Natriuretic Peptide in the Emergency Diagnosis of Heart Failure. J Am Coll Cardiol 2002;39:201A.
- A67) **McCullough PA**, McCord J, Nowak RM, Hollander JE, Duc P, Omland T, Abraham WT, Wu AHB, Krishnaswamy P, Maisel AS. B-type Natriuretic Peptide Should be Part of the Diagnostic

**Peter A. McCullough, M.D., M.P.H.**

Evaluation of Heart Failure: Implications from the Breathing Not Properly (BNP) Multinational Study. *J Heart Failure* 2002;7(1):44.

- A68) Nowak RM, Maisel AS, McCord J, Kazanegra R, Hlavin P, Lenert LA, Clopton P, Hollander JE, Loh E, Duc P, Steg PG, Westheim A, Omland T, Abraham WT, Lamba S, Storrow AB, Wu AHB, McKay C, **McCullough PA**. B-type Natriuretic Peptide Complements Clinical Judgment in the Emergency Diagnosis of Heart Failure. *Acad Emerg Med* 2002 9: 359.
- A69) Hollander JE, Maisel AS, Nowak RM, McCord J, Kazanegra R, Hlavin P, Lenert LA, Clopton P, Loh E, Duc P, Steg PG, Wertheimer A, Omland T, Abraham WT, Lamba S, Storrow AB, Wu AHB, McKay C, **McCullough PA**. Impact of Acute Myocardial Ischemia on Blood B-Type Natriuretic Peptide in the Emergency Diagnosis of Heart Failure. *Acad Emerg Med* 2002 9: 440.
- A70) Knudsen CW, Omland T, Clopton P, Westheim A, Abraham WT, Storrow AB, McCord J, Nowak RM, Steg PG, Duc P, **McCullough PA**, Maisel AS. Diagnostic Value of Chest Radiographs in Patients Presenting with Acute Dyspnea: Comparison with B-type Natriuretic Peptide. *Circulation* 2002;106(19):II-683.
- A71) Omland T, Knudsen CW, Westheim A, McCord J, Aumont MC, **McCullough PA**. The Effect of Hypertension on B-type Natriuretic Peptide Levels in Patients with Acute Dyspnea: An Analysis from the Breathing Not Properly Study. *Circulation* 2002;106(19):II-477.
- A72) Sallach JA, McCord J, Sallach SM, Duc P, Omland T, Nowak RM, Hollander JE, Storrow AB, Abraham WT, Wu AHB, Clopton P, Krishnaswamy P, Maisel AS, **McCullough PA**. The Effect of Pre-Existing Ischemic Heart Disease on B-type Natriuretic Peptide Levels in Patients Presenting with Acute Dyspnea. *Circulation* 2002;106(19):II-565.
- A73) Ehrman JK, Manhapra A, Jacobsen G, **McCullough PA**. Lower Socioeconomic Status is Associated with Poor Survival in Heart Failure Patients. *Circulation* 2002;106(19):II-762.
- A74) **McCullough PA**, Omland T, Knudsen CW, Duc P, Nowak RM, McCord J, Hollander JE, Aumont MC, Steg PG, Westheim A, Storrow AB, Abraham WT, Lamba S, Wu AHB, Alan S. Maisel AS, BNP Multinational Study Investigators. Uncovering Heart Failure in Patients with Bronchospasm: Rationale for the Early Use of B-Type Natriuretic Peptide in the Emergency Department. *J Am Coll Cardiol* 2003;41:142A.
- A75) Maisel AS, Kazanegra R, **McCullough PA**, McCord J, Nowak RM, Hollander JE, Wu AHB, Duc P, Omland T, Storrow AB, Krishnaswamy P, Abraham WT, Clopton P, Steg PG, Westheim A, Knudsen CW, Herrmann HC. Bedside B-Type Natriuretic Peptide in the Emergency Diagnosis of Systolic and Nonsystolic Heart Failure: Results From the Breathing Not Properly (BNP) Multinational Study. *J Am Coll Cardiol* 2003;41:143A.
- A76) Steg PG, Duc P, Joubin L, McCord J, Abraham WT, Hollander JE, Omland T, Baron G, Aumont MC, Mentré F, **McCullough PA**, Maisel AS, BNP Multinational Study Investigators. A Comparison

**Peter A. McCullough, M.D., M.P.H.**

of Bedside B-Type Natriuretic Peptide Versus Echocardiographic Determination of Ejection Fraction in the Diagnosis of Heart Failure. *J Am Coll Cardiol* 2003;41:337A.

- A77) Mundy BJ, McCord J, Nowak RM, Hudson MP, Czerska B, Jacobsen G, Omland T, Wu AHB, Duc P, Hollander JE, **McCullough PA**, Maisel AS, BNP Multinational Study Investigators. B-Type Natriuretic Peptide Levels Are Inversely Related to Body Mass Index in Patients With Heart Failure. *J Am Coll Cardiol* 2003;41:158A.
- A78) **McCullough PA**, Nowak RM, McCord J, Omland T, Knudsen CW, Duc P, Hollander JE, Steg PG, Aumont MC, Westheim A, Storrow AB, Abraham WT, Lamba S, Wu AHB, Maisel AS, BNP Multinational Study Investigators. What is in the Differential Diagnosis of a B-Type Natriuretic Peptide Level of 1,000 pg/ml? *J Am Coll Cardiol* 2003;41:159A.
- A79) **McCullough PA**, Steg PG, Aumont MC, Duc P, Omland T, Knudsen CW, Nowak RM, McCord J, Hollander JE, Westheim A, Storrow AB, Abraham WT, Lamba S, Wu AHB, Maisel AS, BNP Multinational Study Investigators. What Causes Elevated B-Type Natriuretic Peptide in Patients Without Heart Failure? *J Am Coll Cardiol* 2003;41:278A.
- A80) Gurudutt B. Kulkarni, John House, John A. Spertus, **Peter A. McCullough**. Chronic Kidney Disease: The Silent Killer After Coronary Angioplasty. *J Am Coll Cardiol* 2003;41:54A.
- A81) Chew DP, Bhatt DL, Berger PB, Henry T, **McCullough PA**, Feit F, Bittl JA, Lincoff AM. Bivalirudin Provides Increasing Benefit With Declining Renal Function in Percutaneous Coronary Intervention: A Meta-Analysis of 5,035 Patients Enrolled in Three Randomized Trials. *J Am Coll Cardiol* 2003;41:83A.
- A82) Stone GW, **McCullough PA**, Tumlin J, Madyoon H, Murray P, Wang A, Chu AA, Schaer G, Stevens M, Wilensky RL, O'Neill WW, Lepor N. A Prospective, Randomized Placebo-Controlled Multicenter Trial Evaluating Fenoldopam Mesylate for the Prevention of Contrast Induced Nephropathy: The CONTRAST Trial. *J Am Coll Cardiol* 2003;41:83A.
- A83) **McCullough PA**, Duc P, Omland T, McCord J, Nowak RM, Hollander JE, Herrmann HC, Steg PG, Westheim A, Aumont MC, Knudsen CW, Storrow AB, Abraham WT, Lamba S, Wu AHB, Perez A, Clopton P, Krishnaswamy P, Kazanegra R, Maisel AS, BNP Multinational Study Investigators. B-Type Natriuretic Peptide and Renal Function in the Diagnosis of Heart Failure: An Analysis from the BNP Multinational Study. *J Am Coll Cardiol* 2003;41:222A.
- A84) **McCullough PA**, Sandberg KR, Yanez J. Determinants of vascular calcification in patients with chronic kidney disease and end-stage renal disease: a systematic review. *Am J Kidney Dis* 2003;(42)227A.
- A85) Kazanegra R, Clopton P, Krishnaswamy P, Nowak RM, McCord J, Hollander JE, Duc P, Omland T, Storrow AB, Abraham WT, Wu AH, Steg PG, Westheim A, Perez A, Herrmann HC, Knudsen CW, Aumont M-C, **McCullough PA**, Maisel AS. The impact of age, race and gender on the ability of B-



**Peter A. McCullough, M.D., M.P.H.**

type natriuretic peptide to aid in the emergency diagnosis of heart failure: results from the breathing not properly (BNP) multinational study. *J Cardiac Failure* 2003; 9(5):S36.

- A86) Aumont MC, Duc P, Baron G, McCord JA, Omland T, Storrow AB, **McCullough PA**, Maisel AS. High levels of brain natriuretic peptide without chronic heart failure: analysis of a multicentre study. *Eur Heart J* 2003;24(530): P2810.
- A87) Havranek EP, Masoudi FA, Rumsfeld JS, Luther SA, **McCullough PA**, Jones PG, Rathore SS. Changes in BNP are not associated with outcomes in outpatients with heart failure. *Circulation* 2003;108(17):IV-692.
- A88) Sandberg KR, Gallagher MJ, Krause KR, Franklin BA, **McCullough PA**. Caloric expenditure in the morbidly obese. *Circulation* 2003;108(17):IV-735.
- A89) Gallagher MJ, Sandberg KR, de Jong A, Krause KR, **McCullough PA**, Franklin BA. Heart rate recovery after symptom limited exercise testing in obese patients. *Circulation* 2003;108(17):IV-735.
- A90) Fishbane S, **McCullough PA**, Rudnick M. Systematic Review of the Role of N-acetylcysteine in the Prevention of Contrast Media-Induced Nephropathy. *J Am Soc Nephrol* Vol 14, 2003, 1553A.
- A91) Stacul F, Bertrand ME, **McCullough PA**, Brinker J. Contrast-induced nephropathy (CIN) following iso-osmolar (IOCM) versus low-osmolar contrast media (LOCM) in patients undergoing angiography and predicting factors for CIN: a meta-analysis. *European Congress of Radiology* 2004, B-934.
- A92) Maisel AS, Hollander J, Guss D, **McCullough PA**, Nowak R, Green G, Saltzberg M, Kazanegra R, Clopton P, Jesse R, for the REDHOT Investigators. Primary results of the Rapid Emergency Department Heart Failure Outpatient Trial (REDHOT): a multicenter trial examining B-type natriuretic peptide levels, emergency physician decision making and outcomes in patients with shortness of breath. *J Am Coll Cardiol* 2004; 43(5):6A.
- A93) Knudsen CW, Omland T, Westheim A, Clopton P, Abraham WT, Storrow A, McCord JK, Nowak R, Duc P, **McCullough PA**, Maisel A. B-type natriuretic peptide and chest radiograph findings as indicators of systolic dysfunction in patients presenting with acute dyspnea. *J Am Coll Cardiol* 2004; 43(5):171A.
- A94) Soman P, Lahiri A, Mieres J, Calnon D, Wolinsky D, Beller GA, Sias T, Burnham K, Conway L, **McCullough PA**, Daher E, Walsh MN, Wight J, Heller GV, Udelson JE. Investigation of Myocardial-Gated SPECT Imaging as an Initial Strategy in Heart Failure: The IMAGING in Heart Failure Study. *J Am Coll Cardiol* 2004;43(5):323A.

**Peter A. McCullough, M.D., M.P.H.**

- A95) Maisel AS, Bhalla MA, Gardetto N, McCord J, Nowak RM, Hollander JE, Wu AHB, Duc P, Omland T, Storrow AB, Krishnaswamy P, Abraham WT, Clopton P, Steg G, Aumont MC, Westheim A, Knudsen CW, Perez A, Kamin R, Kazanegra R, Herrmann HC, **McCullough PA**, for the BNP Multinational Study Investigators. Utility of B-type natriuretic peptide levels in predicting outcome of hospitalized patients with congestive heart failure: results of the Breathing Not Properly (BNP) Multinational Study. *J Am Coll Cardiol* 2004; 43(5):234A.
- A96) Sandberg KR, Irving SD, Veri S, **McCullough PA**. Dietary and exercise habits in morbidly obese patients pre and post gastric bypass surgery. Presented at the 44th Annual Conference on Cardiovascular Disease Epidemiology and Prevention. *Circulation* 2004;109(6):P233.
- A97) Sandberg KR, Gallagher MJ, Franklin BA, deJong AT, Krause KR, **McCullough PA**. The effects of bariatric surgery on exercise tolerance and cardiopulmonary fitness in the morbidly obese. *American Society for Bariatric Surgery Annual Meeting 2004* [P7].
- A98) Odom JS, Sandberg KR, **McCullough PA**. Psychological screening in bariatric surgery candidates. *American Society for Bariatric Surgery Annual Meeting 2004* [P51].
- A99) de Jong AT, Gallagher MJ, Sandberg KR, Krause KR, Ehrman JK, Keteyian SJ, Brawner CA, **McCullough PA**, Franklin BA. Ability to achieve maximal oxygen consumption during exercise testing in morbidly obese patients. *Medicine & Science in Sports and Exercise* 2004;36(4):S140 [999].
- A100) Conklin A, de Jong AT, Franklin BA, **McCullough PA**. Evaluation of cardiorespiratory fitness in morbidly obese adults: a feasibility study. *Medicine & Science in Sports and Exercise* 2004;36(4):S140 [1000].
- A101) Grayson D, De Jong AT, Ochoa A, Gallagher M, Franklin BA, **McCullough PA**. Oxygen consumption changes during EECF treatment in patients with and without coronary artery disease. *Medicine & Science in Sports and Exercise* 2004;36(4):S140 [1475].
- A102) Jurkovitz C, Norris K, Li S, Shen SC, McGill JA, **McCullough PA**, Narva A, Bakris G, Collins A, Klag M, Brown W. Does Obesity Modify the Association between Hypertension and Race? An Analysis of the KEEP Population. *Preventive Medicine* 39(2004), S21.
- A103) Strunk A, Bhalla V, Clopton P, Nowak RM, McCord J, Hollander JE, Duc, P, Storrow, AB, Abraham WT, Wu AHB, Steg G, Perez A, Kazanegra R, Herrmann HC, Aumont MC, **McCullough PA**, Maisel AS for the BNP Multinational Study Investigators\*. Impact of the history of congestive heart failure on accuracy of BNP in the emergency diagnosis of heart failure: results from the breathing not properly (BNP) multinational study. *J Card Failure* 10(4):S50 #120, 8th Annual Scientific meeting of the Heart Failure Society of America, 2004.

**Peter A. McCullough, M.D., M.P.H.**

- A104) Jurkovitz C, Li S, Norris K, McGill J, Chen SC, Pergola P, Narva A, **McCullough PA**, Brown W, Klag M. Obesity is associated with risk factors for chronic kidney disease: Kidney Early Evaluation Program Results. *J Am Soc Nephrol* 2004;15:134A.
- A105) Singh AK, McGill J, **McCullough PA**, Brown W, Collins A, Chen SC, Li S, Narva A, Herman WH, Bakris GL, Jurkovitz C, Norris K, Pergola P, Klag M. Advanced stages of chronic kidney disease (CKD) detected among screened individuals with diabetes mellitus, undiagnosed diabetes, and mildly elevated glucose values: Results from the NKF Kidney Early Evaluation Program (KEEP) Study. *J Am Soc Nephrol* 2004;15:322A.
- A106) McGill J, **McCullough PA**, Brown W, Collins A, Chen SC, Li S, Narva A, Herman WH, Bakris GL, Norris K, Pergola P, Klag M, Jurkovitz C. Pre-menopausal and elderly women with chronic kidney disease (CKD) at highest risk of anemia: Results from the NKF Kidney Early Evaluation Program (KEEP) Study. *J Am Soc Nephrol* 2004;15:547A.
- A107) Gallagher MJ, Franklin BA, deJong A, Sandberg KR, Krause KR, Ehrman JK, Keteyian SJ, Brawner CA, Mattichak SJ, Kahn JK, **McCullough PA**. Cardiorespiratory fitness levels in obesity approximate those of heart failure patients: implications for exercise prescription. *Circulation* 2004;110(17)822A.
- A108) Knudsen CW, Clopton P, Klemsdal TO, Westheim A, Wu A, Abraham WT, Storrow AB, McCord JK, Nowak RM, **McCullough PA**, Omland T. Predictors of absence of heart failure in patients with elevated B-type natriuretic peptide levels. 2004;110(17)368A.
- A109) Daniels LB, Clopton P, Hollander JE, Guss D, **McCullough P**, Nowak R, Green G, Saltzberg M, Ellison SR, Bhalia MA, Bhalia V, Jesse R, Maisel A. Effect of ethnicity on likelihood of admission for heart failure. *J Am Coll Cardiol* 2005;45(3)168A.
- A110) **McCullough PA**, Brown WW, McGill JB, Collins AJ, Chen SC, Li S, Singh AK, Narva AS, Herman WH, Bakris GL, Jurkovitz CT, Norris KC, Pergola P, Klag MJ, for the KEEP Investigators. Independent components of chronic kidney disease as a cardiovascular risk factor; results from the Kidney Early Evaluation Program (KEEP). *J Am Coll Cardiol* 2005;45(3)424A.
- A111) **McCullough PA**, Klag MJ, McGill JB, Collins AJ, Chen SC, Li S, Singh AK, Narva AS, Herman WH, Bakris GL, Jurkovitz CT, Norris KC, Pergola P, Brown WW, for the KEEP Investigators. Age over 30 becomes a cardiovascular risk factor in patients screened for chronic kidney disease, results from the Kidney Early Evaluation Program (KEEP). *J Am Coll Cardiol* 2005;45(3)434A.
- A112) Daniels LB, Clopton P, Chiu A, McCord J, Hollander JE, Duc P, Omland T, Storrow AB, Wu AHB, Steg G, Westheim A, Knudsen CW, Hermann HC, **McCullough PA**, Maisel AS. Using B-type natriuretic peptide to diagnose heart failure in obese patients. *J Am Coll Cardiol* 2005;45(3)141A.

**Peter A. McCullough, M.D., M.P.H.**

- A113) Trivax JE, Gallagher MJ, Alexander DV, deJong AT, Kasturi G, Sandberg KR, Jafri SM, Krause KR, Chengelis DL, Moy J, Franklin BA, **McCullough PA**. Poor aerobic fitness predicts complications associated with bariatric surgery. *CHEST* 2005;128(4):282S.
- A114) Miller WM, Nori KE, Sandberg KR, Vial C, VanderLinden M, **McCullough PA**. Change in C-reactive protein levels with weight loss following gastric bypass surgery. *Circulation* 2005;111(14):P213.
- A115) Moy J, Gallagher M, de Jong A, Sandberg K, Trivax J, Alexander D, Kasturi G, Jafri S, Krause K, Chengelis D, Franklin B, **McCullough P**. Preoperative cardiopulmonary fitness predicts surgical complications after laparoscopic roux-en-Y gastric bypass surgery for morbid obesity. *Obesity Research* 2005;13, A14 (54-OR).
- A116) Nori Janosz K, Koenig K, Leff C, Miller W, **McCullough P**. How much weight needs to be lost to resolve type 2 diabetes? *Obesity Research* 2005;13, A59 (229-P).
- A117) Odom J, Ferrara M, **McCullough P**, Miller W. The effect of behavioral group attendance on weight loss while participating in an out-patient, hospital-based, meal replacement program. *Obesity Research* 2005;13, A144 (557-P).
- A118) Miller W, Veri S, Odom J, Lillystone M, Gibbs D, **McCullough P**. Effects of a short-term multidisciplinary program for childhood obesity. *Obesity Research* 2005;13, A84 (328-P).
- A119) Odom J, Ferrara M, **McCullough P**, Miller W. The effect of psychosocial factors on weight loss during an out-patient, hospital-based, meal replacement program. *Obesity Research* 2005;13, A69 (267-P).
- A120) Vanhecke TE, Miller WM, Franklin BA, Weber JE, **McCullough PA**. Differences in health awareness knowledge, environmental tobacco smoke exposure (ETS), and body-shape perception among adolescents based upon body mass index. *J Am Coll Cardiol* 2006;47(4):247A.
- A121) Duru K, Jurkovitz C, Narva A, McGill J, Bakris G, Chen SC, Lu S, Pergola P, **McCullough P**, Singh A, Klag M, Collins A, Brown W, Norris K. Racial and gender differences in hypertension control and chronic kidney disease: results from the Kidney Early Evaluation Program (KEEP). *NKF 2006 Spring Clinical Meetings*; 245: P101.
- A122) Conklin A, de Jong A, **McCullough PA**, Franklin B. Cardiorespiratory Fitness: Relation to Body Mass Index among the Morbidly Obese and Superobese. *Med Sci Sports Exerc.* 2006 May;38(5 Suppl):S84-5.
- A123) Miller WM, Khazaal N, Nori-Janosz K, Franklin B, Vial C, Kaitner R, **McCullough P**. Advantages of group treatment and exercise promoting short-term weight loss in obese adults. *Obesity* 2006;14(Suppl):A157.

Peter A. McCullough, M.D., M.P.H.

- A124) **McCullough PA.** Which Types and Which Amount of Physical Activities to Achieve and Maintain a Healthy Body Weight? 4<sup>th</sup> Metabolic Syndrome, Type II Diabetes, and Atherosclerosis Congress (MSDA), 2007, AL-18, p 23.
- A125) Vanhecke TE, **McCullough PA**, Trivax J, DeJong A, Franklin BA. Energy Expenditure, Epicardial Adipose Tissue and Cardiorespiratory Fitness in Morbidly Obese Adults: 2154: Board #67 June 1 8:00 AM - 9:30 AM. Med Sci Sports Exerc. 2007 May;39(5 Suppl):S385.
- A126) Miller WM, Veri S, Odom J, Lillystone M, Washington T, **McCullough PA**, Franklin BA. Dietary behaviors and knowledge among urban pre-adolescents: 1581: board #71 may 30 3:30 PM - 5:00 PM. Med Sci Sports Exerc. 2007 May;39(5 Suppl):S247.
- A127) DeJong AT, **McCullough P**, Franklin B. Use of VE/VCO<sub>2</sub> slope Corrected for Peak VO<sub>2</sub> as a Predictor of Post-Surgical Complications in Morbidly Obese Patients: 686: May 31 8:30 AM 8:45 AM. Med Sci Sports Exerc. 2007 May;39(5 Suppl):S40.
- A128) Zalesin KC, Krause KR, Chengelis DL, **McCullough PA.** Determinants of the Resolution of Type 2 Diabetes after Bariatric Surgery. American Society of Bariatric Surgery. Surgery for Obesity and Related Disorders 3(3):314; 2007.
- A129) Kadaj P, Vanhecke T, Barnes MA, Lazar MH, Gandhi M, **McCullough, PA.** Natriuretic peptide testing and APACHE II scores for the evaluation and prediction of outcome in acutely ill patients: a prospective cohort study. Chest 2007;132(4) 551S.
- A130) Agrawal V, Khan I, Rai B, Krause KR, Chengelis DL, Zalesin KC, Rocher LL, **McCullough PA.** Weight loss after bariatric surgery reduces albuminuria in obese adults with diabetes. J Am Soc Nephrol, Oct 2007; 18: 574A.
- A131) Agrawal V, Rai B, Khan I, Krause KR, Chengelis DL, Zalesin KC, Rocher LL, **McCullough PA.** Weight loss after bariatric surgery reduces albuminuria in obese adults. J Am Soc Nephrol, Oct 2007; 18: 767A.
- A132) O'Donoghue M, Sabatine M, Boden WE, Braunwald E, Cannon CP, Clayton TC, de Winter RJ, Fox KA, Lagerqvist B, **McCullough PA**, Murphy SA, Spacek R, Swahn E, Wallentin L, Windhausen F. The benefit of early invasive strategy in women versus men with non-ST-elevation acute coronary syndromes: a collaborative meta-analysis of randomized trials. Circulation 2007;116(16);II-383.
- A133) Boerrigter G, Costello-Boerrigter LC, Abraham WT, St. John Sutton, MG, Heublein D, Kruger KM, Hill MR, **McCullough PA**, Burnett JC. Cardiac resynchronization therapy with biventricular pacing improves renal function in heart failure patients with reduced glomerular filtration rate. Circulation 2007;116(16);II-405.

**Peter A. McCullough, M.D., M.P.H.**

- A134) Deliri H, Davis E, Hager CS, Welch CA, Malik FS, **McCullough PA**, Wagner GS, Carter WH. A prospective randomized trial of blood B-type natriuretic peptide levels informing management after elective coronary artery bypass surgery. *Circulation* 2007;116(16);II-683.
- A135) **McCullough PA**, Li S, Collins AJ, Chen SC, Jurkowitz CT, Norris KC, McFarlane S, Johnson B, Shlipak M, Obialo C, Brown WW, Vassalotti J, Bakris GL, for the KEEP Investigators. Chronic kidney disease and risk for premature cardiovascular disease. *Circulation* 2007;116(16);II-852.
- A136) **McCullough PA**, Leifer E, Ellis S, Rendall DS, Horwich T, Hill JA, Fonarow GC. Relationship between renal function and cardiopulmonary fitness in patients with systolic heart failure. *J Am Coll Cardiol* 2008;51(10)A52-53.
- A137) O'Donoghue, Boden WE, Cannon CP, Clayton TC, de Winter RJ, Fox KA, Lagerqvist B, **McCullough PA**, Murphy SA, Spacek R, Swahn E, Wallentin L, Windhausen F, Sabatine MS. The benefit of an invasive strategy in diabetic versus non-diabetic subjects with non-ST segment elevation acute coronary syndromes; a collaborative meta-analysis of randomized trials. *J Am Coll Cardiol* 2008;51(10)A216.
- A138) **McCullough PA**, Li S, Jurkowitz CT, Stevens LA, Wang C, Collins AJ, Chen SC, Norris KC, McFarlane S, Johnson B, Shlipak MG, Obialo CI, Brown WB, Vassalotti JA, Whaley-Connell AT, for the KEEP Investigators. Chronic kidney disease and cardiovascular disease in volunteer and randomly selected populations: KEEP and NHANES. *Am J Kidney Dis* 2008;51(4)B68.(Abstract #162)
- A139) McFarlane SI, Chen SC, Whaley-Connell A, Sowers J, Vassalotti JA, Salifu MO, Li S, Wang C, Bakris G, **McCullough PA**, Collins AJ, Norris K for the KEEP Investigators. Racial and gender differences in prevalence and predictors of anemia of chronic kidney disease: KEEP and NHANES 1999-2004. *Am J Kidney Dis* 2008;51(4)B68. (Abstract #163)
- A140) Pavey BS, Saab G, McFarlane SI, Sowers JR, Chen S, Li S, Vassalotti J, Collins AJ, Norris K, **McCullough PA**, Bakris G, Whaley-Connell A, for the KEEP Investigators. Prevalent components of cardiometabolic syndrome and cardiovascular disease from the Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis* 2008;51(4)B79. (Abstract #207)
- A141) Agrawal V, Vanhecke TE, Franklin BA, Zalesin KC, Sangal RB, Hakmeh B, deJong AT, **McCullough PA**. Albuminuria in obese adults is associated with hypertension and sleep disturbance. *Am J Kidney Dis* 2008;51(4)B29. (Abstract #5)
- A142) Vassalotti JA, Uribarri J, Chen SC, Li S, Wang C, Collins AJ, Calvo MS, Whaley-Connell A, Norris KC, **McCullough PA**, Andress DL, for the KEEP Investigators. Trends in mineral metabolism in the kidney early evaluation program (KEEP). *Am J Kidney Dis* 2008;51(4)B52. (Abstract #75)

**Peter A. McCullough, M.D., M.P.H.**

- A143) Agrawal V, Krause KR, Chengelis DL, Zalesin K, Rocher L, **McCullough PA**. Relation between degree of weight loss after bariatric surgery and reduction in high sensitivity C-reactive protein. *Surgery for Obesity and Related Diseases* 2008;3(4):324.(Abstract P33)
- A144) Odom J, Washington TL, Zalesin K, **McCullough PA**, Hakmeh B. Psychosocial trends related to weight regain after bariatric surgery. *Surgery for Obesity and Related Diseases* 2008;3(4):324.(Abstract BH-04)
- A145) **McCullough PA**. New insights on accelerated vascular calcification in patients with kidney disease. *J Heart Dis* 2008;(6):121 (Abstract 482).
- A146) Agrawal V, Ghoshi AK, Barnes MA, **McCullough PA**. Perception of indications for nephrology referral among internal medicine residents. A national online survey. *J Am Soc Neph* 2008;19:812-13A (SA-PO3091).
- A147) Agrawal V, Swami A, Al-Sabbagh M, Kosuri R, Samarapungavan D, **McCullough PA**. Contrast induced acute kidney injury in renal transplantation recipients undergoing cardiac catheterization. *J Am Soc Neph* 2008;19:986-87A (PUB766).
- A148) Agrawal V, Agarwal M, Barnes MA, Ghosh AK, **McCullough PA**. Internal medicine resident's knowledge of chronic kidney disease complications and management: a national survey. *NKF 2009 Spring Clinical Meetings*; 43: I22.
- A149) Li S, Chen SC, Vassaloti J, Norris K, **McCullough PA**, Bakris G, Collins A. Predictors of self-referred repeat CKD screening in the Kidney Early Evaluation Program (KEEP). *NKF 2009 Spring Clinical Meetings*; 48: I42.
- A150) Whaley-Connell, Sowers JR, **McCullough PA**, Roberts T, McFarlane SI, Chen SC, Li S, Wang C, Collins AJ, Bakris GL, and the Kidney Early Evaluation Program Investigators. Diabetes mellitus and CKD awareness: the Kidney Early Evaluation Program and the National Health and Nutrition and Examination Survey. *NKF 2009 Spring Clinical Meetings*; 52: I60.
- A151) Kalatizidis R, Li S, Wang C, Chen SC, **McCullough PA**, Bakris G. Hypertension in early-stage kidney disease: an update from the kidney early evaluation program. *NKF 2009 Spring Clinical Meetings*; 80: I170.
- A152) Agrawal V, Agarwal M, Samarapungavan D, **McCullough PA**. Long term outcomes of contrast induced acute kidney injury in renal transplant recipients. *NKF 2009 Spring Clinical Meetings*; 83: I184.
- A153) **McCullough PA**, Whaley-Connell A, Brown WW, Collins AJ, Chen SC, Li S, Norris KC, Johnson BC, Calhoun D, Jurkovitz C, McFarlane S, Obialo C, Shlipak M, Sowers J, Stevens L, Vassalotti JA, Bakris GL. Cardiovascular risk modification in chronic kidney disease patients with coronary

**Peter A. McCullough, M.D., M.P.H.**

disease: results from the Kidney Early Evaluation Program (KEEP). J Am Coll Cardiol 2009;53(10):A224.

- A154) Kosiborod M, **McCullough PA**, Rao S, Inzucchi SE, Maddox TM, Masoudi FA, Xiao L, Fiske S, Spertus JA. Hyperglycemia and risk of acute kidney injury after coronary angiography in patients hospitalized with acute myocardial infarction. J Am Coll Cardiol 2009;53(10):A382.
- A155) Miller WM, Veri S, **McCullough PA**, Franklin BA. Children improve nutritional knowledge, increase physical activity and reduce body mass through a multidisciplinary school intervention. Poster: 2009 American College of Sports Medicine Annual Meeting; 2009 May 27; Seattle, WA. Medicine and Science in Sports and Exercise 2009;41(5):S1543.
- A156) Zalesin, KC, Franklin BA, Lillystone M, Shamoun T, Krause K, Chengelis D, Mucci S, Shaheen KW, **McCullough PA**. Differential loss of fat and lean mass in the morbidly obese after bariatric surgery. Surgery for Obesity and Related Diseases 2009;5: S29 (poster) awarded Outstanding Poster Recognition
- A157) Miller WM, Franklin BA, Veri S, Maaz Y, Jameel J, **McCullough PA**. Is degree of obesity associated with childhood obesity treatment outcomes? Poster: The Obesity Society's Annual Scientific Meeting; 2009 Oct 26; Washington, DC. Obesity 2009;17(2):S184
- A158) Trivax JE, Franklin BA, Goldstein JA, Chinnaiyan KM, Gallagher MJ, deJong AT, Colar JM, Haines DE, **McCullough PA**. Acute cardiac effects of marathon running: evidence for right heart overload. Circulation 2009;120 (18): S513
- A159) Amin AP, Riley K, Spertus JS, Venkitachalam L, Stolker JM, **McCullough PA**, Masoudi FA, Jones PG, Kosiborod M. Trends in the prevalence of acute kidney injury in patients with acute myocardial infarction. J Am Coll Cardiol 2010;55 (10): A102 (1046-282)
- A160) Agrawal V, Garimella PS, Jaar BG, Plantinga L, Ye J, **McCullough PA**. Access to health care in adults evaluated for chronic kidney disease: findings from the Kidney Early Evaluation Program. NKF 2010 Spring Clinical Meetings, April 13-17, 2010, P35.
- A161) Bomback AS, Kshirsagar AV, Whaley-Connell AT, Chen SC, Li S, Klemmer PJ, **McCullough PA**, Bakris GL. Racial differences in kidney function among individuals with obesity and metabolic syndrome: results from the Kidney Early Evaluation Program (KEEP). NKF 2010 Spring Clinical Meetings, April 13-17, 2010, P45.
- A162) Saab G, Whaley-Connell A, Chen SC, Li S, Sowers JR, Norris K, Bakris G, **McCullough PA**. The association of serum phosphorus and pulse pressure in men and women with chronic kidney disease: data from the Kidney Early Evaluation Program. NKF 2010 Spring Clinical Meetings, April 13-17, 2010, P80.



Peter A. McCullough, M.D., M.P.H.

- A163) **McCullough PA**, Brown J, Weisbord S. The effects of iso-osmolar contrast media on contrast-induced acute kidney injury: a meta-analysis. *Cath Cardiovasc Interv* 2010;75(6):S78, B-034.
- A164) **McCullough PA**, Capasso P. Patient discomfort associated with the use of intravascular iodinated contrast media: a meta-analysis of comparative randomized trials. *Cath Cardiovasc Interv* 2010;75(6):S80, B-037.
- A165) Miller WM, Spring TJ, Zalesin KC, Kaeding K, deJong AT, **McCullough PA**, Franklin, BA. Resting metabolic rate is directly associated with cardiorespiratory fitness in the morbidly obese. Poster: AHA Annual Conference on Nutrition, Physical Activity and Metabolism; 2010 March 2; San Francisco, CA. *Circulation* 2010 March; Suppl. Page 114, Poster P75.
- A166) Miller WM, So NC, Zalesin KC, Spring TJ, Kaeding K, Krause K, Chengelis D, deJong AT, Franklin BA, **McCullough PA**. Low resting metabolic rate is associated with low cardiorespiratory fitness, low vitamin D and hyperuricemia in bariatric surgery patients. Poster P-41: 27<sup>th</sup> Annual Meeting of the American Society for Metabolic and Bariatric Surgery; 2010 June 24; Las Vegas, NV. *Surgery for Obesity and Related Diseases* 2010;6:S41.
- A167) Spring TJ, Franklin BA, **McCullough PA**, Miller W, Zalesin K, Kaeding K, deJong AT. Reduced resting oxygen consumption in the morbidly obese: Implications for exercise prescription. Poster: AHA Annual Conference on Nutrition, Physical Activity and Metabolism; 2010 March 2; San Francisco, CA. *Circulation* 2010 March; Suppl. Page 102, Poster P29.
- A168) Vanhecke TE, Franklin BA, Soman P, Lahiri A, Mieres JH, Sias T, Calnon D, Wolinsky D, Beller G, Burnham K, Conway L, Wight J, Walsh M, Daher E, Heller G, Udelson JE, **McCullough PA**. Influence of Myocardial Ischemia on Outcomes in Patients with Systolic Versus Non-Systolic Heart Failure. *Journal of the American College of Cardiology* Volume 57, Issue 14, Supplement, 5 April 2011, Page E2015. Best Fellow-in-Training Poster.
- A169) Babyev R, Whaley-Connell A, Kshirsaga AV, Navaneethan S, Chen SC, Li S, **McCullough PA**, Bakris GL, Bomback AS, for the KEEP Investigators. Race does not influence ESRD and mortality in obese patients with CKD stages 3-4: results from the Kidney Early Evaluation Program. NKF 2010 Spring Clinical Meetings, Las Vegas, NV, April 24-30, 2011, P55.
- A170) Bose S, Mehta NN, Chen SC, **McCullough PA**, for the KEEP Investigators. Poor glycemic control but not dyslipidemia is associated with albuminuria in patients with CKD and type 2 diabetes mellitus: a Kidney Early Evaluation Program report. NKF 2011 Spring Clinical Meetings, Las Vegas, NV, April 24-30, 2011, P56.
- A171) Whaley-Connell A, Saab G, Szpunar S, Stevens L, Shlipak M, Bomback A, Tamura MK, McFarlane S, Li S, Chen SC, Collins A, Norris K, Bakris G, **McCullough, PA**, for the KEEP Investigators. Disease state awareness, kidney disease, and relationship to ESRD and death. NKF 2011 Spring Clinical Meetings, Las Vegas, NV, April 24-30, 2011, P121.

**Peter A. McCullough, M.D., M.P.H.**

- A172) Shah A, Fried L, Chen SC, Qiu Y, Li S, Cavanaugh K, Norris KC, Whaley-Connell AT, **McCullough PA**, Mehrotra R. Associations between access to care and awareness of chronic kidney disease. NKF 2012 Spring Clinical Meetings, Washington, DC, May 9-13, 2012, P170.
- A173) Akrawinthawong K, Shaw M, Kachner J, Apostolov E, Basnakian A. Shah S, Tilak J, **McCullough PA**. Urine catalytic iron and neutrophil gelatinase associated lipocalin as companion early markers of acute kidney injury after cardiac surgery: a prospective pilot study. NKF 2013 Spring Clinical Meetings, Orlando, FL, April 3-5, 2013, P02. Am J Kidney Disease 2013;61(4):A1.
- A174) Mehrotra R, Chen SC, Kestenbaum B, Peralta C, Saab G, Sachs M, Shah A, Li S, Norris K, Whaley-Connell A. **McCullough PA**. Serum phosphorus and death or progression to end-stage renal disease in persons screened in the community for chronic kidney disease. NKF 2013 Spring Clinical Meetings, Orlando, FL, April 3-5, 2013, P149. Am J Kidney Disease 2013;61(4):A7.
- A175) Amin A, Chen SC, Kosiborod M, Whaley-Connell A, Li S, **McCullough PA**. Synergistic relationship between eGFR and microalbuminuria in predicting long-term progression to ESRD or death in patients with piabetes: results from KEEP. NKF 2013 Spring Clinical Meetings, Orlando, FL, April 3-5, 2013, P176. Am J Kidney Disease 2013;61(4):A8.
- A176) Jurkovitz C, Li S, Norris K, Saab G, Bomback A, Whaley-Connell A, **McCullough PA**. Association Between Lack of Health Insurance and Risk of Death and ESRD: Results from the Kidney Early Evaluation Program (KEEP). NKF 2013 Spring Clinical Meetings, Orlando, FL, April 3-5, 2013, P135. Am J Kidney Disease 2013;61(4):A6.
- A177) Larsen TR, Singh G, Velocci V, **McCullough PA**. Bioimpedence and fluid overload in patients admitted to the intensive care unit for sepsis syndromes. Blood Purif 2013;35:241.
- A178) Manatsathit W, Al-Hamid H, Gill B, Leelasinjaroen P, Hashmi U, Barawi M, **McCullough P**. Experience in the management of upper gastrointestinal bleeding and outcomes in patients taking dabigatran compared with warfarin: a retrospective, comparative study. Am J Gastroenterol 2013; 108:S464-S465.
- A179) Fried LF, Emanuele N, Hongyuan Zhang J, Brophy M, Conner T, Duckworth W, Leehey DJ, **McCullough PA**, O'Connor TZ, Palevsky PM, Reilly RF, Seliger SL, Warren S, Watnick S, Peduzzi P, Guarino P. Combined Angiotensin Inhibition for Treatment of Diabetic Nephropathy: VA Nephron-D Trial. HI-OR03 J Am Soc Nephrol 24: 2013.
- A180) Kumar N, **McCullough PA**. Epidemiology of Cardiovascular Mortality in Patients with Chronic Kidney Disease and End-Stage Renal Disease. SA-PO235 J Am Soc Nephrol 24: 2013.
- A181) Khan S, **McCullough PA**, Chawla LS, Beaver TM, Bennett Guerrero E, Wang D, Houser MT. M13-796 Study Design – A Phase 2b, Randomized, Double-Blind, Placebo-Controlled, Safety and

**Peter A. McCullough, M.D., M.P.H.**

Effi cacy Trial of Multiple Dosing Regimens of ABT-719 for Prevention of Acute Kidney Injury in Patients Undergoing High Risk Cardiac Surgeries. PUB013, J Am Soc Nephrol 24: 2013.

- A182) Larsen T, Kinni V, Zaks J, David S, **McCullough P**. A Lethal Case of Influenza and Type 5 Cardiorenal Syndrome. Crit Care Med 2013;41(12 Suppl.):1296.
- A183) Akrawinthawong K, Parker G, Stivers D, Cannon L, Dixon S, Ricci J, Kupfer K, Alexander P, David S, **McCullough PA**. Subclinical and clinical contrast-induced acute kidney injury: results from the ENCINO Study. Am J Kidney Dis 2014;63(5):A23
- A184) Palazzuoli A, Pellegrini M, Ruocco G, Martini G, Franci B, Campagna MS, Gillemann M, Nuti N, **McCullough PA**, Ronco C. Continuous versus bolus intermittent loop diuretic infusion in acutely decompensated heart failure: a prospective randomized trial. European Heart Journal 2014; 35:386; Suppl 1; Meeting Abstract: 2226; European Society of Cardiology Congress, Barcelona, Spain, 2014
- A185) Shin HJ, **McCullough PA**, Li S, Cho E, Rimm E, Rosner B, Manson JE, Hu FB. The Association Between Diet Quality After Diabetes Diagnosis and Major Cardiovascular Events in Women With Type 2 Diabetes Mellitus. Circulation. 2014;130:A17257
- A186) Oudiz R, Meyer C, Chin M, Feldman J, Goldsberry A, McConnell J, **McCullough P**, O'Grady M, Tapson V, Torres F, Waxman A, White R. Initial Data Report from "LARIAT": A Phase 2 Study of Bardoxolone Methyl in PAH Patients on Stable Background Therapy. Chest 2015;148(4\_MeetingAbstracts):639A. doi:10.1378/chest.2345856
- A187) **McCullough PA**, Spinowitz B. Novel Agents for the Prevention and Management of Hyperkalemia. Journal of Managed Care and Speciality Pharmacy, Supplement 21 (10-a), October 2015: E23.
- A188) Haase VH, Hartman CS, Maroni BJ, Farzaneh-Far R, **McCullough PA**. Vadadustat, a Novel Oral Treatment for Anemia of Chronic Kidney Disease, Maintains Stable Hemoglobin Levels in Dialysis Patients Converting from Erythropoiesis-Stimulating Agents. SA-PO1110 J Am Soc Nephrol 26: 2015.
- A189) Palazzuoli A, Ruocco G, Pellegrini M, Franci B, Campagna MS, Nuti R, Ronco C, **McCullough PA**. Impact of loop diuretic infusion modalities on congestion signs and outcomes in patients with acute heart failure. European Heart Journal 2015; 36:672, Suppl 1 Meeting Abstract: P3791; European Society of Cardiology Congress, London, UK 2015.
- A190) Haase V, Hartman C, Maroni B, Farzaneh-Far R, **McCullough P**. Vadadustat Maintains Stable Hemoglobin Levels in Dialysis Patients Converting from Erythropoiesis-Stimulating Agent (ESA). Poster 171. NKF Spring Clinical Meetings, 2016.

**Peter A. McCullough, M.D., M.P.H.**

- A191) Munkres AG, Vasudevan A, Shin HJ, Sarmast SA, **McCullough PA**. Abstract 212: Integration of Multiple Cardiac Biomarkers into a Disease-Specific Score: Relationship to Clinical Status and Therapeutic Intensity. *Circulation: Cardiovascular Quality and Outcomes*, March, 2016.
- A192) Tecson K, Silver M, Brune S, Cauthen C, Kwan M, Schussler J, Vasudevan A, Watts J, **McCullough PA**. Impact of Enhanced External Counterpulsation on Heart Failure Rehospitalization Among Patients with Ischemic Cardiomyopathy. *J Am Coll Cardiol*. 2016;67(13\_S):1545. doi:10.1016/S0735-1097(16)31546-7.
- A193) Prasad A, Morales J, Williams K, Sohn A, Levin D, Khan A, **McCullough P**, Mehran R, Bailey S. Contemporary Practice Patterns Related to the Risk of Acute Kidney Injury in the Catheterization Laboratory: Results from an International Survey of Society of Cardiovascular Angiography and Intervention (SCAI) Cardiologists. *Journal of the American College of Cardiology* Volume 67, Issue 13, Supplement, 5 April 2016, Page 322
- A194) Mazimba S, **McCullough P**, Rosner M, Mejia-Lopez E, Bilchick K. Changes in Renal Perfusion Pressure During Hemodynamically Guided Therapy is Associated with Worsening Renal Function. *Journal of the American College of Cardiology* Volume 69, Issue 11, Supplement, 21 March 2017, Page 768
- A195) Mazimba S, Welch T, **McCullough P**, Breathett K, Tallaj J, Bergin J, Kennedy J, Smith L, Abuannadi M, Bilchick B. Systemic Arterial Pulsatility Index (SAPI) Predicts Adverse Outcomes in Advanced Heart Failure Patients. *Journal of the American College of Cardiology* Volume 69, Issue 11, Supplement, 21 March 2017, Page 856
- A196) Vasudevan A, **McCullough PA**, Sathyamoorthy M, Schussler JM, Velasco CE, Lopez LR, Swift C, Schiffmann R, Bottiglieri T. Abstract 104: Urinary 11-Dehydro-Thromboxane B2 and Mortality in Patients with Stable Coronary Artery Disease. Scientific Poster Abstracts Selected for the 2016 Congress on Atherosclerotic Cardiovascular Disease Prevention, Sept. 16-18, 2016, Boca Raton, Florida., *Clin Cardiol*. 2016 Sep;39 Suppl 1:4-18. doi: 10.1002/clc.22597.
- A197) Tecson KM, Hamman BL, Choi JW, Garg P, Olugbode OA, Schussler JM, Stoler RC, Vasudevan A, Velasco CE, **McCullough PA**. Abstract 15609: The Effect of Contrast-Induced Acute Kidney Injury in High Risk Patients Undergoing Cardiac Surgery. *Circulation*. 2016;134(Suppl 1).
- A198) Ballantyne CM, **McCullough PA**, Sanganalmath SK, Koren A, Letierce A, Davidson MH. Safety and Efficacy of Alirocumab in Patients With Atherosclerotic Cardiovascular Disease, Based on Statin Intensity: Pooled Analyses of 5 Placebo-controlled Phase 3 Trials. *Circulation*. 2016;134:A16873.
- A199) Pergola PE, Spinowitz BS, **McCullough PA**, Singh B, Menoyo JA, Lavin PT, Rasmussen HS, Fishbane S. Effect of Sodium Zirconium Cyclosilicate Treatment for Hyperkalemia on Blood Pressure in a Long-Term Open-Label Phase 3 Study. *J Am Soc Nephrol* 27: 2016 (TH-PO478).

**Peter A. McCullough, M.D., M.P.H.**

- A200) Golestaneh L, Gaber AO, Kalim S, **McCullough PA**, Germain MJ. Neutrophil Gelatinase-Associated Lipocalin (NGAL) Correlates to AKI Stage in ICU Patients. J Am Soc Nephrol 27: 2016 (TH-PO643).
- A201) Kalim S, Gaber AO, Golestaneh L, Germain MJ, **McCullough PA**. Multi Center ICU Study Finds NGAL Increases Rate of AKI Detection. J Am Soc Nephrol 27: 2016 (TH-PO667).
- A202) Haase VH, Khawaja Z, Chan J, Zuraw Q, Farzaneh-Far R, Maroni BJ, **McCullough PA**. Vadadustat Maintains Hemoglobin (Hb) Levels in Dialysis-Dependent Chronic Kidney Disease (DD-CKD) Patients Independent of Systemic Inflammation or prior Dose of Erythropoiesis-Stimulating Agent (ESA). J Am Soc Nephrol 27: 2016 (TH-PO960).
- A203) Bottiglieri T, Vasudevan A, Lopez LR, Swift C, Schiffmann R, **McCullough P**. Increased F2-Isoprostane Oxidative Stress in Coronary Artery Disease (CAD) Patients with Poor Aspirin-Induced Thromboxane A2 Inhibition. 84th European Atherosclerosis Society (EAS) Congress, Innsbruck, Austria, May 29-June 1, 2016.
- A204) Winkelmayer W, Block G, Chertow G, Fishbane S, Komatsu Y, **McCullough P**, Pergola P, Rosenberger C, Williamson D, Yee J, Collins A, Khawaya Z, Sharma A, Zuraw Q, Maroni B. The INNO2VATE Phase 3 Program of Vadadustat for Treatment of Anemia in Dialysis-Dependent CKD: Rationale and Study Design. Poster 173. NKF Spring Clinical Meetings, 2017.
- A205) Lopez LR, Vasudevan A, Sathyamoorthy M, Schussler JM, Velasco C, Swift C, Schiffmann R, Bottiglieri T, **McCullough, PA**. Relationship of platelet thromboxane inhibition by aspirin and all-cause mortality in patients with stable coronary artery disease. 85<sup>th</sup> European Atherosclerosis Society (EAS) Congress, SAG007, pg 90, Prague, Czech Republic, April 24-26, 2017
- A206) Oudiz RJ, Meyer C, Chin M, Feldman J, Goldsberry A, McConnel JWI, **McCullough PA**, O'Grady M, Tapson VF, Torres F, Waxman A, White J. Results of Interim Analysis of the Efficacy and Safety of Bardoxolone Methyl in Patients with Pulmonary Arterial Hypertension Associated with Connective Tissue Disease (CTD) (The LARIAT Study) American Journal of Respiratory and Critical Care Medicine 2017;195:A6896 [http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2017.195.1\\_MeetingAbstracts.A6896](http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2017.195.1_MeetingAbstracts.A6896)
- A207) **McCullough PA**, Weir MR, deGoma EM, Zuraw Q, Sharma A, Luo W, Middleton J. Vadadustat does not prolong corrected QT interval in a thorough QTC study in healthy subjects. MP418. 54<sup>th</sup> ERA-EDTA Congress, Madrid, Spain, June 3-6, 2017. [www.era-edta2017.org](http://www.era-edta2017.org)
- A208) Meyer C, Warnock D, Chin M, Goldsberry A, **McCullough P**, O'Grady M, Toto R, Ward K, Block G, Pergola P. MP142 A Phase 2/3 Study of the Efficacy and Safety of Bardoxolone Methyl in Patients with Alport Syndrome. Nephrology Dialysis Transplantation, Volume 32, Issue suppl\_3, 1 May 2017, Pages iii480.

Peter A. McCullough, M.D., M.P.H.

- A209) **McCullough PA**, Uhlig K, Neylan JF, Fishbane S. Safety and Efficacy of Ferric Citrate in Patients with Nondialysis-Dependent Chronic Kidney Disease and Iron Deficiency Anemia: Post Hoc Analysis in Patients with or Without Heart Failure. *Journal of Cardiac Failure*, August 2017, Volume 23, Issue 8, Supplement, Pages S64–S65.
- A210) **McCullough PA**, David G, Todoran T, Brilakis ES, Ryan MP, Gunnarsson C. Iso-Osmolar Contrast Media and Adverse Renal and Cardiac Events after Percutaneous Cardiovascular Intervention. Poster accepted for presentation at ISPOR 20th Annual European Congress, November 4-8, 2017, Glasgow, Scotland, *Value in Health*, 2017.
- A211) Fried L, Emanuele N, Huang Y, Zhang JH, Palevsky PM, Johnson GR, Seliger SL, **McCullough PA**, Conner TA, Brophy M. ESRD and Mortality after VA NEPHRON-D. American Society of Nephrology Kidney Week 2017, November 1-5, 2017, New Orleans, LA, ABSTRACT: TH-PO717
- A212) Block GA, Pergola PE, Inker L, **McCullough PA**, Chin M, Meyer CH, Rheault MN, Kashtan C, Warnock DG. Initial Data Report from “CARDINAL”: A Phase 2/3 Study of Bardoxolone Methyl in Patients with Alport Syndrome. American Society of Nephrology Kidney Week 2017, November 1-5, 2017, New Orleans, LA, ABSTRACT: FR-PO1053
- A213) Fishbane S, Adler SH, Singh B, Lavin PT, **McCullough PA**, Kosiborod M, Pergola PE, Packham DK, Roger SD, Lerma EV, Butler J, Von haehling S, Spinowitz BS, Block GA. Maintained Efficacy and Safety of Sodium Zirconium Cyclosilicate for Hyperkalemia: 12-Month, Open-Label, Phase 3 Study, American Society of Nephrology Kidney Week 2017, November 1-5, 2017, New Orleans, LA, ABSTRACT: TH-PO1112
- A214) Packham DK, **McCullough PA**, Kosiborod M, Spinowitz BS, Fishbane S, Pergola PE, Lerma EV, Butler J, Von haehling S, Adler SH, Singh B, Lavin PT. Efficacy and Safety of Short-Term Treatment with Sodium Zirconium Cyclosilicate (ZS-9) for Hyperkalemia: Open-Label, Phase 3 Trial. American Society of Nephrology Kidney Week 2017, November 1-5, 2017, New Orleans, LA, ABSTRACT: FR-PO1074
- A215) **McCullough PA**, Pergola P, Fishbane S, von Haehling S, Roger S, Adler S, Singh B, Lavin P, Butler J, Block G, Lerma E, Packham D, Kosiborod M. Efficacy and Safety of Sodium Zirconium Cyclosilicate to Treat Hyperkalemia Among Patients Taking Renin–Angiotensin–Aldosterone System Inhibitors in a 12-Month, Open-Label, Phase 3 Study: A Post Hoc Subgroup Analysis. *Circulation*. 2017;136:A16610
- A216) Ambrosy AP, Mulder H, Coles A, Krauss WE, Lam CS, **McCullough PA**, Pina I, Tromp J, Whellan DJ, O’Connor C, Mentz RJ. Renal Function and Exercise Training in Ambulatory Heart Failure Patients With a Reduced Ejection Fraction - Findings From the HF-ACTION Randomized Controlled Trial. *Circulation*. 2017;136:A17039

Peter A. McCullough, M.D., M.P.H.

- A217) Tecson KM, Kluger AY, DiMario S, Harrison D, **McCullough PA**. Abstract 131: Recurrent acute cardiovascular events and statin use. *Circ: Cardiovasc Qual Outcomes*. 2018;11(Suppl 1):A131 LP – A131. [http://circoutcomes.ahajournals.org/content/11/Suppl\\_1/A131.abstract](http://circoutcomes.ahajournals.org/content/11/Suppl_1/A131.abstract).
- A218) Roger S, Lavin P, Lerma E, **McCullough PA**, Butler J, Spinowitz B, von Haehling S, Kosiborod M, Adler S, Fishbane S, Packham D. Safety and Efficacy of Sodium Zirconium Cyclosilicate for Long-Term Treatment of Hyperkalaemia in Patients with Chronic Kidney Disease: Results From an Open-Label, Phase 3 Study. FP071, 55th ERA-EDTA Congress, Copenhagen, Denmark, May 24-27, 2018
- A219) Rossing P, Block GA, Chertow GM, Chin M, Goldsberry A, **McCullough PA**, Meyer CJ, Packham D, Spinowitz B, Sprague SM, Warnock DG, Pergola PE. Effect of Bardoxolone Methyl Treatment on Urinary Albumin in Patients with Type 2 Diabetes and Chronic Kidney Disease – Post-Hoc Analysis from BEAM and BEACON. FP152, 55th ERA-EDTA Congress, Copenhagen, Denmark, May 24-27, 2018
- A220) Meyer CJ, Chakinala MM, Chin MP, Coyne DW, Feldman J, Goldsberry A, **McCullough PA**, O’Grady M, Torres F, Oudiz RJ, Ward K, White RJ. Two-Year Durability of Improvements In eGFR with Bardoxolone Methyl in Patients with Pulmonary Arterial Hypertension: The LARIAT Study. FP804, 55th ERA-EDTA Congress, Copenhagen, Denmark, May 24-27, 2018
- A221) Barker CM, Van Houten J, Mehta H, Cord D, Gunnarsson, Mollenkopf S, Verta P, **McCullough PA**. The Healthcare Burden of Disease Progression in Medicare Patients with Functional Mitral Regurgitation. *J Am Coll Cardiol* March 12, 2019, 73 (9 Supplement 1) 1051; DOI:10.1016/S0735-1097(19)31658-4
- A222) Cork DP, Mehta H, Barker CM, Verta P, Gunnarsson C, Ryan MP, Baker ER, Mollenkopf S, Van Houten J, **McCullough PA**. The Economic Impact of Mitral Regurgitation, on Medically Managed Incident Heart Failure. *J Am Coll Cardiol* March 12, 2019, 73 (9 Supplement 1) 1130; DOI:10.1016/S0735-1097(19)31737-1
- A223) Cork DP, Mehta H, Barker CM, Verta P, Ryan MP, Baker E, Gunnarsson C, Mollenkopf S, Van Houten J, **McCullough PA**. The Impact of Mitral Regurgitation on Mortality and Heart Failure Admissions in Newly Diagnosed Heart Failure. *J Am Coll Cardiol* March 12, 2019, 73 (9 Supplement 1) 1131; DOI:10.1016/S0735-1097(19)31738-3
- A224) **McCullough PA**, Cork DP, Mehta HS, Barker CM, Gunnarsson C, Ryan M, Mollenkopf S, Van Houten J, Verta P. Abstract 151: Therapeutic Intensity in Medically Managed Incident Heart Failure Patients with and without Mitral Regurgitation: A Claims Based Analysis. 4 Apr 2019 [https://doi.org/10.1161/hcq.12.suppl\\_1.151](https://doi.org/10.1161/hcq.12.suppl_1.151) *Circulation: Cardiovascular Quality and Outcomes*. 2019;12:A151
- A225) Van Houten J, Cork D, Mehta H, Barker C, Verta P, Gunnarsson C, Ryan MP, Baker ER, Mollenkopf S, **McCullough PA**. Therapeutic Intensity Algorithm is Associations with Annual

**Peter A. McCullough, M.D., M.P.H.**

Expenditures in Medically Managed Incident Heart Failure Patients with and without Mitral Regurgitation. ISPOR (The Professional Society for Health Economics and Outcomes Research) New Orleans, LA May 21, 2019 (top 10% award winner).

- A226) Barker C, Cork D, **McCullough P**, Mehta H, Van Houten J, Gunnarsson C, Mollenkopf S, Verta P. Survival in Clinically Significant Tricuspid Regurgitation Patients with and without Heart Failure: Evidence from Optum's Integrated Databases. *J Am Coll Cardiol* March 29, 2020, 71 (11 Supplement 1) 1319; DOI:10.1016/S0735-1097(20)31946-X, <https://www.jacc.org/doi/10.1016/S0735-1097%2820%2931946-X>
- A227) Mehta H, **McCullough P**, Cork D, Barker C, Van Houten J, Gunnarsson C, Mollenkopf S, Verta P. Medical Therapy in Patients with Functional Mitral Regurgitation: Are Patients Optimized in the Real World? *J Am Coll Cardiol* March 29, 2020, 71 (11 Supplement 1) 1322; DOI:10.1016/S0735-1097(20)31949-5. <https://www.jacc.org/doi/10.1016/S0735-1097%2820%2931949-5>
- A228) **McCullough PA**, Mehta H, Barker C, Van Houten J, Mollenkopf S, Gunnarsson C, Ryan M, Cork D. Mortality and Guideline Directed Medical Therapy in Heart Failure Patients with Reduced Ejection Fraction: Evidence from Real World Data. *J Am Coll Cardiol* May 15, 2021, 77 (18\_Supplement\_1) 670; DOI: 10.1016/S0735-1097(21)02029-5 <https://www.jacc.org/doi/full/10.1016/S0735-1097%2821%2902029-5>
- A229) Tecson KM, Kluger AY, Cassidy-Bushrow AE, Liu B, Coleman CM, Jones LK, Jefferson CR, VanWormer JJ, Xiang P, Habib M, Mues KE, **McCullough PA**. Early Statin Use and Recurrent Major Adverse Cardiovascular Events: A Multicenter Study. *Lipid Management Best Practices*. 2020;14(4): 561. Doi: 10.1016/j.jacl.2020.05.030
- A230) Bottiglieri T, Arning E, Tecson KM, **McCullough PA**. The Plasma Metabolome is Significantly Altered in Hypercholesterolemia. *Circ Res*. 2020;127(12): e272-e284. Doi: 10.1161/RES.0000000000000450
- A231) Hamadeh A, Aldujeli A, Briedis K, Tecson KM, Sanchez JS, Al Dujeli M, Al-Obeidi A, Diez-Gil JL, Zaliunas R, Stoler R, **McCullough PA**. TCT CONNECT-213 Clinical Characteristics and Outcomes of Patients With COVID-19 and STEMI Treated With Fibrinolytic Therapy. *J Am Coll Cardiol*. 2020;76(17):B89–90. doi: 10.1016/j.jacc.2020.09.228.
- A232) **McCullough PA**. (2021) Multifaceted Highly Targeted Sequential Multidrug Treatment of Early Ambulatory High-Risk SARS-CoV-2 Infection (COVID-19). *J Infect Dis Res*, 4(S1): 10.

#### **Peer-Reviewed Published Manuscripts**

- M1) **McCullough PA**, O'Neill WW. Influence of Regional Cardiovascular Mortality on the Use of Angiography after Acute Myocardial Infarction. *Am J Cardiol* 1997;79:575-80. PMID: 97221465.



**Peter A. McCullough, M.D., M.P.H.**

- M2) Stewart RE, Miller DD, Bowers TR, **McCullough PA**, Ponto RA, Grines CL, O'Neill WW, Juni JE, Safian RD. PET Perfusion and Vasodilator Function after Angioplasty for Acute Myocardial Infarction. *J Nuc Med* 1997;38:770-777. PMID: 97314102.
- M3) Aliabadi D, Pica MC, **McCullough PA**, Grines CL, Safian RD, O'Neill WW, Goldstein JA. Rapid Bedside Coronary Angiography with a Portable Fluoroscopic Imaging System. *Cathet Cardiovasc Diagn* 1997;41(4):449-455. PMID: 97403128.
- M4) **McCullough PA**, Wolyn R, Rocher LL, Levin RN, O'Neill WW. Acute Renal Failure after Coronary Intervention: Incidence, Risk Factors, and Relationship to Mortality. *Am J Med* 1997;103:368-375. PMID: 98041552.
- M5) Thompson RJ, **McCullough PA**, Kahn JK, O'Neill WW. Prediction of Death and Neurologic Outcome in the Emergency Department in Out-of-Hospital Cardiac Arrest Survivors. *Am J Cardiol* 1998;81:17-21. PMID: 98122431.
- M6) **McCullough PA**, Ayad O, O'Neill WW, Goldstein JA. Costs and Outcomes of Patients Admitted with Chest Pain and Essentially Normal Electrocardiograms. *Clin Cardiol* 1998;21:22-26. PMID: 98134803.
- M7) **McCullough PA**, Smith GS. Evaluation of Narrative Text for Case Finding: The Need for Accuracy Measurement. *Am J Ind Med* 1998;34:133-136. PMID: 98315422.
- M8) **McCullough PA**, Thompson RJ, Tobin KJ, Kahn JK, O'Neill WW. Validation of a Decision Support Tool for the Evaluation of Cardiac Arrest Victims. *Clin Cardiol* 1998;21:195-200. PMID: 98202866
- M9) **McCullough PA**, O'Neill WW, Graham M, Stomel RJ, Rogers F, David S, Farhat A, Kazlauskaitė R, Al-Zagoum M, Grines CL. A Prospective Randomized Trial of Triage Angiography in Acute Coronary Syndromes Ineligible for Thrombolytic Therapy: Results of the Medicine versus Angiography in Thrombolytic Exclusion (MATE) Trial. *J Am Coll Cardiol* 1998;32:596-605. PMID: 98412530.
- M10) Redle JD, Khurana S, Marzan R, **McCullough PA**, Stewart JR, Westveer DC, O'Neill WW, Bassett JS, Tepe NA, Frumin HI. Prophylactic Oral Amiodarone Compared to Placebo for Prevention of Atrial Fibrillation Following Coronary Artery Bypass Surgery. *Am Heart J* 1999;138:144-150. PMID: 10385778.
- M11) Stevens MA, **McCullough PA**, Tobin KJ, Speck JP, Westveer DC, Guido-Allen DA, Timmis GC, O'Neill WW. A Prospective Randomized Trial of Prevention Measures in Patients at High Risk for Contrast Nephropathy: Results of the P.R.I.N.C.E. Study. *J Am Coll Cardiol* 1999;33:403-411. PMID: 99137305.

**Peter A. McCullough, M.D., M.P.H.**

- M12) **McCullough PA**, O'Neill WW. Unstable Angina: Early Use of Coronary Angiography and Intervention. *Cardiol Clin* 1999;17(2):373-386. PMID: 10384833.
- M13) **McCullough PA**, Marks KR. Aspirin and Ticlopidine after Routine Coronary Stenting: The Gold Standard as of 1999. *J Thromb Thrombolysis* 1999;7:233-239. PMID: 10373716.
- M14) Sharma ND, **McCullough PA**, Philbin EF, Weaver WD. Left Ventricular Thrombus and Subsequent Thromboembolism in Patients with Severe Systolic Dysfunction. *Chest* 1999;117:314-320. PMID: 10669669.
- M15) **McCullough PA**, O'Neill WW, Graham M, Stomel RJ, Rogers F, David S, Farhat A, Kazlauskaitė R, Al-Zagoum M, Grines CL. Impaired Culprit Vessel Flow in Acute Coronary Syndromes Ineligible for Thrombolysis. *J Thromb Thrombolysis* 2001;10(3):247-253. PMID: 11122545.
- M16) **McCullough PA**, O'Neill WW, Graham M, Stomel RJ, Rogers F, David S, Farhat A, Kazlauskaitė R, Al-Zagoum M, Grines CL. A Time to Treatment Analysis in the Medicine versus Angiography in Thrombolytic Exclusion (MATE) Trial. *J Intervent Cardiol* 2001;14(4):415-422. PMID: 12053495.
- M17) **McCullough PA**, Soman SS, Shah SS, Smith ST, Marks KR, Yee J, Steven Borzak S. Risks Associated with Renal Dysfunction in Coronary Care Unit Patients. *J Am Coll Cardiol* 2000;36(3):679-684. PMID: 10987584.
- M18) Philbin EF, **McCullough PA**, Dec GW, DiSalvo TG. Length of Stay and Procedure Utilization are the Major Determinants of Hospital Charges for Heart Failure. *Clin Cardiol* 2001;24:56-62. PMID: 11195608.
- M19) Philbin EF, **McCullough PA**, DiSalvo TG, Dec GW, Jenkins PL, Weaver WD. Socioeconomic Status is an Important Determinant of Utilization of Invasive Procedures after Acute Myocardial Infarction in New York State. *Circulation* 2000;102[suppl III]:III107-115. PMID: 11082372
- M20) Stone GW, Tumlin JA, Madyoon H, Lepor NE, **McCullough PA**, Mathur VS, Murray PT, O'Neill WW. Design and Rationale of CONTRAST--A Prospective, Randomized, Placebo-Controlled Trial of Fenoldopam Mesylate for the Prevention of Radiocontrast Nephropathy. *Rev Cardiovasc Med*. 2001;2 Suppl 1:S31-6. PMID: 12439366.
- M21) Philbin EF, **McCullough PA**, DiSalvo TG, Dec GW, Jenkins PL, Weaver WD. Underuse of invasive procedures among Medicaid patients with acute myocardial infarction. *Am J Public Health*. 2001 Jul;91(7):1082-8. PMID: 11441735
- M22) Bonifacio D, Malineni K, Kadakia R, Soman S, Sandberg K, **McCullough PA**. Coronary Calcification and Interventional Outcomes in Dialysis Patients. *J Cardiovasc Risk* 2001;8(3):133-7. PMID 11455844

**Peter A. McCullough, M.D., M.P.H.**

- M23) Beattie JN, Soman SS, Sandberg KR, Yee J, Borzak S, **McCullough PA**. Determinants of Mortality after Myocardial Infarction in Patients with Advanced Renal Dysfunction. *Am J Kid Disease* 2001;37:1191-2000. PMID 11382688.
- M24) Cannon CP, Weintraub WS, Demopoulos LA, Vicari R, Frey MJ, Lakkis N, Neumann FJ, Robertson DH, DeLucca PT, DiBattiste PM, Gibson CM, Braunwald E; TACTICS (Treat Angina with Aggrastat and Determine Cost of Therapy with an Invasive or Conservative Strategy)--Thrombolysis in Myocardial Infarction 18 Investigators (**McCullough PA**, Endpoints Committee). Comparison of early invasive and conservative strategies in patients with unstable coronary syndromes treated with the glycoprotein IIb/IIIa inhibitor tirofiban. *N Engl J Med*. 2001 Jun 21;344(25):1879-87. PMID: 11419424
- M25) Shah SS, Noor H, Tokarski G, McCord J, Khoury N, McCabe KB, Marks KR, Morlock RJ, **McCullough PA**. Clinical Effectiveness Evaluation of an Emergency Department Clinical Decision Unit. *British Journal of Clinical Governance* 2001;6(1):40-45.
- M26) Cheitlin MD, Gerstenblith G, Hazzard WR, Pasternak R, Fried LP, Rich MW, Krumholz HM, Peterson E, Reves JG, McKay C, Saksena S, Shen WK, Akhtar M, Brass LM, Biller J. (**McCullough PA**, Heart Failure Subcommittee). AHA Conference Proceedings: Do existing databases hold the answers to clinical questions in geriatric cardiovascular disease and stroke? Executive Summary. Database Conference, January 27-30, 2000. *Circulation*. 2001 Aug 14;104(7):E39. PMID: 11502721.
- M27) McCord J, Nowak RM, **McCullough PA**, Foreback C, Borzak S, Tokarski G, Tomlanovich MC, Jacobsen G, Weaver WD. Ninety Minute Exclusion of Acute Myocardial Infarction Using Quantitative Point of Care Testing of Myoglobin and Troponin I. *Circulation* 2001; Sep 25;104(13):1483-8. PMID: 11571240.
- M28) **McCullough PA**, Manley HJ. Prediction and Prevention of Contrast Nephropathy. *J Interven Cardiol* 2001;14(5):547-558. PMID: 12053647.
- M29) **McCullough PA**, Philbin EF, Spertus JA, Kaatz S, Sandberg KR, Weaver WD. Confirmation of a Heart Failure Epidemic: Findings from the Resource Utilization Among Congestive Heart Failure (R.E.A.C.H.) Study. *J Am Coll Cardiol* 2002;39:60-69. PMID: 11755288.
- M30) Riaz K, Forker AD, Garg M, **McCullough PA**. Atypical presentation of cocaine-induced Type A aortic dissection: a diagnosis made by transesophageal echocardiography. *J Investig Med*. 2002 Mar;50(2):140-2. PMID 11928942.
- M31) Levin A, Stevens L, **McCullough PA**. Cardiovascular disease and the kidney. Tracking a killer in chronic kidney disease. *Postgraduate Medicine* 2002;11(4):53-60. PMID 11985133.
- M32) Ketterer MW, Denollet J, Goldberg AD, **McCullough PA**, John S, Farha AJ, Clark V, Keteyian S, Chapp J, Thayer B, Deveshwar S. The Big Mush: Psychometric Measures are Confounded and

**Peter A. McCullough, M.D., M.P.H.**

Nonindependent in Their Association with Age at Initial Diagnosis of Ischemic Coronary Heart Disease. *J Cardiovasc Risk* 2002;9:41-48. PMID 11984216.

- M33) Abraham WT, Fisher WG, Smith AL, Delurgio DB, Leon AR, Loh E, Kocovic DZ, Packer M, Clavell AL, Hayes DL, Ellestad M, Trupp RJ, Underwood J, Pickering F, Truex C, McAtee P, Messenger J; MIRACLE Study Group. Multicenter InSync Randomized Clinical Evaluation (**McCullough PA**, Site Principal Investigator). Cardiac resynchronization in chronic heart failure. *N Engl J Med*. 2002 Jun 13;346(24):1845-53. PMID 12063368.
- M34) **McCullough PA**. Outcomes studies and the biomedical research enterprise. *J Interv Cardiol*. 2002 Apr;15(2):167-70. PMID 12063813.
- M35) Shenkman HJ, Pampati V, Khandelwal AK, McKinnon J, Nori D, Kaatz S, Sandberg KR, **McCullough PA**. Congestive Heart Failure and QRS Duration: Establishing Prognosis Study. *Chest* 2002 Aug;122(2):528-34. PMID 12171827.
- M36) Soman SS, Sandberg KR, Borzak S, Hudson MP, Yee J, **McCullough PA**. The Independent Association of Renal Dysfunction and Arrhythmias in Critically Ill Patients. *Chest* 2002 Aug;122(2):669-77. PMID 12171849.
- M37) Maisel AS, Krishnaswamy P, Nowak RM, McCord J, Hollander JE, Duc P, Omland T, Storrow AB, Abraham WT, Wu AHB, Clopton P, **McCullough PA**, for the BNP Multinational Study Investigators. Bedside B-type Natriuretic Peptide in the Emergency Diagnosis of Heart Failure: Primary Results from the Breathing Not Properly (BNP) Multinational Study. *N Engl J Med*, 2002;347(3):161-167. PMID 12124404.
- M38) **McCullough PA**, Sullivan R. News and Views: Equipoise on Opening Chronic Total Occlusions. *J Interv Cardiol* 2002;15(3):243-247. PMID 12141153.
- M39) **McCullough PA**, Sandberg KR, Borzak S, Hudson MP, Garg M, Manley HJ. Benefits of aspirin and beta-blockade after myocardial infarction in patients with chronic kidney disease. *Am Heart J*. 2002 Aug;144(2):226-32. PMID 12177638.
- M40) **McCullough PA**, Nowak RM, McCord J, Hollander JE, Herrman HC, Steg PG, Duc P, Westheim A, Omland T, Wold Knudsen C, Storrow AB, Abraham WT, Lamba S, Wu AHB, Perez A, Clopton P, Krishnaswamy P, Kazanegra R, Maisel AS, for the BNP Multinational Study Investigators. B-type Natriuretic Peptide and Clinical Judgment in the Emergency Diagnosis of Heart Failure: An Analysis from the Breathing Not Properly (BNP) Multinational Study. *Circulation* 2002;106:416-422. PMID 12135939.
- M41) **McCullough PA**, Nowak RM, Foreback C, Borzak S, Tokarski G, Tomlanovich MC, Weaver WD, Sandberg KR, McCord J. Emergency evaluation of chest pain in patients with advanced kidney disease. *Arch Intern Med*. 2002 Nov 25;162(21):2464-8. PMID 12437406.

**Peter A. McCullough, M.D., M.P.H.**

- M42) Gutterez N, Diaz A, Timmis GC, O'Neill WW, Stevens MA, **McCullough PA**. Determinants of serum creatinine trajectory in acute contrast nephropathy. *J Interv Cardiol*. 2002 Oct;15(5):349-54. PMID: 12440177.
- M43) **McCullough PA**, Prakash R, Tobin KJ, O'Neill WW, Thompson RJ. Application of a cardiac arrest score in patients with sudden death and ST segment elevation for triage to angiography and intervention. *J Interv Cardiol*. 2002 Aug;15(4):257-61. PMID 12238419.
- M44) Reddy HK, Koshy SK, Sturek M, Jayam VK, Bedi A, **McCullough PA**. Rationale and methods for assessment of coronary flow prior to coronary intervention: where are we headed? *J Interv Cardiol*. 2002 Aug;15(4):335-41. PMID 12238433.
- M45) Sengstock D, Pasnoori V, Obaidat O, Mehra P, Marks KR, **McCullough PA**. Asthma, Beta-Agonists, and the Development of Congestive Heart Failure: Results of the A.B.C.H.F. Study. *J Card Failure*, 2002;8(4):232-238. PMID 12397571.
- M46) Sullivan R, **McCullough PA**. Shifting statins from clinic to critical care. *J Interv Cardiol*. 2002 Oct;15(5):431-4. PMID 12440192.
- M47) **McCullough PA**. Cardiorenal Risk: An Important Clinical Intersection. *Rev Cardiovasc Med*. 2002;3(2):71-76. PMID 12447150
- M48) **McCullough PA**, Nowak RM, Foreback C, Borzak S, Tokarski G, Tomlanovich MC, Khoury NE, Weaver WD, Sandberg KR, McCord J. Performance of Multiple Cardiac Biomarkers Measured in the Emergency Department in Patients with Chronic Kidney Disease and Chest Pain. *Acad Emerg Med*. 2002 Dec;9(12):1389-1396. PMID 12460842
- M49) **McCullough PA**. Scope of cardiovascular complications in patients with kidney disease. *Ethn Dis*. 2002 Fall;12(4):S3-44-8. PMID 12477154
- M50) Safley DM, **McCullough PA**. Antiphospholipid syndrome with renal artery embolism: case report. *Rev Cardiovasc Med*. 2002 Fall;3(4):192-201. PMID: 12556753
- M51) **McCullough PA**, Sandberg KR, Yee J, Hudson MP. Mortality benefit of angiotensin-converting enzyme inhibitors after cardiac events in patients with end-stage renal disease. *J Renin Angiotensin Aldosterone Syst*. 2002 Sep;3(3):188-91. PMID: 12563570
- M52) **McCullough PA**. Beyond serum creatinine: defining the patient with renal insufficiency and why? *Rev Cardiovasc Med* 2003;4(Suppl 1):S2-S6. PMID 12556731
- M53) Riaz K, Forker AD, Isley WL, Hamburg MS, **McCullough PA**. Hyperthyroidism: a curable cause of congestive heart failure-three case reports and a review of the literature. *Congest Heart Fail*. 2003 Jan-Feb;9(1):40-6. PMID 12556677

**Peter A. McCullough, M.D., M.P.H.**

- M54) **McCullough PA**, Philbin EF, Spertus JA, Sandberg KR, Sullivan RA, Kaatz S. Opportunities for improvement in the diagnosis and treatment of heart failure. Clin Cardiol. 2003 May;26(5):231-7. PMID 12769251
- M55) Maisel AS, DeMaria A, Krishnaswamy P, Nowak RM, McCord J, Hollander JE, Duc P, Omland T, Storrow AB, Abraham WT, Wu AHB, Clopton P, **McCullough PA**, for the BNP Multinational Study Investigators. Bedside B-Type natriuretic peptide in the emergency diagnosis of heart failure with reduced or preserved ejection fraction. Results from the Breathing Not Properly Multinational Study. J Am Coll Cardiol. 2003 Jun 4;41(11):2010-7. PMID 12798574
- M56) **McCullough PA**, Duc P, Omland T, McCord J, Nowak RM, Hollander JE, Herrmann HC, Steg PG, Westheim A, Knudsen CW, Storrow AB, Abraham WT, Lamba S, Wu AH, Perez A, Clopton P, Krishnaswamy P, Kazanegra R, Maisel AS; Breathing Not Properly Multinational Study Investigators. B-type natriuretic peptide and renal function in the diagnosis of heart failure: an analysis from the Breathing Not Properly Multinational Study. Am J Kidney Dis. 2003 Mar;41(3):571-9. PMID 12612980
- M57) **McCullough PA**, Hollander JE, Nowak RM, Storrow AB, Duc P, Omland T, McCord J, Herrmann HC, Steg PG, Westheim A, Knudsen CW, Abraham WT, Lamba S, Wu AHB, Perez A, Clopton P, Krishnaswamy P, Kazanegra R, Maisel AS, for the BNP Multinational Study Investigators. Uncovering Heart Failure in Patients with a History of Pulmonary Disease: Rationale for the Early Use of B-type Natriuretic Peptide in the Emergency Department. Acad Emerg Med. 2003 Mar;10(3):198-204. PMID 12615582
- M58) **McCullough PA**. Why is chronic kidney disease the "spoiler" for cardiovascular outcomes? J Am Coll Cardiol. 2003 Mar 5;41(5):725-8. PMID 12628713
- M59) Riaz K, **McCullough PA**. Fatal case of delayed repolarization due to cocaine abuse and global ischemia. Rev Cardiovasc Med. 2003 Winter;4(1):47-53. PMID 12684601
- M60) Safley DM, **McCullough PA**. The Emerging Role of Brain Natriuretic Peptide in the Management of Acute and Chronic Heart Failure in Outpatients. Heart Fail Monit. 2003;4(1):13-20. PMID 12808480
- M61) **McCullough PA**, Philbin EF, Spertus JA, Sandberg KR, Kaatz S. Angiotensin converting enzyme inhibitors and beta-blockers in African Americans with heart failure. Ethn Dis. 2003 Summer;13(3):331-6. PMID 12894957.
- M62) **McCullough PA**. Acute coronary syndromes in patients with renal failure. Curr Cardiol Rep. 2003 Jul;5(4):266-70. PMID 12801443
- M63) **McCullough PA**. B-type natriuretic peptides. A diagnostic breakthrough in heart failure. Minerva Cardioangiol. 2003 Apr;51(2):121-9. PMID 12783068

Peter A. McCullough, M.D., M.P.H.

- M64) Keeley EC, Kadakia R, Soman S, Borzak S, **McCullough PA**. Analysis of long-term survival after revascularization in patients with chronic kidney disease presenting with acute coronary syndromes. *Am J Cardiol*. 2003 Sep 1;92(5):509-14. PMID 12943868.
- M65) **McCullough PA**, Omland T, Maisel AS. B-type natriuretic peptides: a diagnostic breakthrough for clinicians. *Rev Cardiovasc Med*. 2003 Spring;4(2):72-80. PMID 12776016
- M66) **McCullough PA**, Abraham WT. Does Quality of Life Evidence Assist in the Selection of Patients for Resynchronization Therapy? *Card Electrophysiol Rev*. 2003 Jan;7(1):71-76. PMID 12766523
- M67) Chew DP, Bhatt DL, Kimball W, Henry TD, Berger P, **McCullough PA**, Feit F, Bittl JA, Lincoff AM. Bivalirudin provides increasing benefit with decreasing renal function: a meta-analysis of randomized trials. *Am J Cardiol*. 2003 Oct 15;92(8):919-23. PMID 14556866
- M68) Maisel AS, **McCullough PA**. Cardiac natriuretic peptides: a proteomic window to cardiac function and clinical management. *Rev Cardiovasc Med*. 2003;4 Suppl 4:S3-S12. PMID 14564223
- M69) **McCullough PA**, Sandberg KR. Sorting out the evidence on natriuretic peptides. *Rev Cardiovasc Med*. 2003;4 Suppl 4:S13-9. PMID 14564224
- M70) **McCullough PA**, Sandberg KR. B-type natriuretic peptide and renal disease. *Heart Fail Rev*. 2003 Oct;8(4):355-8. PMID 14574057
- M71) Keeley EC, **McCullough PA**. Coronary revascularization in patients with end-stage renal disease: risks, benefits, and optimal strategies. *Rev Cardiovasc Med*. 2003 Summer;4(3):125-30. PMID 12949440.
- M72) McCord J, Nowak RM, Hudson MP, **McCullough PA**, Tomlanovich MC, Jacobsen G, Tokarski G, Khoury N, Weaver WD. The prognostic significance of serial myoglobin, troponin I, and creatine kinase-MB measurements in patients evaluated in the emergency department for acute coronary syndrome. *Ann Emerg Med*. 2003 Sep;42(3):343-50. PMID 12944886.
- M73) Sarnak MJ, Levey AS, Schoolwerth AC, Coresh J, Cullerton B, Hamm LL, **McCullough PA**, Kasiske BL, Kelepouris E, Klag MJ, Parfrey P, Pfeffer M, Raij L, Spinosa DJ, Wilson PW; AHA Councils on Kidney in Cardiovascular Disease, High Blood Pressure Research, Clinical Cardiology, and Epidemiology and Prevention. Kidney disease as a risk factor for development of cardiovascular disease: a statement from the AHA Councils on Kidney in Cardiovascular Disease, High Blood Pressure Research, Clinical Cardiology, and Epidemiology and Prevention. *Circulation*. 2003 Oct 28;108(17):2154-69. PMID 14581387.

Peter A. McCullough, M.D., M.P.H.

- M74) Sarnak MJ, Levey AS, Schoolwerth AC, Coresh J, Culleton B, Hamm LL, **McCullough PA**, Kasiske BL, Kelepouris E, Klag MJ, Parfrey P, Pfeffer M, Raij L, Spinosa DJ, Wilson PW; AHA Councils on Kidney in Cardiovascular Disease, High Blood Pressure Research, Clinical Cardiology, and Epidemiology and Prevention. Kidney disease as a risk factor for development of cardiovascular disease: a statement from the AHA Councils on Kidney in Cardiovascular Disease, High Blood Pressure Research, Clinical Cardiology, and Epidemiology and Prevention. Hypertension. 2003 Nov;42(5):1050-65. PMID 14604997.
- M75) Stone GW, **McCullough PA**, Tumlin JA, Lepor NE, Madyoon H, Murray P, Wang A, Chu AA, Schaer GL, Stevens M, Wilensky RL, O'Neill WW; CONTRAST Investigators. Fenoldopam mesylate for the prevention of contrast-induced nephropathy: a randomized controlled trial. JAMA. 2003 Nov 5;290(17):2284-91. PMID 14600187.
- M76) Steg PG, Duc P, Joubin L, McCord J, Abraham WT, Hollander JE, Omland T, Baron G, Aumont MC, Mentre F, **McCullough PA**, Maisel AS. A comparison of bedside B-type natriuretic peptide versus echocardiographic determination of ejection fraction in the diagnosis of heart failure. J Am Coll Cardiol. 2003 Mar 19;41(6 Suppl B):337. PMID 14637402
- M77) Kernis SJ, Franklin BA, Sandberg KR, O'Neill WW, **McCullough PA**. Advantages of an early invasive approach in acute coronary syndromes. Am J Med. 2003 Dec 1;115(8):669-71. PMID 14656622
- M78) **McCullough PA**, Sandberg KR. Epidemiology of contrast-induced nephropathy. Rev Cardiovasc Med. 2003;4 Suppl 5:S3-9. PMID 14668704
- M79) Khanna A, **McCullough PA**. Malignant hypertension presenting as hemolysis, thrombocytopenia, and renal failure. Rev Cardiovasc Med. 2003 Fall;4(4):255-9. PMID 14674379
- M80) **McCullough PA**, Fonarow GC. B-type natriuretic peptide and multimarker approaches in cardiovascular medicine. Rev Cardiovasc Med. 2003;4 Suppl 4:S1-2. PMID 14703686
- M81) **McCullough PA**, Kuncheria J, Mathur VS. Diagnostic and therapeutic utility of B-type natriuretic peptide in patients with renal insufficiency and decompensated heart failure. Rev Cardiovasc Med. 2003;4 Suppl 7:S3-S12. PMID 14668695
- M82) Franklin BA, **McCullough PA**, Gordon S. Winter Storm Warning: Snow Removal May Be Hazardous to Your (Patient's) Health. Curr Sports Med Rep. 2004 Apr;3(2):59-61. PMID 14980132
- M83) Conaway DG, Sullivan RA, **McCullough PA**. Improved Symptoms, Physical Limitation, and Self-Efficacy After Resynchronization in a Patient with Heart Failure and a Prolonged QRS Duration. Rev Cardiovasc Med. 2004 Winter;5(1):53-7. PMID 15029112



Peter A. McCullough, M.D., M.P.H.

- M84) **McCullough PA**, Sandberg KR Chronic kidney disease and sudden death: strategies for prevention. *Blood Purif.* 2004;22(1):136-42. PMID 14732822
- M85) Knudsen, CW, Omland, T, Clopton P, Westheim, A, Abraham, WT, Storrow AB, J McCord, Nowak, RM, Steg, PG, Duc, P, **McCullough, PA**, Maisel, AS, for the BNP Multinational Study Investigators. Diagnostic Value of B-type Natriuretic Peptide and Chest Radiograph Findings in Patients with Acute Dyspnea. *Am J Med.* 2004 Mar 15;116(6):363-8. PMID 15006584
- M86) **McCullough PA**, Gibson CM, Dibattiste PM, Demopoulos LA, Murphy SA, Weintraub WS, Neumann FJ, Khanal S, Cannon CP; TACTICS-TIMI-18 INVESTIGATORS. Timing of Angiography and Revascularization in Acute Coronary Syndromes: *J Interv Cardiol.* 2004 Apr;17(2):81-86. PMID 15104769.
- M87) **McCullough PA**. B-type natriuretic peptide and its clinical implications in heart failure. *Am Heart Hosp J* 2004;2:26-33.
- M88) **McCullough PA**, Dorrell KA, Sandberg KR, Yerkey MW. Ximelagatran: a novel oral direct thrombin inhibitor for long-term anticoagulation. *Rev Cardiovasc Med.* 2004 Spring;5(2):99-103. PMID 15184843.
- M89) Maisel AS, Clopton P, Krishnaswamy P, Nowak RM, McCord J, Hollander JE, Duc P, Omland T, Storrow AB, Abraham WT, Wu AH, Steg G, Westheim A, Knudsen CW, Perez A, Kazanegra R, Bhalla V, Herrmann HC, Aumont MC, **McCullough PA**; BNP Multinational Study Investigators. Impact of age, race, and sex on the ability of B-type natriuretic peptide to aid in the emergency diagnosis of heart failure: results from the Breathing Not Properly (BNP) multinational study. *Am Heart J.* 2004 Jun;147(6):1078-84. PMID 15199359.
- M90) **McCullough PA**. Cardiovascular risk reduction and preservation of renal function in the early nephropathy patient. *Adv Chronic Kidney Dis.* 2004 Apr;11(2):184-91. PMID 15216489.
- M91) Yerkey MW, Kernis SJ, Franklin BA, Sandberg KR, **McCullough PA**. Renal dysfunction and acceleration of coronary disease. *Heart.* 2004 Aug;90(8):961-6. PMID 15253986
- M92) **McCullough PA**, Soman S. Cardiovascular calcification in patients with chronic renal failure: Are we on target with this risk factor? *Kidney Int.* 2004 Sep;66 Suppl 90:S18-24. PMID 15296503
- M93) **McCullough PA**, Sandberg KR, Dumler F, Yanez JE. Determinants of coronary vascular calcification in patients with chronic kidney disease and end-stage renal disease: a systematic review. *J Nephrol.* 2004 Mar-Apr;17(2):205-15. PMID 15293519
- M94) **McCullough PA**. Opportunities for improvement in the cardiovascular care of patients with end-stage renal disease. *Adv Chronic Kidney Dis.* 2004 Jul;11(3):294-303. PMID 15241743

**Peter A. McCullough, M.D., M.P.H.**

- M95) Dumler F, **McCullough PA**. Optimal dialysis for the end-stage renal disease patient with cardiovascular disease. *Adv Chronic Kidney Dis*. 2004 Jul;11(3):261-73. PMID 15241741
- M96) Keeley EC, **McCullough PA**. Coronary revascularization in patients with coronary artery disease and chronic kidney disease. *Adv Chronic Kidney Dis*. 2004 Jul;11(3):254-60. PMID 15241740
- M97) **McCullough PA**. Guest editorial: Cardiovascular care in end-stage renal disease. *Adv Chronic Kidney Dis*. 2004 Jul;11(3):245. PMID 15241738
- M98) **McCullough PA**, Bakris GL, Owen WF Jr, Klassen PS, Califf RM. Slowing the progression of diabetic nephropathy and its cardiovascular consequences. *Am Heart J*. 2004 Aug;148(2):243-51. PMID 15308993
- M99) Best PJ, Reddan DN, Berger PB, Szczech LA, **McCullough PA**, Califf RM. Cardiovascular disease and chronic kidney disease: insights and an update. *Am Heart J*. 2004 Aug;148(2):230-42. PMID 15308992
- M100) Bakris GL, Toto RD, **McCullough PA**. Rationale and design of a study comparing two fixed-dose combination regimens to reduce albuminuria in patients with type II diabetes and hypertension. *J Hum Hypertens*. 2004 Sep 30 PMID 15457206.
- M101) Wu AH, Omland T, Duc P, McCord J, Nowak RM, Hollander JE, Herrmann HC, Steg PG, Wold Knudsen C, Storrow AB, Abraham WT, Perez A, Kamin R, Clopton P, Maisel AS, **McCullough PA**. Breathing Not Properly Multinational Study Investigators. The effect of diabetes on B-type natriuretic peptide concentrations in patients with acute dyspnea: an analysis from the Breathing Not Properly Multinational Study. *Diabetes Care*. 2004 Oct;27(10):2398-404. PMID 15451907
- M102) **McCullough PA**, Franklin BA. Conventional risk factors and cardiac events--debunking an old myth about prevalence. *Rev Cardiovasc Med*. 2004 Summer;5(3):185-6. PMID 15346104
- M103) Maisel A, Hollander JE, Guss D, **McCullough P**, Nowak R, Green G, Saltzberg M, Ellison SR, Bhalla MA, Bhalla V, Clopton P, Jesse R; Rapid Emergency Department Heart Failure Outpatient Trial investigators. Primary results of the Rapid Emergency Department Heart Failure Outpatient Trial (REDHOT): a multicenter study of B-type natriuretic peptide levels, emergency department decision making, and outcomes in patients presenting with shortness of breath. *J Am Coll Cardiol*. 2004 Sep 15;44(6):1328-33. PMID 15364340
- M104) **McCullough PA**. Cardiovascular disease in chronic kidney disease from a cardiologist's perspective. *Curr Opin Nephrol Hypertens*. 2004 Nov;13(6):591-600. PMID: 15483448

**Peter A. McCullough, M.D., M.P.H.**

- M105) McCord J, Mundy BJ, Hudson MP, Maisel AS, Hollander JE, Abraham WT, Steg PG, Omland T, Knudsen CW, Sandberg KR, **McCullough PA**. Relationship between obesity and B-type natriuretic Peptide levels. *Arch Intern Med*. 2004 Nov 8;164(20):2247-52. PMID: 15534162
- M106) Wase A, Basit A, Nazir R, Jamal A, Shah S, Khan T, Mohiuddin I, White C, Saklayen M, **McCullough PA**. Impact of chronic kidney disease upon survival among implantable cardioverter-defibrillator recipients. *J Interv Card Electrophysiol*. 2004 Dec;11(3):199-204. PMID: 15548886
- M107) **McCullough PA**. B-type natriuretic peptide and its clinical implications in heart failure. *Am Heart Hosp J*. 2004 Winter;2(1):26-33. PMID: 15604836
- M108) Silver MA, Maisel A, Yancy CW, **McCullough PA**, Burnett JC Jr., Francis GS, Mehra MR, Peacock WF 4th, Fonarow G, Gibler WB, Morrow DA, Hollander J; BNP Consensus Panel. BNP Consensus Panel 2004: A clinical approach for the diagnostic, prognostic, screening, treatment monitoring, and therapeutic roles of natriuretic peptides in cardiovascular diseases. *Congest Heart Fail*. 2004 Sep-Oct;10(5 Suppl 3):1-30. PMID: 15604859
- M109) **McCullough PA**. Preface. Ximelagatran and oral direct thrombin inhibition. *Rev Cardiovasc Med*. 2004;5 Suppl 5:S1. PMID: 15619609
- M110) Prystowsky EN, **McCullough PA**. Introduction: the role of oral direct thrombin inhibitors in cardiovascular disease. *Rev Cardiovasc Med*. 2004;5 Suppl 5:S2-3. PMID: 15619611
- M111) **McCullough PA**. Clinical applications of B-type natriuretic peptide levels in the care of cardiovascular patients. *Minerva Cardioangiol*. 2004 Dec;52(6):479-89. PMID: 15729209
- M112) Safley DM, Awad A, Sullivan RA, Sandberg KR, Mourad I, Boulware M, Merhi W, **McCullough PA**. Changes in B-type natriuretic peptide levels in hemodialysis and the effect of depressed left ventricular function. *Adv Chronic Kidney Dis*. 2005 Jan;12(1):117-24. PMID: 15719344.
- M113) **McCullough PA**, Khandelwal AK, McKinnon JE, Shenkman HJ, Pampati V, Nori D, Sullivan RA, Sandberg KR, Kaatz S. Outcomes and prognostic factors of systolic as compared with diastolic heart failure in urban America. *Congest Heart Fail*. 2005 Jan-Feb;11(1):6-11. PMID: 15722664.
- M114) **McCullough PA**, Lepor NE. The deadly triangle of anemia, renal insufficiency, and cardiovascular disease: implications for prognosis and treatment. *Rev Cardiovasc Med*. 2005 Winter;6(1):1-10. PMID: 15741920
- M115) El-Achkar TM, Ohmit SE, **McCullough PA**, Crook ED, Brown WW, Grimm R, Bakris GL, Keane WF, Flack JM. Higher prevalence of anemia with diabetes mellitus in moderate kidney insufficiency: The Kidney Early Evaluation Program. *Kidney Int*. 2005 Apr;67(4):1483-8. PMID: 15780101

Peter A. McCullough, M.D., M.P.H.

- M116) **McCullough PA**, Soman SS. Contrast-induced nephropathy. Crit Care Clin. 2005 Apr;21(2):261-80. PMID: 15781162
- M117) **McCullough PA**. Evaluation and treatment of coronary artery disease in patients with end-stage renal disease. Kidney Int Suppl. 2005 Jun;(95):s51-8. PMID: 15882314
- M118) Knudsen CW, Clopton P, Westheim A, Klemsdal TO, Wu AH, Duc P, McCord J, Nowak RM, Hollander JE, Storrow AB, Abraham WT, **McCullough PA**, Maisel AS, Omland T. Predictors of elevated B-type natriuretic peptide concentrations in dyspneic patients without heart failure: an analysis from the breathing not properly multinational study. Ann Emerg Med. 2005 Jun;45(6):573-80. PMID: 15940086
- M119) Gallagher MJ, Franklin BA, Ehrman JK, Keteyian SJ, Brawner CA, deJong AT, **McCullough PA**. Comparative Impact of Morbid Obesity vs Heart Failure on Cardiorespiratory Fitness. Chest. 2005 Jun;127(6):2197-203. PMID: 15947337
- M120) Mehta SR, Cannon CP, Fox KA, Wallentin L, Boden WE, Spacek R, Widimsky P, **McCullough PA**, Hunt D, Braunwald E, Yusuf S. Routine vs selective invasive strategies in patients with acute coronary syndromes: a collaborative meta-analysis of randomized trials. JAMA. 2005 Jun 15;293(23):2908-17. PMID: 15956636
- M121) Merhi W, Dixon SR, O'Neill WW, Hanzel GS, **McCullough PA**. Percutaneous left ventricular assist device in acute myocardial infarction and cardiogenic shock. Rev Cardiovasc Med. 2005 Spring;6(2):118-23. PMID: 15976733
- M122) Gallagher MJ, **McCullough PA**. The role of B-type natriuretic peptide in the diagnosis and treatment of decompensated heart failure. Int J Geriatric Cardiol 2004; September 1(1):21-28.
- M123) **McCullough PA**, Hassan SA, Pallekonda V, Sandberg KR, Nori DB, Soman SS, Bhatt S, Hudson MP, Weaver WD. Bundle branch block patterns, age, renal dysfunction, and heart failure mortality. Int J Cardiol. 2005 Jul 10;102(2):303-8. PMID: 15982501
- M124) Steg PG, Joubin L, McCord J, Abraham WT, Hollander JE, Omland T, Mentre F, **McCullough PA**, Maisel AS. B-type natriuretic Peptide and echocardiographic determination of ejection fraction in the diagnosis of congestive heart failure in patients with acute dyspnea. Chest. 2005 Jul;128(1):21-9. PMID 16002911
- M125) Gallagher MJ, **McCullough PA**. The emerging role of natriuretic peptides in the diagnosis and treatment of decompensated heart failure. Curr Heart Fail Rep. 2004 Sep;1(3):129-35. PMID: 16036036
- M126) **McCullough PA**, Sandberg KR, Miller WM, Odom JS, Sloan KC, de Jong AT, Nori KE, Irving SD, Krause KR, Franklin BA. Substantial weight gain during adulthood: the road to bariatric surgery. Prev Cardiol. 2005 Summer;8(3):155-9. PMID 16034218

Peter A. McCullough, M.D., M.P.H.

- M127) Miller WM, Nori Janosz KE, Yanez J, **McCullough PA**. Effects of weight loss and pharmacotherapy on inflammatory markers of cardiovascular disease. *Expert Rev Cardiovasc Ther*. 2005 Jul;3(4):743-59. PMID 16076283
- M128) Nori Janosz KE, Miller WM, Odom J, Lillystone M, **McCullough PA**. Optimal diabetes management during medical weight loss for cardiovascular risk reduction. *Expert Rev Cardiovasc Ther*. 2005 Jul;3(4):761-75. PMID 16076284
- M129) **McCullough PA**, Berman AD. Percutaneous coronary interventions in the high-risk renal patient: strategies for renal protection and vascular protection. *Cardiol Clin*. 2005 Aug;23(3):299-310. PMID 16084279
- M130) Luther SA, **McCullough PA**, Havranek EP, Rumsfeld JS, Jones PG, Heidenreich PA, Peterson ED, Rathore SS, Krumholz HM, Weintraub WS, Spertus JA, Masoudi FA; for the Cardiovascular Outcomes Research Consortium. The Relationship Between B-type Natriuretic Peptide and Health Status in Patients With Heart Failure. *J Card Fail*. 2005 Aug;11(6):414-21. PMID 16105631
- M131) Knudsen CW, Omland T, Clopton P, Westheim A, Wu AH, Duc P, McCord J, Nowak RM, Hollander JE, Storrow AB, Abraham WT, **McCullough PA**, Maisel A. Impact of atrial fibrillation on the diagnostic performance of B-type natriuretic Peptide concentration in dyspneic patients an analysis from the breathing not properly multinational study. *J Am Coll Cardiol*. 2005 Sep 6;46(5):838-44. PMID 16139134
- M132) **McCullough PA**. Chronic angina: new medical options for treatment. *Rev Cardiovasc Med*. 2005 Summer;6(3):152-61. PMID 16195688
- M133) Spertus J, Peterson E, Conard MW, Heidenreich PA, Krumholz HM, Jones P, **McCullough PA**, Pina I, Tooley J, Weintraub WS, Rumsfeld JS; Cardiovascular Outcomes Research Consortium. Monitoring clinical changes in patients with heart failure: a comparison of methods. *Am Heart J*. 2005 Oct;150(4):707-15. PMID 16209970
- M134) **McCullough PA**. Effect of lipid modification on progression of coronary calcification. *J Am Soc Nephrol*. 2005 Nov;16 Suppl 2:S115-9. PMID 16251246
- M135) Wu AH, Omland T, Wold Knudsen C, McCord J, Nowak RM, Hollander JE, Duc P, Storrow AB, Abraham WT, Clopton P, Maisel AS, **McCullough PA**. For The Breathing Not Properly Multinational Study Investigators. Relationship of B-type natriuretic peptide and anemia in patients with and without heart failure: A substudy from the Breathing Not Properly (BNP) Multinational Study. *Am J Hematol*. 2005 Oct 24;80(3):174-180. PMID 16247751
- M136) Miller WM, Nori-Janosz KE, Lillystone M, Yanez J, **McCullough PA**. Obesity and lipids. *Curr Cardiol Rep*. 2005 Nov;7(6):465-70. PMID 16256017

**Peter A. McCullough, M.D., M.P.H.**

- M137) McCord J, Nowak RM, Jacobsen G, Sallach JA, Wu AH, Perez A, Omland T, Knudsen CW, Westheim A, Duc P, Steg PG, Hollander JE, Herrmann HC, Storrow AB, Abraham WT, Lamba S, **McCullough PA**, Maisel A. B-Type Natriuretic Peptide Levels in Patients in the Emergency Department with Possible Heart Failure and Previous Stable Angina Pectoris and/or Healed Myocardial Infarction. *Am J Cardiol*. 2005 Nov 15;96(10):1370-3. Epub 2005 Sep 23. PMID 16275180
- M138) Chinnaiyan KM, Alexander D, **McCullough PA**. Role of Angiotensin II in the Evolution of Diastolic Heart Failure. *J Clin Hypertens (Greenwich)*. 2005 Dec;7(12):740-7. PMID: 16330897
- M139) **McCullough PA**. Symposium: cardiovascular diseases and renal insufficiency. Introduction. *Int J Geriatric Cardiol* 2005; September 2005 2(3):130.
- M140) **McCullough PA**. Spectrum of cardiorenal disease. *Int J Geriatric Cardiol* 2005; September 2005 2(3):131-135.
- M141) **McCullough PA**, Lepor NE. Anemia: A Modifiable Risk Factor for Heart Disease. *Rev Cardiovasc Med*. 2005;6 Suppl. 3:1-3. PMID: 16340932
- M142) **McCullough PA**, Lepor NE. Piecing Together the Evidence on Anemia: The Link between Chronic Kidney Disease and Cardiovascular Disease. *Rev Cardiovasc Med*. 2005;6 Suppl. 3:4-12. PMID: 16340933
- M143) **McCullough PA**, Silver MA, Kennard ED, Kelsey SF, Michaels AD; IEPR Investigators. Impact of body mass index on outcomes of enhanced external counterpulsation therapy. *Am Heart J*. 2006 Jan;151(1):139. PMID: 16368306
- M144) Strunk A, Bhalla V, Clopton P, Nowak RM, McCord J, Hollander JE, Duc P, Storrow AB, Abraham WT, Wu AHB, Steg G, Perez A, Kazanegra R, Herrmann HC, Aumont MC, **McCullough PA**, Maisel A, for the BNP Multinational Study Investigators. Impact of the history of congestive heart failure on the utility of B-type natriuretic peptide in the emergency diagnosis of heart failure: Results from the Breathing Not Properly Multinational Study. *Am J Med* 119(1):69.e1-69.e11, 2006. PMID: 16431187
- M145) **McCullough P**. Outcomes of contrast-induced nephropathy: Experience in patients undergoing cardiovascular intervention. *Catheter Cardiovasc Interv*. 2006 Mar;67(3):335-43. PMID: 16489569.
- M146) **McCullough PA**, Mueller C, Yancy CW Jr. Overview of B-type natriuretic Peptide as a blood test. *Congest Heart Fail*. 2006 Mar-Apr;12(2):99-102. PMID: 16596044
- M147) **McCullough PA**. Ranolazine: Focusing on angina pectoris. *Drugs Today (Barc)*. 2006 Mar;42(3):177-83. PMID: 16628259

**Peter A. McCullough, M.D., M.P.H.**

- M148) Daniels LB, Clopton P, Bhalla V, Krishnaswamy P, Nowak RM, McCord J, Hollander JE, Duc P, Omland T, Storrow AB, Abraham WT, Wu AH, Steg PG, Westheim A, Knudsen CW, Perez A, Kazanegra R, Herrmann HC, **McCullough PA**, Maisel AS. How obesity affects the cut-points for B-type natriuretic peptide in the diagnosis of acute heart failure. Results from the Breathing Not Properly Multinational Study. *Am Heart J.* 2006 May;151(5):1006-12. PMID: 16644321
- M149) Brenden CK, Hollander JE, Guss D, **McCullough PA**, Nowak R, Green G, Saltzberg M, Ellison SR, Bhalla MA, Bhalla V, Clopton P, Jesse R, Maisel AS; REDHOT Investigators. Gray zone BNP levels in heart failure patients in the emergency department: results from the Rapid Emergency Department Heart Failure Outpatient Trial (REDHOT) multicenter study. *Am Heart J.* 2006 May;151(5):1013-8. PMID: 16644322
- M150) Daniels LB, Bhalla V, Clopton P, Hollander JE, Guss D, **McCullough PA**, Nowak R, Green G, Saltzberg M, Ellison SR, Bhalla MA, Jesse R, Maisel A. B-Type Natriuretic Peptide (BNP) Levels and Ethnic Disparities in Perceived Severity of Heart Failure Results From the Rapid Emergency Department Heart Failure Outpatient Trial (REDHOT) Multicenter Study of BNP Levels and Emergency Department Decision Making in Patients Presenting With Shortness of Breath. *J Card Fail.* 2006 May;12(4):281-5. PMID: 16679261
- M151) Hanzel GS, Downes M, **McCullough PA**. Editorial: Renal function after renal artery stenting. *J Geriatric Cardiol* 2005;2(4):196-197.
- M152) Foley RN, **McCullough PA**. Editorial: Anemia and left ventricular hypertrophy in non-dialysis chronic kidney disease. *J Geriatric Cardiol* 2005;2(4):195-196.
- M153) **McCullough PA**. Chronic kidney disease: tipping the scale to the benefit of angiotensin-converting enzyme inhibitors in patients with coronary artery disease. *Circulation.* 2006 Jul 4;114(1):6-7. PMID: 16818827
- M154) **McCullough PA**, Gallagher MJ, deJong AT, Sandberg KR, Trivax JE, Alexander D, Kasturi G, Jafri SM, Krause KR, Chengelis DL, Moy J, Franklin BA. Cardiorespiratory fitness and short-term complications after bariatric surgery. *Chest.* 2006 Aug;130(2):517-25. PMID: 16899853
- M155) Ochoa AB, DeJong A, Grayson D, Franklin B, **McCullough P**. Effect of enhanced external counterpulsation on resting oxygen uptake in patients having previous coronary revascularization and in healthy volunteers. *Am J Cardiol.* 2006 Sep 1;98(5):613-5. Epub 2006 Jun 30. PMID: 16923446
- M156) **McCullough PA**, Bertrand ME, Brinker JA, Stacul F. A meta-analysis of the renal safety of isosmolar iodixanol compared with low-osmolar contrast media. *J Am Coll Cardiol.* 2006 Aug 15;48(4):692-9. Epub 2006 Jul 24. PMID: 16904536

**Peter A. McCullough, M.D., M.P.H.**

- M157) **McCullough PA**, Wase A. Do implantable cardioverter-defibrillators improve survival in dialysis patients after cardiac arrest? *Nat Clin Pract Nephrol.* 2006 Feb;2(2):70-1. PMID: 16932394
- M158) **McCullough PA**, Stacul F, Davidson C, Becker CR, Adam A, Lameire N, Tumlin J; CIN Consensus Working Panel. Overview. *Am J Cardiol.* 2006 Sep 18;98(6S1):2-4. Epub 2006 Feb 13. PMID: 16949374.
- M159) **McCullough PA**, Adam A, Becker CR, Davidson C, Lameire N, Stacul F, Tumlin J; CIN Consensus Working Panel. Epidemiology and Prognostic Implications of Contrast-Induced Nephropathy. *Am J Cardiol.* 2006 Sep 18;98(6S1):5-13. Epub 2006 Feb 10. PMID: 16949375
- M160) Tumlin J, Stacul F, Adam A, Becker CR, Davidson C, Lameire N, **McCullough PA**; CIN Consensus Working Panel. Pathophysiology of Contrast-Induced Nephropathy. *Am J Cardiol.* 2006 Sep 18;98(6S1):14-20. Epub 2006 Feb 17. PMID: 16949376
- M161) Lameire N, Adam A, Becker CR, Davidson C, **McCullough PA**, Stacul F, Tumlin J; CIN Consensus Working Panel. Baseline Renal Function Screening. *Am J Cardiol.* 2006 Sep 18;98(6S1):21-26. Epub 2006 Feb 20. PMID: 16949377
- M162) **McCullough PA**, Adam A, Becker CR, Davidson C, Lameire N, Stacul F, Tumlin J; CIN Consensus Working Panel. Risk Prediction of Contrast-Induced Nephropathy. *Am J Cardiol.* 2006 Sep 18;98(6S1):27-36. Epub 2006 Feb 23. PMID: 16949378
- M163) Becker CR, Davidson C, Lameire N, **McCullough PA**, Stacul F, Tumlin J, Adam A; CIN Consensus Working Panel. High-Risk Situations and Procedures. *Am J Cardiol.* 2006 Sep 18;98(6S1):37-41. Epub 2006 Feb 20. PMID: 16949379
- M164) Davidson C, Stacul F, **McCullough PA**, Tumlin J, Adam A, Lameire N, Becker CR; CIN Consensus Working Panel. Contrast Medium Use. *Am J Cardiol.* 2006 Sep 18;98(6S1):42-58. Epub 2006 Mar 2. PMID: 16949380
- M165) Stacul F, Adam A, Becker CR, Davidson C, Lameire N, **McCullough PA**, Tumlin J; CIN Consensus Working Panel. Strategies to Reduce the Risk of Contrast-Induced Nephropathy. *Am J Cardiol.* 2006 Sep 18;98(6S1):59-77. Epub 2006 Mar 20. PMID: 16949381
- M166) Vanhecke TE, Miller WM, Franklin BA, Weber JE, **McCullough PA**. Awareness, knowledge, and perception of heart disease among adolescents. *Eur J Cardiovasc Prev Rehabil.* 2006 Oct;13(5):718-23. PMID: 17001210
- M167) Zalesin KC, **McCullough PA**. Bariatric surgery for morbid obesity: risks and benefits in chronic kidney disease patients. *Adv Chronic Kidney Dis.* 2006 Oct;13(4):403-17. PMID: 17045226



Peter A. McCullough, M.D., M.P.H.

- M168) Michaels AD, **McCullough PA**, Soran OZ, Lawson WE, Barsness GW, Henry TD, Linnemeier G, Ochoa A, Kelsey SF, Kennard ED, for the IEPR Investigators. Primer: practical approach to the selection of patients for and application of EECF. *Nature Clinical Practice Cardiovascular Medicine* 2006; 3: 623-632. PMID: 17063167
- M169) **McCullough PA**. Failure of beta-blockers in the reduction of perioperative events: where did we go wrong? *Am Heart J*. 2006 Nov;152(5):815-8. PMID: 17070139
- M170) **McCullough PA**. Renal safety of iodixanol. *Expert Rev Cardiovasc Ther*. 2006 Sep;4(5):655-61. PMID: 17081087
- M171) Vanhecke TE, Franklin BA, Lillystone MA, Sandberg KR, DeJong AT, Krause KR, Chengelis DL, **McCullough PA**. Caloric Expenditure in the Morbidly Obese Using Dual Energy X-ray Absorptiometry. *J Clin Densitom*. 2006 Oct-Dec;9(4):438-44. Epub 2006 Sep 28. PMID: 17097530
- M172) Conard MW, Haddock CK, Poston WS, Havranek E, **McCullough P**, Spertus J; Cardiovascular Outcomes Research Consortium. Impact of obesity on the health status of heart failure patients. *J Card Fail*. 2006 Dec;12(9):700-6. PMID: 17174231
- M173) **McCullough PA**, Stacul F, Becker CR, Adam A, Lameire N, Tumlin JA, Davidson CJ. Contrast-Induced Nephropathy (CIN) Consensus Working Panel: Executive Summary. *Rev Cardiovasc Med*. 2006 Fall;7(4):177-97. PMID: 17224862
- M174) Chinnaiyan KM, Alexander D, Maddens M, **McCullough PA**. Curriculum in cardiology: integrated diagnosis and management of diastolic heart failure. *Am Heart J*. 2007 Feb;153(2):189-200. PMID: 17239676
- M175) Vogel JA, Franklin BA, Zalesin KC, Trivax JE, Krause KR, Chengelis DL, **McCullough PA**. Reduction in predicted coronary heart disease risk after substantial weight reduction after bariatric surgery. *Am J Cardiol*. 2007 Jan 15;99(2):222-6. Epub 2006 Nov 16. PMID: 17223422
- M176) **McCullough PA**, Rocher LR. Statin therapy in renal disease: Harmful or protective. *Curr Atheroscler Rep*. 2007 Jan;9(1):18-24. PMID: 17169242
- M177) **McCullough PA**. [Cardiorenal intersection: crossroads to the future.] *Arq Bras Cardiol*. 2007 Jan;88(1):117-26. Portuguese Translation. PMID: 17364130
- M178) Mehta L, Devlin W, **McCullough PA**, O'Neill WW, Skelding KA, Stone GW, Boura JA, Grines CL. Impact of body mass index on outcomes after percutaneous coronary intervention in patients with acute myocardial infarction. *Am J Cardiol*. 2007 Apr 1;99(7):906-10. Epub 2007 Feb 12. PMID: 17398181

Peter A. McCullough, M.D., M.P.H.

- M179) **McCullough PA**. Kidney disease. Estimated glomerular filtration rate: why is it important? *Rev Cardiovasc Med*. 2007 Winter;8(1):46-9. PMID: 17401304
- M180) Lawson WE, Hui JC, Kennard ED, Soran O, **McCullough PA**, Kelsey SF; for the IEPR Investigators. Effect of enhanced external counterpulsation on medically refractory angina patients with erectile dysfunction. *Int J Clin Pract*. 2007 May;61(5):757-62. PMID: 17493089
- M181) **McCullough PA**, Jurkovitz CT, Pergola PE, McGill JB, Brown WW, Collins AJ, Chen SC, Li S, Singh A, Norris KC, Klag MJ, Bakris GL; for the KEEP Investigators. Independent Components of Chronic Kidney Disease as a Cardiovascular Risk State: Results From the Kidney Early Evaluation Program (KEEP). *Arch Intern Med*. 2007 Jun 11;167(11):1122-9. PMID: 17563019
- M182) **McCullough PA**. Coronary artery disease. *Clin J Am Soc Nephrol*. 2007 May;2(3):611-6. Epub 2007 Mar 21. PMID: 17699471
- M183) **McCullough PA**, Lepor NE. The rosiglitazone meta-analysis. *Rev Cardiovasc Med*. 2007 Spring;8(2):123-6. PMID: 17603430
- M184) **McCullough PA**, Henry TD, Kennard ED, Kelsey SF, Michaels AD; for the IEPR Investigators. Residual high-grade angina after enhanced external counterpulsation therapy. *Cardiovasc Revasc Med*. 2007 Jul-Sep;8(3):161-5. PMID: 17765644
- M185) Miller WM, Nori Janosz KE, Zalesin KC, **McCullough PA**. Nutraceutical meal replacements: more effective than all-food diets in the treatment of obesity. *Therapy* 2007, 4(5):623-639.
- M186) Zalesin KC, Miller WM, Nori Janosz KE, Yanez J, Krause K, Chengelis DL, **McCullough PA**. Controversies in vitamin D: deficiency and supplementation after Roux-en-Y gastric bypass surgery. *Therapy* 2007, 4(5):561-574.
- M187) Li S, Chen SC, Shlipak M, Bakris G, **McCullough PA**, Sowers J, Stevens L, Jurkovitz C, McFarlane S, Norris K, Vassalotti J, Klag MJ, Brown WW, Narva A, Calhoun D, Johnson B, Obialo C, Whaley-Connell A, Becker B, Collins AJ. Low birth weight is associated with chronic kidney disease only in men. *Kidney Int*. 2008 Mar;73(5):637-42. PMID: 18094674
- M188) Duru OK, Li S, Jurkovitz C, Bakris G, Brown W, Chen SC, Collins A, Klag M, **McCullough PA**, McGill J, Narva A, Pergola P, Singh A, Norris K. Race and Sex Differences in Hypertension Control in CKD: Results From the Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis*. 2008 Feb;51(2):192-8. PMID: 18215697
- M189) **McCullough PA**. Multimodality prevention of contrast-induced acute kidney injury. *Am J Kidney Dis*. 2008 Feb;51(2):169-72. PMID: 18215694
- M190) **McCullough PA**, Rocher LR. Statin therapy in renal disease: harmful or protective? *Curr Diab Rep*. 2007 Dec;7(6):467-73. PMID: 18255012

**Peter A. McCullough, M.D., M.P.H.**

- M191) Nori Janosz KE, Koenig Berris KA, Leff C, Miller WM, Yanez J, Myers S, Vial C, Vanderlinden M, Franklin BA, **McCullough PA**. Clinical resolution of type 2 diabetes with reduction in body mass index using meal replacement based weight loss. *Vascular Disease Prevention* vol.5, 17-23(2008).
- M192) Bellomo R, Auriemma S, Fabbri A, D'Onofrio A, Katz N, **McCullough PA**, Ricci Z, Shaw A, Ronco C. The pathophysiology of cardiac surgery-associated acute kidney injury (CSA-AKI). *Int J Artif Organs*. 2008 Feb;31(2):166-78. PMID: 18311733
- M193) Bakris GL, Toto RD, **McCullough PA**, Rocha R, Purkayastha D, Davis P; GUARD (Gauging Albuminuria Reduction With Lotrel in Diabetic Patients With Hypertension) Study Investigators. Effects of different ACE inhibitor combinations on albuminuria: results of the GUARD study. *Kidney Int*. 2008 Jun;73(11):1303-9. Epub 2008 Mar 19. PMID: 18354383
- M194) **McCullough PA**, Li S, Jurkovitz CT, Stevens LA, Wang C, Collins AJ, Chen SC, Norris KC, McFarlane SI, Johnson B, Shlipak MG, Obialo CI, Brown WW, Vassalotti JA, Whaley-Connell AT; Kidney Early Evaluation Program Investigators. CKD and cardiovascular disease in screened high-risk volunteer and general populations: the Kidney Early Evaluation Program (KEEP) and National Health and Nutrition Examination Survey (NHANES) 1999-2004. *Am J Kidney Dis*. 2008 Apr;51(4 Suppl 2):S38-45. PMID: 18359407
- M195) McFarlane SI, Chen SC, Whaley-Connell AT, Sowers JR, Vassalotti JA, Salifu MO, Li S, Wang C, Bakris G, **McCullough PA**, Collins AJ, Norris KC; Kidney Early Evaluation Program Investigators. Prevalence and associations of anemia of CKD: Kidney Early Evaluation Program (KEEP) and National Health and Nutrition Examination Survey (NHANES) 1999-2004. *Am J Kidney Dis*. 2008 Apr;51(4 Suppl 2):S46-55. PMID: 18359408
- M196) Vassalotti JA, Uribarri J, Chen SC, Li S, Wang C, Collins AJ, Calvo MS, Whaley-Connell AT, **McCullough PA**, Norris KC; Kidney Early Evaluation Program Investigators. Trends in mineral metabolism: Kidney Early Evaluation Program (KEEP) and the National Health and Nutrition Examination Survey (NHANES) 1999-2004. *Am J Kidney Dis*. 2008 Apr;51(4 Suppl 2):S56-68. PMID: 18359409
- M197) Whaley-Connell AT, Sowers JR, Stevens LA, McFarlane SI, Shlipak MG, Norris KC, Chen SC, Qiu Y, Wang C, Li S, Vassalotti JA, Collins AJ; **Kidney Early Evaluation Program Investigators**. CKD in the United States: Kidney Early Evaluation Program (KEEP) and National Health and Nutrition Examination Survey (NHANES) 1999-2004. *Am J Kidney Dis*. 2008 Apr;51(4 Suppl 2):S13-20. PMID: 18359403
- M198) Whaley-Connell AT, Sowers JR, McFarlane SI, Norris KC, Chen SC, Li S, Qiu Y, Wang C, Stevens LA, Vassalotti JA, Collins AJ; **Kidney Early Evaluation Program Investigators**. Diabetes mellitus in CKD: Kidney Early Evaluation Program (KEEP) and National Health and Nutrition Examination Survey (NHANES) 1999-2004. *Am J Kidney Dis*. 2008 Apr;51(4 Suppl 2):S21-9. PMID: 18359404

**Peter A. McCullough, M.D., M.P.H.**

- M199) **McCullough PA.** Acute kidney injury with iodinated contrast. Crit Care Med. 2008 Apr;36(4 Suppl):S204-11. PMID: 18382195
- M200) deJong AT, Gallagher MJ, Sandberg KR, Lillystone MA, Spring T, Franklin BA, **McCullough PA.** Peak oxygen consumption and the minute ventilation/carbon dioxide production relation slope in morbidly obese men and women: influence of subject effort and body mass index. Prev Cardiol. 2008 Spring;11(2):100-5. PMID: 18401238
- M201) **McCullough PA.** Contrast-induced acute kidney injury. J Am Coll Cardiol. 2008 Apr 15;51(15):1419-28. PMID: 18402894
- M202) Vanhecke TE, Gandhi M, **McCullough PA,** Lazar MH, Ravikrishnan KP, Kadaj P, Begle RL. Outcomes of patients considered for, but not admitted to, the intensive care unit. Crit Care Med. 2008 Mar;36(3):812-7. PMID: 18431268
- M203) Zalesin KC, Krause KR, Chengelis DL, **McCullough PA.** Determinants of resolution of type 2 diabetes after bariatric surgery. Vascular Disease Prevention 2008;5(2):75-80.
- M204) Miller W, Odom J, Veri S, Korponic S, Lillystone M, **McCullough PA.** Impact of short-term educational and behavioral therapy on childhood obesity. Vascular Disease Prevention 2008; 5(2):129-134.
- M205) Vanhecke TE, Franklin BA, Ajluni SC, Sangal RB, **McCullough PA.** Cardiorespiratory fitness and sleep-related breathing disorders. Expert Rev Cardiovasc Ther. 2008 Jun;6(5):745-58. PMID: 18510490
- M206) Gebreegziabher Y, **McCullough PA,** Bubb C, Loney-Hutchinson L, Makaryus JN, Anand N, Divakaran V, Akhrass P, Alam A, Gizycki H, McFarlane SI. Admission hyperglycemia and length of hospital stay in patients with diabetes and heart failure: a prospective cohort study. Congest Heart Fail. 2008 May-Jun;14(3):117-20. PMID: 18550921
- M207) O'Donoghue M, Boden WE, Braunwald E, Cannon CP, Clayton TC, de Winter RJ, Fox KA, Lagerqvist B, **McCullough PA,** Murphy SA, Spacek R, Swahn E, Wallentin L, Windhausen F, Sabatine MS. Early invasive vs conservative treatment strategies in women and men with unstable angina and non-ST-segment elevation myocardial infarction: a meta-analysis. JAMA. 2008 Jul 2;300(1):71-80. PMID: 18594042
- M208) Franklin BA, **McCullough PA.** The "Null Effect" of Low-Density Lipoprotein Cholesterol Lowering on a Modest Baseline Intima-Media Thickness: Lessons Learned From the ENHANCE Trial. Prev Cardiol. 2008 Summer;11(3):177-8.
- M209) Agrawal V, Kizilbash SH, **McCullough PA.** New therapeutic agents for diabetic kidney disease. Therapy. 2008 Jun;5(4):553-75.

Peter A. McCullough, M.D., M.P.H.

- M210) Vanhecke TE, Berman AD, **McCullough PA**. Body weight limitations of United States cardiac catheterization laboratories including restricted access for the morbidly obese. *Am J Cardiol*. 2008 Aug 1;102(3):285-6.
- M211) Saab G, Whaley-Connell AT, **McCullough PA**, Bakris GL. CKD awareness in the United States: the Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis*. 2008 Aug;52(2):382-3.
- M212) **McCullough PA**, Li S, Jurkovitz CT, Stevens L, Collins AJ, Chen SC, Norris KC, McFarlane S, Johnson B, Shlipak MG, Obialo CI, Brown WW, Vassaloti J, Whaley-Connell AT, Brenner RM, Bakris GL; KEEP Investigators. Chronic kidney disease, prevalence of premature cardiovascular disease, and relationship to short-term mortality. *Am Heart J*. 2008 Aug;156(2):277-83. Epub 2008 Jun 4. PMID: 18657657
- M213) **McCullough PA**, Lepor NE. Lipids, biomarkers, and noninvasive imaging of atherosclerotic disease activity in clinical trials. *Rev Cardiovasc Med*. 2008 Spring;9(2):142-9. PMID: 18660735
- M214) **McCullough PA**, Agrawal V, Danielewicz E, Abela GS. Accelerated Atherosclerotic Calcification and Mönckeberg's Sclerosis: A Continuum of Advanced Vascular Pathology in Chronic Kidney Disease. *Clin J Am Soc Nephrol*. 2008 Nov;3(6):1585-98. PMID: 18667741
- M215) Boerrigter G, Costello-Boerrigter LC, Abraham WT, Sutton MG, Heublein DM, Kruger KM, Hill MR, **McCullough PA**, Burnett JC Jr. Cardiac resynchronization therapy improves renal function in human heart failure with reduced glomerular filtration rate. *J Card Fail*. 2008 Sep;14(7):539-46. Epub 2008 May 27. PMID: 18722318
- M216) Zalesin KC, Franklin BA, Miller WM, Peterson ED, **McCullough PA**. Impact of obesity on cardiovascular disease. *Endocrinol Metab Clin North Am*. 2008 Sep;37(3):663-84. PMID: 18775358
- M217) Vanhecke TE, Franklin BA, Zalesin KC, Sangal RB, deJong AT, Agrawal V, **McCullough PA**. Cardiorespiratory fitness and obstructive sleep apnea syndrome in morbidly obese patients. *Chest*. 2008 Sep;134(3):539-45. PMID: 18779193
- M218) Madala MC, Franklin BA, Chen AY, Berman AD, Roe MT, Peterson ED, Ohman EM, Smith SC Jr, Gibler WB, **McCullough PA**; CRUSADE Investigators. Obesity and Age of First Non-ST-Segment Elevation Myocardial Infarction. *J Am Coll Cardiol*. 2008 Sep 16;52(12):979-985. PMID: 18786477
- M219) Agrawal V, Khan I, Rai B, Krause KR, Chengelis DL, Zalesin KC, Rocher LL, **McCullough PA**. The effect of weight loss after bariatric surgery on albuminuria. *Clin Nephrol*. 2008 Sep;70(3):194-202. PMID: 18793560

**Peter A. McCullough, M.D., M.P.H.**

- M220) Efstratiadis S, Kennard ED, Kelsey SF, Michaels AD; International EECF Patient Registry-2 Investigators. **(McCullough PA, site Principal Investigator)** Passive tobacco exposure may impair symptomatic improvement in patients with chronic angina undergoing enhanced external counterpulsation. *BMC Cardiovasc Disord.* 2008 Sep 17;8:23. PMID: 18798998
- M221) **McCullough PA.** Radiocontrast-induced acute kidney injury. *Nephron Physiol.* 2008;109(4):p61-72. Epub 2008 Sep 18. PMID: 18802377
- M222) **McCullough PA.** The impact of systemic calcified atherosclerosis in patients with chronic kidney disease. *Adv Chronic Kidney Dis.* 2008 Oct;15(4):335-7. PMID: 18805378
- M223) **McCullough PA,** Chinnaiyan KM, Agrawal V, Danielewicz E, Abela GS. Amplification of atherosclerotic calcification and Mönckeberg's sclerosis: a spectrum of the same disease process. *Adv Chronic Kidney Dis.* 2008 Oct;15(4):396-412. PMID: 18805386
- M224) Agrawal V, Krause KR, Chengelis DL, Zalesin KC, Rocher LL, **McCullough PA.** Relation between degree of weight loss after bariatric surgery and reduction in albuminuria and C-reactive protein. *Surg Obes Relat Dis.* 2009 Jan-Feb;5(1):20-6. Epub 2008 Aug 5. PMID: 18951068
- M225) Agrawal V, Ghosh AK, Barnes MA, **McCullough PA.** Awareness and Knowledge of Clinical Practice Guidelines for CKD among Internal Medicine Residents: A National Online Survey. *Am J Kidney Dis.* 2008 Dec;52(6):1061-9. Epub 2008 Oct 30. PMID: 18976845
- M226) Jamerson K, Weber MA, Bakris GL, Dahlöf B, Pitt B, Shi V, Hester A, Gupte J, Gatlin M, Velazquez EJ; ACCOMPLISH Trial Investigators. Benazepril plus amlodipine or hydrochlorothiazide for hypertension in high-risk patients. **(McCullough PA, Site Principal Investigator)** *N Engl J Med.* 2008 Dec 4;359(23):2417-28. PMID: 19052124
- M227) Flemmer M, Rajab H, Mathena T, Paulson J, Perkins S, Whelan T, Chiu R, **McCullough PA.** Blood B-type natriuretic peptide and dialysis: present assessment and future analyses. *South Med J.* 2008 Nov;101(11):1094-100. PMID: 19088516
- M228) Agrawal V, Ghosh AK, Barnes MA, **McCullough PA.** Perception of Indications for Nephrology Referral among Internal Medicine Residents: A National Online Survey *Clin J Am Soc Nephrol.* 2009 Feb;4(2):323-8. PMID: 19218472
- M229) Fried LF, Duckworth W, Zhang JH, O'Connor T, Brophy M, Emanuele N, Huang GD, **McCullough PA,** Palevsky PM, Seliger S, Warren SR, Peduzzi P; for VA NEPHRON-D Investigators. Design of Combination Angiotensin Receptor Blocker and Angiotensin-Converting Enzyme Inhibitor for Treatment of Diabetic Nephropathy (VA NEPHRON-D). *Clin J Am Soc Nephrol.* 2009 Feb;4(2):361-8. Epub 2008 Dec 31. PMID: 19118120

Peter A. McCullough, M.D., M.P.H.

- M230) Chinnaiyan KM, **McCullough PA**. Optimizing Outcomes in Coronary CT Imaging. Rev Cardiovasc Med. 2008 Fall;9(4):215-24. PMID: 19122579
- M231) Cardenas GA, Lavie CJ, Cardenas V, Milani RV, **McCullough PA**. The importance of recognizing and treating low levels of high-density lipoprotein cholesterol: a new era in atherosclerosis management. Rev Cardiovasc Med. 2008 Fall;9(4):239-58. PMID: 19122582
- M232) Chinnaiyan KM, **McCullough PA**, Flohr TG, Wegner JH, Raff GL. Improved noninvasive coronary angiography in morbidly obese patients with dual-source computed tomography. J Cardiovasc Comput Tomogr. 2008 Dec 3. PMID: 19136325
- M233) Soman P, Lahiri A, Mieres JH, Calnon DA, Wolinsky D, Beller GA, Sias T, Burnham K, Conway L, **McCullough PA**, Daher E, Walsh MN, Wight J, Heller GV, Udelson JE. Etiology and pathophysiology of new-onset heart failure: Evaluation by myocardial perfusion imaging. J Nucl Cardiol. 2009 Jan-Feb;16(1):82-91. Epub 2009 Jan 20. PMID: 19152132
- M234) Goldfarb S, **McCullough PA**, McDermott J, Gay SB. Contrast-induced acute kidney injury: specialty-specific protocols for interventional radiology, diagnostic computed tomography radiology, and interventional cardiology. Mayo Clin Proc. 2009 Feb;84(2):170-9. PMID: 19181651
- M235) **McCullough PA**. Treatment disparities in patients with acute coronary syndromes and kidney disease. Eur Heart J. 2009 Mar;30(5):526-7. PMID: 19201760
- M236) Agrawal V, Ghosh AK, Barnes MA, **McCullough PA**. Perception of indications for nephrology referral among internal medicine residents: a national online survey. Clin J Am Soc Nephrol. 2009 Feb;4(2):323-8. PMID: 19218472
- M237) **McCullough PA**, Chinnaiyan KM. Hazards of contrast-induced acute kidney injury in elderly women. Women's Health (Lond Engl). 2009 Mar;5(2):123-5. PMID: 19245350
- M238) Vanhecke TE, Franklin BA, Miller WM, deJong AT, Coleman CJ, **McCullough PA**. Cardiorespiratory fitness and sedentary lifestyle in the morbidly obese. Clin Cardiol. 2009 Mar;32(3):121-4. PMID: 19301295
- M239) Agrawal V, Marinescu V, Agarwal M, **McCullough PA**. Cardiovascular implications of proteinuria: an indicator of chronic kidney disease. Nat Rev Cardiol. 2009 Apr;6(4):301-11. PMID:19352334
- M240) O'Connor CM, Whellan DJ, Lee KL, Keteyian SJ, Cooper LS, Ellis SJ, Leifer ES, Kraus WE, Kitzman DW, Blumenthal JA, Rendall DS, Miller NH, Fleg JL, Schulman KA, McKelvie RS, Zannad F, Piña IL; HF-ACTION Investigators.(**McCullough PA** Site Principal Investigator) Efficacy and safety of exercise training in patients with chronic heart failure: HF-ACTION randomized controlled trial. JAMA. 2009 Apr 8;301(14):1439-50. PMID: 19351941

**Peter A. McCullough, M.D., M.P.H.**

- M241) Vanhecke TE, Franklin BA, Maciejko J, Chinnaiyan K, **McCullough PA**. Lipoproteins, inflammatory biomarkers, and cardiovascular imaging in the assessment of atherosclerotic disease activity. *Rev Cardiovasc Med*. 2009 Winter;10(1):51-8. PMID:19367236
- M242) Miller WM, Franklin BA, Nori Janosz KE, Vial C, Kaitner R, **McCullough PA**. Advantages of group treatment and structured exercise in promoting short-term weight loss and cardiovascular risk reduction in adults with central obesity. *Metab Syndr Relat Disord* 2009 May 18. PMID: 19450156
- M243) Agrawal V, Swami A, Kosuri R, Alsabbagh M, Agarwal M, Samarapungavan D, Rocher LL, **McCullough PA**. Contrast-induced acute kidney injury in renal transplant recipients after cardiac catheterization. *Clin Nephrol*. 2009 Jun;71(6):687-96. PMID: 19473638
- M244) Janosz KE, Zalesin KC, Miller WM, **McCullough PA**, Franklin BA. Impact of surgical and nonsurgical weight loss on diabetes resolution and cardiovascular risk reduction. *Curr Diab Rep*. 2009 Jun;9(3):223-8. PMID: 19490824
- M245) **McCullough PA**, Neyou A. Comprehensive Review of the Relative Clinical Utility of B-Type Natriuretic Peptide and N-Terminal Pro-B-Type Natriuretic Peptide Assays in Cardiovascular Disease. *Open Heart Failure Journal*, 2009, 2, 6-17.
- M246) Odom J, Zalesin KC, Washington TL, Miller WW, Hakmeh B, Zaremba DL, Altattan M, Balasubramaniam M, Gibbs DS, Krause KR, Chengelis DL, Franklin BA, **McCullough PA**. Behavioral Predictors of Weight Regain after Bariatric Surgery. *Obes Surg*. 2010 Mar;20(3):349-56 PMID: 19554382
- M247) **McCullough PA**, Agarwal M, Agrawal V. Review article: Risks of coronary artery calcification in chronic kidney disease: do the same rules apply? *Nephrology (Carlton)*. 2009 Jun;14(4):428-36. PMID: 19563385
- M248) Agrawal V, Shah A, Rice C, Franklin BA, **McCullough PA**. Impact of treating the metabolic syndrome on chronic kidney disease. *Nat Rev Nephrol*. 2009 Sep;5(9):520-8. Epub 2009 Jul 28. Review. PMID: 19636332
- M249) Moe SM, Drüeke TB, Block GA, Cannata-Andía JB, Elder G, Fukagawa M, Jorgetti V, Ketteler M, Langman CB, Levin A, MacLeod AM, McCann L, **McCullough PA**, Ott SM, Wang AY, Weisinger JR, Wheeler DC, Eckardt KU, Kasiske BL, Uhlig K, Moorthi R, Earley A, Persson R. Introduction and definition of CKD-MBD and the development of the guideline statements. *Kidney Int Suppl*. 2009 Aug;(113):S1-130. PMID: 19644521
- M250) **McCullough PA**. Darapladib and atherosclerotic plaque: should lipoprotein-associated phospholipase A2 be a therapeutic target? *Curr Atheroscler Rep*. 2009 Sep;11(5):334-7. PMID: 19664375



**Peter A. McCullough, M.D., M.P.H.**

- M251) Agrawal V, Vanhecke TE, Rai B, Franklin BA, Sangal RB, **McCullough PA**. Albuminuria and Renal Function in Obese Adults Evaluated for Obstructive Sleep Apnea. *Nephron Clin Pract*. 2009 Aug 12;113(3):c140-c147. PMID: 19672111
- M252) Agrawal V, Barnes MA, Ghosh AK, **McCullough PA**. Questionnaire instrument to assess knowledge of chronic kidney disease clinical practice guidelines among internal medicine residents. *J Eval Clin Pract*. 2009 Aug;15(4):733-8. PMID: 19674226
- M253) Franklin BA, **McCullough PA**. Cardiorespiratory fitness: an independent and additive marker of risk stratification and health outcomes. *Mayo Clin Proc*. 2009 Sep;84(9):776-9. PMID: 19720774
- M254) Lele S, Shah S, **McCullough PA**, Rajapurkar M. Serum catalytic iron as a novel biomarker of vascular injury in acute coronary syndromes. *EuroIntervention*. 2009 Aug;5(3):336-42. PMID: 19736158
- M255) **McCullough PA**, Hanzel GS. B-type natriuretic peptide and echocardiography in the surveillance of severe mitral regurgitation prior to valve surgery. *J Am Coll Cardiol*. 2009 Sep 15;54(12):1107-9. PMID: 19744621
- M256) Pahle AS, Sørli D, Omland T, Knudsen CW, Westheim A, Wu AH, Steg PG, McCord J, Nowak RM, Hollander JE, Storrow AB, Abraham WT, **McCullough PA**, Maisel A. Impact of systemic hypertension on the diagnostic performance of B-type natriuretic peptide in patients with acute dyspnea. *Am J Cardiol*. 2009 Oct 1;104(7):966-71. PMID: 19766765
- M257) **McCullough PA**. Commentary: contrast-induced nephropathy and long-term adverse events: cause and effect? *Nephrol Dial Transplant*. 2009 Dec;24(12):3578-9. Epub 2009 Sep 25. PMID: 19783600
- M258) Saab G, Whaley-Connell A, McFarlane SI, Li S, Chen SC, Sowers JR, **McCullough PA**, Bakris GL; Kidney Early Evaluation Program Investigators. Obesity is associated with increased parathyroid hormone levels independent of glomerular filtration rate in chronic kidney disease. *Metabolism*. 2009 Oct 1. PMID: 19800639
- M259) McMurray MD, Trivax JE, **McCullough PA**. Serum cystatin C, renal filtration function, and left ventricular remodeling. *Circ Heart Fail*. 2009 Mar;2(2):86-9. PMID: 19808322
- M260) Nori Janosz KE, Zalesin KC, Miller WM, **McCullough PA**. Treating type 2 diabetes: incretin mimetics and enhancers. *Ther Adv Cardiovasc Dis*. 2009 Oct;3(5):387-95. PMID: 19808944
- M261) Thakkar BV, Hirsch AT, Satran D, Bart BA, Barsness G, **McCullough PA**, Kennard ED, Kelsey SF, Henry TD. The efficacy and safety of enhanced external counterpulsation in patients with

Peter A. McCullough, M.D., M.P.H.

peripheral arterial disease. Vasc Med. 2010 Feb;15(1):15-20. Epub 2009 Oct 19. PMID: 19841026

- M262) Keteyian SJ, Isaac D, Thadani U, Roy BA, Bensimhon DR, McKelvie R, Russell SD, Hellkamp AS, Kraus WE; HF-ACTION Investigators (**McCullough PA** Site Investigator). Safety of symptom-limited cardiopulmonary exercise testing in patients with chronic heart failure due to severe left ventricular systolic dysfunction. Am Heart J. 2009 Oct;158(4 Suppl):S72-7. PMID: 19782792
- M263) Flynn KE, Lin L, Ellis SJ, Russell SD, Spertus JA, Whellan DJ, Piña IL, Fine LJ, Schulman KA, Weinfurt KP; HF-ACTION Investigators (**McCullough PA** Site Investigator). Outcomes, health policy, and managed care: relationships between patient-reported outcome measures and clinical measures in outpatients with heart failure. Am Heart J. 2009 Oct;158(4 Suppl):S64-71. PMID: 19782791
- M264) Forman DE, Clare R, Kitzman DW, Ellis SJ, Fleg JL, Chiara T, Fletcher G, Kraus WE; HF-ACTION Investigators (**McCullough PA**). Relationship of age and exercise performance in patients with heart failure: the HF-ACTION study. Am Heart J. 2009 Oct;158(4 Suppl):S6-S15. PMID: 19782790
- M265) Atchley AE, Kitzman DW, Whellan DJ, Iskandrian AE, Ellis SJ, Pagnanelli RA, Kao A, Abdul-Nour K, O'Connor CM, Ewald G, Kraus WE, Borges-Neto S; HF-ACTION Investigators (**McCullough PA**). Myocardial perfusion, function, and dyssynchrony in patients with heart failure: baseline results from the single-photon emission computed tomography imaging ancillary study of the Heart Failure and A Controlled Trial Investigating Outcomes of Exercise Training (HF-ACTION) Trial. Am Heart J. 2009 Oct;158(4 Suppl):S53-63. PMID: 19782789
- M266) Gardin JM, Leifer ES, Fleg JL, Whellan D, Kokkinos P, Leblanc MH, Wolfel E, Kitzman DW; HF-ACTION Investigators (**McCullough PA**). Relationship of Doppler-Echocardiographic left ventricular diastolic function to exercise performance in systolic heart failure: the HF-ACTION study. Am Heart J. 2009 Oct;158(4 Suppl):S45-52. PMID: 19782788
- M267) Felker GM, Whellan D, Kraus WE, Clare R, Zannad F, Donahue M, Adams K, McKelvie R, Piña IL, O'Connor CM; HF-ACTION Investigators (**McCullough PA**). N-terminal pro-brain natriuretic peptide and exercise capacity in chronic heart failure: data from the Heart Failure and a Controlled Trial Investigating Outcomes of Exercise Training (HF-ACTION) study. Am Heart J. 2009 Oct;158(4 Suppl):S37-44. PMID: 19782787
- M268) Horwich TB, Leifer ES, Brawner CA, Fitz-Gerald MB, Fonarow GC; HF-ACTION Investigators (**McCullough PA**). The relationship between body mass index and cardiopulmonary exercise testing in chronic systolic heart failure. Am Heart J. 2009 Oct;158(4 Suppl):S31-6. PMID: 19782786
- M269) Russell SD, Saval MA, Robbins JL, Ellestad MH, Gottlieb SS, Handberg EM, Zhou Y, Chandler B; HF-ACTION Investigators (**McCullough PA**). New York Heart Association functional class predicts

**Peter A. McCullough, M.D., M.P.H.**

exercise parameters in the current era. *Am Heart J.* 2009 Oct;158(4 Suppl):S24-30. PMID: 19782785

- M270) Piña IL, Kokkinos P, Kao A, Bittner V, Saval M, Clare B, Goldberg L, Johnson M, Swank A, Ventura H, Moe G, Fitz-Gerald M, Ellis SJ, Vest M, Cooper L, Whellan D; HF-ACTION Investigators (**McCullough PA**). Baseline differences in the HF-ACTION trial by sex. *Am Heart J.* 2009 Oct;158(4 Suppl):S16-23. PMID: 19782784
- M271) O'Connor CM, Whellan DJ; HF-ACTION Investigators (**McCullough PA**). Understanding heart failure through the HF-ACTION baseline characteristics. *Am Heart J.* 2009 Oct;158(4 Suppl):S1-5. PMID: 19782783
- M272) **McCullough PA**, Tumlin JA. Prostaglandin-Based Renal Protection Against Contrast-Induced Acute Kidney Injury. *Circulation.* 2009 Nov 3;120(18):1749-51. PMID: 19841295
- M273) **McCullough PA**, Khan M, James J. Serum cystatin C in the estimation of glomerular filtration on chronic Angiotensin-converting enzyme inhibitor therapy: an illustrative case report. *J Clin Hypertens (Greenwich).* 2009 Nov;11(11):651-5. PMID: 19878376
- M274) Agrawal V, Agarwal M, Ghosh AK, Barnes MA, **McCullough PA**. Identification and Management of Chronic Kidney Disease Complications by Internal Medicine Residents: A National Survey. *Am J Ther.* 2009 Nov 14. PMID: 19918169
- M275) Zalesin KC, Franklin BA, Lillystone MA, Shamoun T, Krause KR, Chengelis DL, Mucci SJ, Shaheen KW, **McCullough PA**. Differential Loss of Fat and Lean Mass in the Morbidly Obese after Bariatric Surgery. *Metab Syndr Relat Disord.* 2010 Feb;8(1):15-20. PMID: 19929598
- M276) Lubanski MS, **McCullough PA**. Kidney's role in hypertension. *Minerva Cardioangiol.* 2009 Dec;57(6):743-59. PMID: 19942846
- M277) Agrawal V, Rai B, Fellows J, **McCullough PA**. In-hospital outcomes with thrombolytic therapy in patients with renal dysfunction presenting with acute ischaemic stroke. *Nephrol Dial Transplant.* 2010 Apr;25(4):1150-7. Epub 2009 Nov 27. PMID: 19945951
- M278) **McCullough PA**, Chinnaiyan KM. Annual progression of coronary calcification in trials of preventive therapies: a systematic review. *Arch Intern Med.* 2009 Dec 14;169(22):2064-70. PMID: 20008688
- M279) Ronco C, **McCullough P**, Anker SD, Anand I, Aspromonte N, Bagshaw SM, Bellomo R, Berl T, Bobek I, Cruz DN, Daliento L, Davenport A, Haapio M, Hillege H, House AA, Katz N, Maisel A, Mankad S, Zanco P, Mebazaa A, Palazzuoli A, Ronco F, Shaw A, Sheinfeld G, Soni S, Vescovo G, Zamperetti N, Ponikowski P; for the Acute Dialysis Quality Initiative (ADQI) consensus group. Cardio-renal syndromes: report from the consensus conference of the Acute Dialysis Quality Initiative. *Eur Heart J.* 2010 Mar;31(6):703-11. Epub 2009 Dec 25. PMID: 20037146

**Peter A. McCullough, M.D., M.P.H.**

- M280) Whaley-Connell A, Pavey BS, **McCullough PA**, Saab G, Li S, McFarlane SI, Chen SC, Vassalotti JA, Collins AJ, Bakris G, Sowers JR; KEEP Investigators. Dysglycemia predicts cardiovascular and kidney disease in the Kidney Early Evaluation Program. *J Clin Hypertens (Greenwich)*. 2010 Jan;12(1):51-8. PMID: 20047632
- M281) **McCullough PA**, Whaley-Connell A, Brown WW, Collins AJ, Chen SC, Li S, Norris KC, Jurkovitz C, McFarlane S, Obialo C, Sowers J, Stevens L, Vassalotti JA, Bakris GL; on Behalf of the KEEP Investigators. Cardiovascular risk modification in participants with coronary disease screened by the Kidney Early Evaluation Program. *Intern Med J*. 2010 Dec;40(12):833-41. doi: 10.1111/j.1445-5994.2009.02158.x. PMID: 21199222
- M282) Vassalotti JA, Li S, **McCullough PA**, Bakris GL. Kidney Early Evaluation Program: A Community-Based Screening Approach to Address Disparities in Chronic Kidney Disease. *Semin Nephrol*. 2010 Jan;30(1):66-73. PMID: 20116650
- M283) Trivax JE, Franklin BA, Goldstein JA, Chinnaiyan KM, Gallagher MJ, Dejong AT, Colar JM, Haines DE, **McCullough PA**. Acute Cardiac Effects of Marathon Running. *J Appl Physiol*. 2010 May;108(5):1148-53. Epub 2010 Feb 11. PMID: 20150567
- M284) **McCullough PA**, Vassalotti JA, Collins AJ, Chen SC, Bakris GL. NKF's Kidney Early Evaluation Program (KEEP) annual data report 2009: executive summary. *Am J Kidney Dis*. 2010 Mar;55(3 Suppl 2):S1-3. PMID: 20172443
- M285) Stevens LA, Li S, Wang C, Huang C, Becker BN, Bombback AS, Brown WW, Burrows NR, Jurkovitz CT, McFarlane SI, Norris KC, Shlipak M, Whaley-Connell AT, Chen SC, Bakris GL, **McCullough PA**. Prevalence of CKD and comorbid illness in elderly patients in the United States: results from the Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis*. 2010 Mar;55(3 Suppl 2):S23-33. PMID: 20172445
- M286) Bombback AS, Kshirsagar AV, Whaley-Connell AT, Chen SC, Li S, Klemmer PJ, **McCullough PA**, Bakris GL. Racial differences in kidney function among individuals with obesity and metabolic syndrome: results from the Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis*. 2010 Mar;55(3 Suppl 2):S4-S14. PMID: 20172446
- M287) Bagshaw SM, Cruz DN, Aspromonte N, Daliento L, Ronco F, Sheinfeld G, Anker SD, Anand I, Bellomo R, Berl T, Bobek I, Davenport A, Haapio M, Hillege H, House A, Katz N, Maisel A, Mankad S, **McCullough P**, Mebazaa A, Palazzuoli A, Ponikowski P, Shaw A, Soni S, Vescovo G, Zamperetti N, Zanco P, Ronco C; for the Acute Dialysis Quality Initiative (ADQI) Consensus Group. Epidemiology of cardio-renal syndromes: workgroup statements from the 7th ADQI Consensus Conference. *Nephrol Dial Transplant*. 2010 May;25(5):1406-16. Epub 2010 Feb 25. PMID: 20185818
- M288) **McCullough PA**. Transplantation: Coronary angiography prior to renal transplantation. *Nat Rev Nephrol*. 2010 Mar;6(3):136-7. PMID: 20186230

Peter A. McCullough, M.D., M.P.H.

- M289) **McCullough PA**, Verrill TA. Cardiorenal interaction: appropriate treatment of cardiovascular risk factors to improve outcomes in chronic kidney disease. *Postgrad Med.* 2010 Mar;122(2):25-34.PMID: 20203453
- M290) Toth PP, **McCullough PA**, Wegner MS, Colley KJ. Lipoprotein-associated phospholipase A2: role in atherosclerosis and utility as a cardiovascular biomarker. *Expert Rev Cardiovasc Ther.* 2010 Mar;8(3):425-38.PMID: 20222820
- M291) Stolker JM, **McCullough PA**, Rao S, Inzucchi SE, Spertus JA, Maddox TM, Masoudi FA, Xiao L, Kosiborod M. Pre-procedural glucose levels and the risk for contrast-induced acute kidney injury in patients undergoing coronary angiography. *J Am Coll Cardiol.* 2010 Apr 6;55(14):1433-40.PMID: 20359592
- M292) House AA, Anand I, Bellomo R, Cruz D, Bobek I, Anker SD, Aspromonte N, Bagshaw S, Berl T, Daliento L, Davenport A, Haapio M, Hillege H, **McCullough P**, Katz N, Maisel A, Mankad S, Zanco P, Mebazaa A, Palazzuoli A, Ronco F, Shaw A, Sheinfeld G, Soni S, Vescovo G, Zamperetti N, Ponikowski P, Ronco C; for the Acute Dialysis Quality Initiative (ADQI) consensus group. Definition and classification of Cardio-Renal Syndromes: workgroup statements from the 7th ADQI Consensus Conference. *Nephrol Dial Transplant.* 2010 May;25(5):1416-20. Epub 2010 Mar 12. PMID: 20228069
- M293) Zalesin KC, Franklin, BA, Miller WL, Nori Janosz KE, Veri Silvia, Odom JO, **McCullough PA**. Preventing Weight Regain After Bariatric Surgery: An Overview of Lifestyle and Psychosocial Modulators. *American Journal of Lifestyle Medicine*, Vol. 4, No. 2, 113-120 (2010)  
DOI:10.1177/1559827609351227
- M294) **McCullough PA**, Haapio M, Mankad S, Zamperetti N, Massie B, Bellomo R, Berl T, Anker SD, Anand I, Aspromonte N, Bagshaw SM, Bobek I, Cruz DN, Daliento L, Davenport A, Hillege H, House AA, Katz N, Maisel A, Mebazaa A, Palazzuoli A, Ponikowski P, Ronco F, Shaw A, Sheinfeld G, Soni S, Vescovo G, Zanco P, Ronco C, Berl T; for the Acute Dialysis Quality Initiative (ADQI) Consensus Group. Prevention of cardio-renal syndromes: workgroup statements from the 7th ADQI Consensus Conference. *Nephrol Dial Transplant.* 2010 Jun;25(6):1777-84. Epub 2010 Apr 6. PMID: 20375030
- M295) Vanhecke TE, Kim R, Raheem SZ, **McCullough PA**. Myocardial ischemia in patients with diastolic dysfunction and heart failure. *Curr Cardiol Rep.* 2010 May;12(3):216-22.PMID: 20424964
- M296) Ronco C, **McCullough PA**, Anker SD, Anand I, Aspromonte N, Bagshaw SM, Bellomo R, Berl T, Bobek I, Cruz DN, Daliento L, Davenport A, Haapio M, Hillege H, House A, Katz NM, Maisel A, Mankad S, Zanco P, Mebazaa A, Palazzuoli A, Ronco F, Shaw A, Sheinfeld G, Soni S, Vescovo G, Zamperetti N, Ponikowski P. Cardiorenal Syndromes: An Executive Summary from the

**Peter A. McCullough, M.D., M.P.H.**

Consensus Conference of the Acute Dialysis Quality Initiative (ADQI). *Contrib Nephrol.* 2010;165:54-67. Epub 2010 Apr 20. PMID: 20427956

- M297) **McCullough PA.** Prevention of Cardiorenal Syndromes. *Contrib Nephrol.* 2010;165:101-111. Epub 2010 Apr 20. PMID: 20427960
- M298) Signori C, Zalesin KC, Franklin B, Miller WL, **McCullough PA.** Effect of Gastric Bypass on Vitamin D and Secondary Hyperparathyroidism. *Obes Surg.* 2010 Jul;20(7):949-52. PMID: 20443152
- M299) Davenport A, Anker SD, Mebazaa A, Palazzuoli A, Vescovo G, Bellomo R, Ponikowski P, Anand I, Aspromonte N, Bagshaw S, Berl T, Bobek I, Cruz DN, Daliento L, Haapio M, Hillege H, House A, Katz N, Maisel A, Mankad S, **McCullough P,** Ronco F, Shaw A, Sheinfeld G, Soni S, Zamperetti N, Zanco P, Ronco C; Acute Dialysis Quality Initiative (ADQI) consensus group. ADQI 7: the clinical management of the Cardio-Renal syndromes: work group statements from the 7th ADQI consensus conference. *Nephrol Dial Transplant.* 2010 Jul;25(7):2077-89. Epub 2010 May 20. PMID: 20494894
- M300) Szczech LA, Granger CB, Dasta JF, Amin A, Peacock WF, **McCullough PA,** Devlin JW, Weir MR, Katz JN, Anderson FA Jr, Wyman A, Varon J; for the Studying the Treatment of Acute Hypertension Investigators. Acute Kidney Injury and Cardiovascular Outcomes in Acute Severe Hypertension. *Circulation.* 2010 May 25;121(20):2183-91. Epub 2010 May 10. PMID: 20458014
- M301) Sica D, Oren RM, Gottwald MD, Mills RM; Scios 351 Investigators. (**McCullough PA,** Investigator) Natriuretic and neurohormonal responses to nesiritide, furosemide, and combined nesiritide and furosemide in patients with stable systolic dysfunction. *Clin Cardiol.* 2010 Jun;33(6):330-6. PMID: 20556802
- M302) Soriano-Co M, Vanhecke TE, Franklin BA, Sangal RB, Hakmeh B, **McCullough PA.** Increased central adiposity in morbidly obese patients with obstructive sleep apnoea. *Intern Med J.* 2011 Jul;41(7):560-6. PMID: 20546056
- M303) **McCullough PA,** Zerka M, Heimbach E, Musialczyk M, Spring T, deJong A, Jafri SS, Coleman C, Washington T, Raheem S, Vanhecke T, Zalesin KC. Audiocardiography in the cardiovascular evaluation of the morbidly obese. *Clin Physiol Funct Imaging.* 2010 Sep;30(5):369-74. PMID: 20618361
- M304) **McCullough PA,** Verrill T. Lessons learned from acute myocardial infarction in patients with chronic kidney disease. *J Intern Med.* 2010 Jul;268(1):38-9. No abstract available. PMID: 20642644
- M305) **McCullough PA,** Franklin BA, Leifer E, Fonarow GC. Impact of Reduced Kidney Function on Cardiopulmonary Fitness in Patients with Systolic Heart Failure. *Am J Nephrol.* 2010 Jul 22;32(3):226-233. PMID: 20664198

**Peter A. McCullough, M.D., M.P.H.**

- M306) Warnock DG, Muntner P, **McCullough PA**, Zhang X, McClure LA, Zakai N, Cushman M, Newsome BB, Kewalramani R, Steffes MW, Howard G, McClellan WM; REGARDS Investigators. Kidney Function, Albuminuria, and All-Cause Mortality in the REGARDS (Reasons for Geographic and Racial Differences in Stroke) Study. *Am J Kidney Dis.* 2010 Nov;56(5):861-71. Epub 2010 Aug 8. PMID: 20692752
- M307) **McCullough PA**. Editorial: Contrast-Induced Acute Kidney Injury: Shifting from Elective to Urgent Coronary Intervention. *J Interv Cardiol.* 2010 Oct;23(5):467-9. doi: 10.1111/j.1540-8183.2010.00589.x. Epub 2010 Aug 19. PMID: 20731756
- M308) Bomback AS, Rekhtman Y, Whaley-Connell AT, Kshirsagar AV, Sowers JR, Chen SC, Li S, Chinnaiyan KM, Bakris GL, **McCullough PA**. Gestational diabetes alone, in the absence of subsequent diabetes, is associated with microalbuminuria: results from the Kidney Early Evaluation Program (KEEP). *Diabetes Care.* 2010 Dec;33(12):2586-91. Epub 2010 Aug 31. PMID: 20807871
- M309) Neyou A, O'Neil B, Berman AD, Boura JA, **McCullough PA**. Determinants of markedly increased B-type natriuretic peptide in patients with ST-segment elevation myocardial infarction. *Am J Emerg Med.* 2011 Feb;29(2):141-7. Epub 2010 Mar 25. PMID: 20825778
- M310) **McCullough PA**. Integration of the clinical laboratory in cardiovascular medicine. *Rev Cardiovasc Med.* 2010;11 Suppl 2:S1-2. PMID: 20700097
- M311) Lepor NE, **McCullough PA**. Differential diagnosis and overlap of acute chest discomfort and dyspnea in the emergency department. *Rev Cardiovasc Med.* 2010;11 Suppl 2:S13-23. PMID: 20700098
- M312) de Lemos JA, Peacock WF, **McCullough PA**. Natriuretic peptides in the prognosis and management of acute coronary syndromes. *Rev Cardiovasc Med.* 2010;11 Suppl 2:S24-34. PMID: 20700099
- M313) **McCullough PA**, Peacock WF, O'Neil B, de Lemos JA. Capturing the pathophysiology of acute coronary syndromes with circulating biomarkers. *Rev Cardiovasc Med.* 2010;11 Suppl 2:S3-12. PMID: 20700100
- M314) **McCullough PA**, Peacock WF, O'Neil B, de Lemos JA, Lepor NE, Berkowitz R. An evidence-based algorithm for the use of B-type natriuretic testing in acute coronary syndromes. *Rev Cardiovasc Med.* 2010;11 Suppl 2:S51-65. PMID: 20700103
- M315) Zalesin KC, Miller WM, Franklin B, Mudugal D, Rao Buragadda A, Boura J, Nori-Janosz K, Chengelis DL, Krause KR, **McCullough PA**. Vitamin a deficiency after gastric bypass surgery: an underreported postoperative complication. *J Obes.* 2011;2011. pii: 760695. Epub 2010 Sep 14. PMID: 20871833

**Peter A. McCullough, M.D., M.P.H.**

- M316) Maisel AS, Katz N, Hillege HL, Shaw A, Zanco P, Bellomo R, Anand I, Anker SD, Aspromonte N, Bagshaw SM, Berl T, Bobek I, Cruz DN, Daliento L, Davenport A, Haapio M, House AA, Mankad S, **McCullough P**, Mebazaa A, Palazzuoli A, Ponikowski P, Ronco F, Sheinfeld G, Soni S, Vescovo G, Zamperetti N, Ronco C; for the Acute Dialysis Quality Initiative (ADQI) consensus group. Biomarkers in kidney and heart disease. *Nephrol Dial Transplant*. 2011 Jan;26(1):62-74. Epub 2010 Oct 26 PMID: 20978142
- M317) **McCullough PA**. Cardiorenal syndromes: pathophysiology to prevention. *Int J Nephrol*. 2010 Dec 1;2010:762590.PMID: 2115153
- M318) **McCullough PA**, Whaley-Connell A, Brown WW, Collins AJ, Chen SC, Li S, Norris KC, Jurkovitz C, McFarlane S, Obialo C, Sowers J, Stevens L, Vassalotti JA, Bakris GL. Cardiovascular risk modification in participants with coronary disease screened by the Kidney Early Evaluation Program. *Intern Med J*. 2010 Dec;40(12):833-41. doi: 10.1111/j.1445-5994.2009.02158.x.PMID: 21199222
- M319) Lubanski MS, Vanhecke TE, Chinnaiyan KM, Franklin BA, **McCullough PA**. Subclinical coronary atherosclerosis identified by coronary computed tomographic angiography in asymptomatic morbidly obese patients. *Heart Int*. 2010 Dec 31;5(2):e15. PubMed PMID: 21977300
- M320) Rose JJ, Vanhecke TE, **McCullough PA**. Subarachnoid hemorrhage with neurocardiogenic stunning. *Rev Cardiovasc Med*. 2010 Fall;11(4):254-63. PMID: 21389917
- M321) **McCullough PA**. Micronutrients and cardiorenal disease: insights into novel assessments and treatment. *Blood Purif*. 2011;31(1-3):177-85. Epub 2011 Jan 10. PMID: 21228587
- M322) Alexander P, David S, **McCullough PA**. Drug-eluting coronary stents in patients with kidney disease. *Am J Kidney Dis*. 2011 Feb;57(2):188-9. No abstract available. PMID: 21251538
- M323) **McCullough PA**, Chinnaiyan KM, Gallagher MJ, Colar JM, Geddes T, Gold JM, Trivax JE. Changes in renal markers and acute kidney injury after marathon running. *Nephrology (Carlton)*. 2011 Feb;16(2):194-9. doi: 10.1111/j.1440-1797.2010.01354.x. PMID: 21272132
- M324) **McCullough PA**, Ahmad A. Cardiorenal syndromes. *World J Cardiol*. 2011 Jan 26;3(1):1-9. PMID: 21286212
- M325) Poirier P, Cornier MA, Mazzone T, Stiles S, Cummings S, Klein S, **McCullough PA**, Ren Fielding C, Franklin BA; on behalf of the AHA Obesity Committee of the Council on Nutrition, Physical Activity, and Metabolism. Bariatric Surgery and Cardiovascular Risk Factors: A Scientific Statement From the AHA. *Circulation*. 2011 Apr 19;123(15):1683-701. Epub 2011 Mar 14. PMID: 21403092



Peter A. McCullough, M.D., M.P.H.

- M326) Goel SK, Bellovich K, **McCullough PA**. Treatment of severe metastatic calcification and calciphylaxis in dialysis patients. Goel SK, Bellovich K, McCullough PA. *Int J Nephrol*. 2011 Feb 24;2011:701603. PMID: 21423552
- M327) **McCullough PA**, El-Ghoroury M, Yamasaki H. Early detection of acute kidney injury with neutrophil gelatinase-associated lipocalin. *J Am Coll Cardiol*. 2011 Apr 26;57(17):1762-4. PMID: 21511112
- M328) Madder RD, Hickman L, Crimmins GM, Puri M, Marinescu V, **McCullough PA**, Safian RD. Validity of Estimated Glomerular Filtration Rates for Assessment of Baseline and Serial Renal Function in Patients with Atherosclerotic Renal Artery Stenosis: Implications for Clinical Trials of Renal Revascularization. *Circ Cardiovasc Interv*. 2011 Jun 1;4(3):219-25. Epub 2011 Apr 26. PMID: 21521835
- M329) Whaley-Connell A, Sowers JR, **McCullough PA**. The role of oxidative stress in the metabolic syndrome. *Rev Cardiovasc Med*. 2011;12(1):21-9. PMID: 21546885
- M330) **McCullough PA**, Capasso P. Patient Discomfort Associated with the Use of Intra-arterial Iodinated Contrast Media: A Meta-Analysis of Comparative Randomized Controlled Trials. *BMC Med Imaging*. 2011 May 24;11:12. doi:10.1186/1471-2342-11-12. PMID: 21609484
- M331) Friedewald VE, Emmett M, **McCullough P**, Yancy CW, Roberts WC. The Editor's Roundtable: Anemia and Cardiovascular Disease. *Am J Cardiol*. 2011 Jun 1;107(11):1630-5. PMID: 21575751
- M332) **McCullough PA**, Maynard RC. Treatment disparities in acute coronary syndromes, heart failure, and kidney disease. *Contrib Nephrol*. 2011;171:68-73. Epub 2011 May 23. PMID: 21625092
- M333) **McCullough PA**, Vassalotti JA, Collins AJ, Chen SC, Bakris GL, Whaley-Connell AT. National Kidney Foundation's Kidney Early Evaluation Program (KEEP) Annual Data Report 2010: Executive Summary. *Am J Kidney Dis*. 2011 Mar;57(3 Suppl 2):S1-3. PMID: 21338845
- M334) McFarlane SI, **McCullough PA**, Sowers JR, Soe K, Chen SC, Li S, Vassalotti JA, Stevens LA, Salifu MO, Kurella Tamura M, Bombback AS, Norris KC, Collins AJ, Bakris GL, Whaley-Connell AT; KEEP Steering Committee. Comparison of the CKD Epidemiology Collaboration (CKD-EPI) and Modification of Diet in Renal Disease (MDRD) Study Equations: Prevalence of and Risk Factors for Diabetes Mellitus in CKD in the Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis*. 2011 Mar;57(3 Suppl 2):S24-31. PMID: 21338847
- M335) **McCullough PA**, Brown WW, Gannon MR, Vassalotti JA, Collins AJ, Chen SC, Bakris GL, Whaley-Connell AT. Sustainable Community-Based CKD Screening Methods Employed by the National Kidney Foundation's Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis*. 2011 Mar;57(3 Suppl 2):S4-8. PMID: 21338848

**Peter A. McCullough, M.D., M.P.H.**

- M336) Stevens LA, Li S, Kurella Tamura M, Chen SC, Vassalotti JA, Norris KC, Whaley-Connell AT, Bakris GL, **McCullough PA**. Comparison of the CKD Epidemiology Collaboration (CKD-EPI) and Modification of Diet in Renal Disease (MDRD) Study Equations: Risk Factors for and Complications of CKD and Mortality in the Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis.* 2011 Mar;57(3 Suppl 2):S9-S16. PMID: 21338849
- M337) Herzog CA, Asinger RW, Berger AK, Charytan DM, Díez J, Hart RG, Eckardt KU, Kasiske BL, **McCullough PA**, Passman RS, DeLoach SS, Pun PH, Ritz E. Cardiovascular disease in chronic kidney disease. A clinical update from Kidney Disease: Improving Global Outcomes (KDIGO). *Kidney Int.* 2011 Sep;80(6):572-86. PMID: 21750584
- M338) Gorges RD, Burke P, David W, Cole A, **McCullough PA**, David SW. Emerging practice patterns and outcomes of percutaneous aortic balloon valvuloplasty in patients with severe aortic stenosis. *Rev Cardiovasc Med.* 2011;12(2):e60-7. PMID: 21796084
- M339) Hanna K, Seder CW, Chengelis D, **McCullough PA**, Krause K. Shorter circular staple is height associated with lower anastomotic stricture rate in laparoscopic gastric bypass. *Surg Obes Relat Dis.* 2012 Mar-Apr;8(2):181-4. PMID: 21798822
- M340) Miller WM, Spring TJ, Zalesin KC, Kaeding KR, Nori Janosz KE, **McCullough PA**, Franklin BA. Lower Than Predicted Resting Metabolic Rate Is Associated With Severely Impaired Cardiorespiratory Fitness in Obese Individuals. *Obesity (Silver Spring).* 2012 Mar;20(3):505-11. PMID: 21836645
- M341) Zalesin KC, Franklin BA, Miller WM, Peterson ED, **McCullough PA**. Impact of obesity on cardiovascular disease. *Med Clin North Am.* 2011 Sep;95(5):919-37. PMID: 21855700
- M342) Khouri Y, Steigerwalt SP, Alsamara M, **McCullough PA**. What is the Ideal Blood Pressure Goal for Patients with Stage III or Higher Chronic Kidney Disease? *Curr Cardiol Rep.* 2011 Dec;13(6):492-501. PMID: 21887524
- M343) Brown JR, **McCullough PA**, Splaine ME, Davies L, Ross CS, Dauerman HL, Robb JF, Boss R, Goldberg DJ, Fedele FA, Kellett MA, Phillips WJ, Ver Lee PN, Nelson EC, Mackenzie TA, O'Connor GT, Sarnak MJ, Malenka DJ; for the Northern New England Cardiovascular Disease Study Group. How do centres begin the process to prevent contrast-induced acute kidney injury: a report from a new regional collaborative. *BMJ Qual Saf.* 2012 Jan;21(1):54-62. PMID: 21890755
- M344) Horwich TB, Broderick S, Chen L, **McCullough PA**, Strzelczyk T, Kitzman DW, Fletcher G, Safford RE, Ewald G, Fine LJ, Ellis SJ, Fonarow GC. Relation Among Body Mass Index, Exercise Training, and Outcomes in Chronic Systolic Heart Failure. *Am J Cardiol.* 2011 Dec 15;108(12):1754-9. PMID: 21907317
- M345) **McCullough PA**, Khambatta S, Jazrawi A. Minimizing the renal toxicity of iodinated contrast. *Circulation.* 2011 Sep 13;124(11):1210-1. PMID: 21911794

Peter A. McCullough, M.D., M.P.H.

- M346) Marinescu V, **McCullough PA**. Nutritional and micronutrient determinants of idiopathic dilated cardiomyopathy: diagnostic and therapeutic implications. *Expert Rev Cardiovasc Ther*. 2011 Sep;9(9):1161-70. PubMed PMID: 21932959
- M347) **McCullough PA**, Brown JR. Effects of Intra-Arterial and Intravenous Iso-Osmolar Contrast Medium (Iodixanol) on the Risk of Contrast-Induced Acute Kidney Injury: A Meta-Analysis. *Cardiorenal Med*. 2011;1(4):220-234. PMID: 22164156
- M348) **McCullough PA**, Al-Ejel F, Maynard RC. Lipoprotein subfractions and particle size in end-stage renal disease. *Clin J Am Soc Nephrol*. 2011 Dec;6(12):2738-9. PMID: 22157706
- M349) Lepor NE, **McCullough PA**. Assessing appropriateness of coronary intervention. *Rev Cardiovasc Med*. 2011;12(3):170-1. PMID: 22145194
- M350) **McCullough PA**, Ahmed AB, Zughaib MT, Glanz ED, Di Loreto MJ. Treatment of hypertriglyceridemia with fibric Acid derivatives: impact on lipid subfractions and translation into a reduction in cardiovascular events. *Rev Cardiovasc Med*. 2011;12(4):173-85. PMID: 22249508.
- M351) Palazzuoli A, Beltrami M, Nodari S, **McCullough PA**, Ronco C. Clinical impact of renal dysfunction in heart failure. *Rev Cardiovasc Med*. 2011;12(4):186-99. PMID: 22249509.
- M352) **McCullough PA**, Olobatoke A, Vanhecke TE. Galectin-3: a novel blood test for the evaluation and management of patients with heart failure. *Rev Cardiovasc Med*. 2011;12(4):200-10. PMID: 22249510.
- M353) Vanhecke TE, Franklin BA, Soman P, Lahiri A, Mieres JH, Sias T, Calnon DA, Wolinsky D, Udelson JE, **McCullough PA**. Influence of myocardial ischemia on outcomes in patients with systolic versus non-systolic heart failure. *Am J Cardiovasc Dis*. 2011;1(2):167-75. Epub 2011 Jul 27. PMID: 22254196.
- M354) Whaley-Connell A, Bombback AS, McFarlane SI, Li S, Roberts T, Chen SC, Collins AJ, Norris K, Bakris GL, Sowers JR, **McCullough PA**; on behalf of the Kidney Early Evaluation Program Investigators. Diabetic Cardiovascular Disease Predicts Chronic Kidney Disease Awareness in the Kidney Early Evaluation Program. *Cardiorenal Med*. 2011 Jan;1(1):45-52. Epub 2011 Jan 17. PMID: 22258465.
- M355) Saab G, Whaley-Connell A, Bombeck A, Kurella Tamura M, Li S, Chen SC, McFarlane SI, Sowers JR, Norris K, Bakris GL, **McCullough PA**; for the Kidney Early Evaluation Program Investigators. The Association between Parathyroid Hormone Levels and the Cardiorenal Metabolic Syndrome in Non-Diabetic Chronic Kidney Disease. *Cardiorenal Med*. 2011;1(2):123-130. Epub 2011 Apr 15. PMID: 22258399.

**Peter A. McCullough, M.D., M.P.H.**

- M356) Trivax JE, **McCullough PA**. Phidippides Cardiomyopathy: A Review and Case Illustration. Clin Cardiol. 2012 Feb;35(2):69-73. PMID: 22222888.
- M357) Peralta CA, Norris KC, Li S, Chang TI, Tamura MK, Jolly SE, Bakris G, **McCullough PA**, Shlipak M; for the KEEP Investigators. Blood Pressure Components and End-stage Renal Disease in Persons With Chronic Kidney Disease: The Kidney Early Evaluation Program (KEEP). Arch Intern Med. 2012 Jan 9;172(1):41-47. PMID: 22232147.
- M358) **McCullough PA**, Assad H. Diagnosis of Cardiovascular Disease in Patients with Chronic Kidney Disease. Blood Purif. 2012 Jan 20;33(1-3):112-118. [Epub ahead of print] PubMed PMID: 22269967.
- M359) Amin AP, Salisbury AC, **McCullough PA**, Gosch K, Spertus JA, Venkitachalam L, Stolker JM, Parikh CR, Masoudi FA, Jones PG, Kosiborod M. Trends in the incidence of acute kidney injury in patients hospitalized with acute myocardial infarction. Arch Intern Med. 2012 Feb 13;172(3):246-53. PubMed PMID: 22332157.
- M360) Whaley-Connell AT, Vassalotti JA, Collins AJ, Chen SC, **McCullough PA**. National Kidney Foundation's Kidney Early Evaluation Program (KEEP) Annual Data Report 2011: Executive Summary. Am J Kidney Dis. 2012 Mar;59(3 Suppl 2):S1-4. PubMed PMID: 22339897; PubMed Central PMCID: PMC3285421.
- M361) Shah A, Fried LF, Chen SC, Qiu Y, Li S, Cavanaugh KL, Norris KC, Whaley-Connell AT, **McCullough PA**, Mehrotra R; KEEP Investigators. Associations Between Access to Care and Awareness of CKD. Am J Kidney Dis. 2012 Mar;59(3 Suppl 2):S16-23. PubMed PMID: 22339898.
- M362) Jurkovitz CT, Elliott D, Li S, Saab G, Bomback AS, Norris KC, Chen SC, **McCullough PA**, Whaley-Connell AT; KEEP Investigators. Physician Utilization, Risk-Factor Control, and CKD Progression Among Participants in the Kidney Early Evaluation Program (KEEP). Am J Kidney Dis. 2012 Mar;59(3 Suppl 2):S24-33. PubMed PMID: 22339899.
- M363) Saab G, Chen SC, Li S, Bomback AS, Whaley-Connell AT, Jurkovitz CT, Norris KC, **McCullough PA**; KEEP Investigators. Association of Physician Care With Mortality in Kidney Early Evaluation Program (KEEP) Participants. Am J Kidney Dis. 2012 Mar;59(3 Suppl 2):S34-9. PubMed PMID: 22339900.
- M364) Agrawal V, Jaar BG, Frisby XY, Chen SC, Qiu Y, Li S, Whaley-Connell AT, **McCullough PA**, Bomback AS; KEEP Investigators. Access to Health Care Among Adults Evaluated for CKD: Findings From the Kidney Early Evaluation Program (KEEP). Am J Kidney Dis. 2012 Mar;59(3 Suppl 2):S5-S15. PubMed PMID: 22339901.
- M365) Ismail Y, Kasmikha Z, Green HL, **McCullough PA**. Cardio-renal syndrome type 1: epidemiology, pathophysiology, and treatment. Semin Nephrol. 2012 Jan;32(1):18-25. PubMed PMID: 22365158.

**Peter A. McCullough, M.D., M.P.H.**

- M366) Khambatta S, Farkouh ME, Wright RS, Reeder GS, **McCullough PA**, Smars PA, Hickson LJ, Best PJ. Chronic kidney disease as a risk factor for acute coronary syndromes in patients presenting to the emergency room with chest pain. *Transl Res.* 2012 May;159(5):391-6. Epub 2012 Jan 9. PubMed PMID: 22500512.
- M367) Whaley-Connell A, Shlipak MG, Inker LA, Kurella Tamura M, Bombback AS, Saab G, Szpunar SM, McFarlane SI, Li S, Chen SC, Norris K, Bakris GL, **McCullough PA**; Kidney Early Evaluation Program Investigators. Awareness of Kidney Disease and Relationship to End-stage Renal Disease and Mortality. *Am J Med.* 2012 Jul;125(7):661-9. PubMed PMID: 22626510.
- M368) **McCullough PA**, Williams FJ, Stivers DN, Cannon L, Dixon S, Alexander P, Runyan D, David S. Neutrophil Gelatinase-Associated Lipocalin: A Novel Marker of Contrast Nephropathy Risk. *Am J Nephrol.* 2012 May 23;35(6):509-514. PubMed PMID: 22627273.
- M369) O'Keefe JH, Patil HR, Lavie CJ, Magalski A, Vogel RA, **McCullough PA**. Potential adverse cardiovascular effects from excessive endurance exercise. *Mayo Clin Proc.* 2012 Jun;87(6):587-95. PubMed PMID: 22677079.
- M370) **McCullough PA**, Ali S. Cardiac and renal function in patients with type 2 diabetes who have chronic kidney disease: potential effects of bardoxolone methyl. *Drug Des Devel Ther.* 2012;6:141-9. Epub 2012 Jun 14. PubMed PMID: 22787387; PubMed Central PMCID: PMC3392144.
- M371) O'Donoghue ML, Vaidya A, Afsal R, Alfredsson J, Boden WE, Braunwald E, Cannon CP, Clayton TC, de Winter RJ, Fox KA, Lagerqvist B, **McCullough PA**, Murphy SA, Spacek R, Swahn E, Windhausen F, Sabatine MS. An Invasive or Conservative Strategy in Patients With Diabetes Mellitus and Non-ST-Segment Elevation Acute Coronary Syndromes: A Collaborative Meta-Analysis of Randomized Trials. *J Am Coll Cardiol.* 2012 Jul 10;60(2):106-11. PubMed PMID: 22766336.
- M372) Ronco C, Cicoira M, **McCullough PA**. Cardiorenal Syndrome Type 1: Pathophysiological Crosstalk Leading to Combined Heart and Kidney Dysfunction in the Setting of Acutely Decompensated Heart Failure. *J Am Coll Cardiol.* 2012 Sep 18;60(12):1031-42. PubMed PMID: 22840531.
- M373) Ronco C, Stacul F, **McCullough PA**. Subclinical acute kidney injury (AKI) due to iodine-based contrast media. *Eur Radiol.* 2013 Feb;23(2):319-23. PubMed PMID: 22895617.
- M374) **McCullough PA**, Larsen T, Brown JR. Theophylline or aminophylline for the prevention of contrast-induced acute kidney injury. *Am J Kidney Dis.* 2012 Sep;60(3):338-9. PubMed PMID: 22901629.

**Peter A. McCullough, M.D., M.P.H.**

- M375) Patil HR, O'Keefe JH, Lavie CJ, Magalski A, Vogel RA, **McCullough PA**. Cardiovascular damage resulting from chronic excessive endurance exercise. *Mo Med*. 2012 Jul-Aug;109(4):312-21. PubMed PMID: 22953596.
- M376) Bose S, Bombback AS, Mehta NN, Chen SC, Li S, Whaley-Connell A, Benjamin J, **McCullough PA**. Dysglycemia but not lipids is associated with abnormal urinary albumin excretion in diabetic kidney disease: a report from the Kidney Early Evaluation Program (KEEP). *BMC Nephrol*. 2012 Sep 7;13:104. doi:10.1186/1471-2369-13-104. PubMed PMID: 22958709.
- M377) Wilson GD, Geddes TJ, Pruetz BL, Thibodeau BJ, Murawka A, Colar JM, **McCullough PA**, Trivax JE. SELDI-TOF-MS Serum Profiling Reveals Predictors of Cardiac MRI Changes in Marathon Runners. *Int J Proteomics*. 2012;2012:679301. Epub 2012 Sep 3. PubMed PMID: 22988506; PubMed Central PMCID: PMC3439948.
- M378) **McCullough PA**, Cowan S. Mineralocorticoid receptor antagonists and mortality in heart failure with concurrent atrial fibrillation. *Circ Heart Fail*. 2012 Sep 1;5(5):550-1. PubMed PMID: 22991404.
- M379) Saab G, Bombback AS, McFarlane SI, Li S, Chen SC, **McCullough PA**, Whaley-Connell A; for the Kidney Early Evaluation Program Investigators. The Association of Parathyroid Hormone with ESRD and Pre-ESRD Mortality in the Kidney Early Evaluation Program. *J Clin Endocrinol Metab*. 2012 Dec;97(12):4414-21. PubMed PMID: 23066118.
- M380) Whaley-Connell A, Kurella Tamura M, **McCullough PA**. A Decade After the KDOQI CKD Guidelines: Impact on the National Kidney Foundation's Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis*. 2012 Nov;60(5):692-3. doi: 10.1053/j.ajkd.2012.08.008. PubMed PMID: 23067631.
- M381) **McCullough PA**, Di Loreto MJ. Fibrates and cardiorenal outcomes. *J Am Coll Cardiol*. 2012 Nov 13;60(20):2072-3. doi: 10.1016/j.jacc.2012.06.058. Epub 2012 Oct 17. PubMed PMID: 23083778.
- M382) Babayev R, Whaley-Connell A, Kshirsagar A, Klemmer P, Navaneethan S, Chen SC, Li S, **McCullough PA**, Bakris G, Bombback A; KEEP Investigators. Association of Race and Body Mass Index With ESRD and Mortality in CKD Stages 3-4: Results From the Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis*. 2013 Mar;61(3):404-12. PubMed PMID: 23260275.
- M383) Pinto de Carvalho L, **McCullough PA**, Gao F, Sim LL, Tan HC, Foo D, Ooi YW, Richards AM, Chan MY, Yeo TC. Renal function and anaemia in acute myocardial infarction. *Int J Cardiol*. 2013 Sep 30;168(2):1397-401. PubMed PMID: 23305857.
- M384) Kashani K, Al-Khafaji A, Ardiles T, Artigas A, Bagshaw SM, Bell M, Bihorac A, Birkhahn R, Cely CM, Chawla LS, Davison DL, Feldkamp T, Forni LG, Gong MN, Gunnerson KJ, Haase M, Hackett J, Honore PM, Hoste EA, Joannes-Boyau O, Joannidis M, Kim P, Koyner JL, Laskowitz DT, Lissauer

**Peter A. McCullough, M.D., M.P.H.**

ME, Marx G, **McCullough PA**, Mullaney S, Ostermann M, Rimmele T, Shapiro NI, Shaw AD, Shi J, Sprague AM, Vincent JL, Vinsonneau C, Wagner L, Walker MG, Wilkerson RG, Zacharowski K, Kellum JA. Discovery and validation of cell cycle arrest biomarkers in human acute kidney injury. *Crit Care*. 2013 Feb 6;17(1):R25. [Epub ahead of print] PubMed PMID: 23388612.

M385) Smith SW, Diercks DB, Nagurney JT, Hollander JE, Miller CD, Schrock JW, Singer AJ, Apple FS, **McCullough PA**, Ruff CT, Sesma A Jr, Peacock WF. Central versus local adjudication of myocardial infarction in a cardiac biomarker trial. *Am Heart J*. 2013 Mar;165(3):273-279.e1. doi: 10.1016/j.ahj.2012.12.012. Epub 2013 Jan 26. PubMed PMID: 23453092.

M386) Whaley-Connell AT, Kurella Tamura M, Jurkovitz CT, Kosiborod M, **McCullough PA**. Advances in CKD Detection and Determination of Prognosis: Executive Summary of the National Kidney Foundation-Kidney Early Evaluation Program (KEEP) 2012 Annual Data Report. *Am J Kidney Dis*. 2013 Apr;61(4 Suppl 2):S1-3. doi: 10.1053/j.ajkd.2013.01.006. PubMed PMID: 23507265; PubMed Central PMCID: PMC3608929.

M387) Amin AP, Whaley-Connell AT, Li S, Chen SC, **McCullough PA**, Kosiborod MN; KEEP Investigators. The Synergistic Relationship Between Estimated GFR and Microalbuminuria in Predicting Long-term Progression to ESRD or Death in Patients With Diabetes: Results From the Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis*. 2013 Apr;61(4 Suppl 2):S12-23. doi: 10.1053/j.ajkd.2013.01.005. PubMed PMID: 23507266.

M388) Jurkovitz CT, Li S, Norris KC, Saab G, Bomback AS, Whaley-Connell AT, **McCullough PA**; KEEP Investigators. Association Between Lack of Health Insurance and Risk of Death and ESRD: Results From the Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis*. 2013 Apr;61(4 Suppl 2):S24-32. doi: 10.1053/j.ajkd.2012.12.015. PubMed PMID: 23507267.

M389) Chang TI, Li S, Chen SC, Peralta CA, Shlipak MG, Fried LF, Whaley-Connell AT, **McCullough PA**, Kurella Tamura M; KEEP Investigators. Risk Factors for ESRD in Individuals With Preserved Estimated GFR With and Without Albuminuria: Results From the Kidney Early Evaluation Program (KEEP). *Am J Kidney Dis*. 2013 Apr;61(4 Suppl 2):S4-S11. doi: 10.1053/j.ajkd.2012.12.016. PubMed PMID: 23507268.

M390) Narala KR, Hassan S, Lalonde TA, **McCullough PA**. Management of coronary atherosclerosis and acute coronary syndromes in patients with chronic kidney disease. *Curr Probl Cardiol*. 2013 May;38(5):165-206. doi: 10.1016/j.cpcardiol.2012.12.004. PubMed PMID: 23590761.

M391) Mehrotra R, Peralta CA, Chen SC, Li S, Sachs M, Shah A, Norris K, Saab G, Whaley-Connell A, Kestenbaum B, **McCullough PA**. No independent association of serum phosphorus with risk for death or progression to end-stage renal disease in a large screen for chronic kidney disease. *Kidney Int*. 2013 Nov;84(5):989-97. PubMed PMID: 23615501.

**Peter A. McCullough, M.D., M.P.H.**

- M392) Runyan D, Feldman D, **McCullough PA**, David S, Saba S, Gorges R. Long-term Follow-up of Lesion-specific Outcomes Comparing Drug-eluting Stents and Bare Metal Stents in Diseased Saphenous Vein Grafts. *Rev Cardiovasc Med.* 2013;14(1):1-6. PubMed PMID: 23651982.
- M393) Lepor NE, Fouchia DD, **McCullough PA**. New vistas for the treatment of obesity: turning the tide against the leading cause of morbidity and cardiovascular mortality in the developed world. *Rev Cardiovasc Med.* 2013;14(1):20-40. PubMed PMID: 23651984.
- M394) Weisbord SD, Gallagher M, Kaufman J, Cass A, Parikh CR, Chertow GM, Shunk KA, **McCullough PA**, Fine MJ, Mor MK, Lew RA, Huang GD, Conner TA, Brophy MT, Lee J, Soliva S, Palevsky PM. Prevention of Contrast-Induced AKI: A Review of Published Trials and the Design of the Prevention of Serious Adverse Events following Angiography (PRESERVE) Trial. *Clin J Am Soc Nephrol.* 2013 Sep;8(9):1618-31. PubMed PMID: 23660180
- M395) **McCullough PA**, Bouchard J, Waikar SS, Siew ED, Endre ZH, Goldstein SL, Koyner JL, Macedo E, Doi K, Di Somma S, Lewington A, Thadhani R, Chakravarthi R, Ice C, Okusa MD, Duranteau J, Doran P, Yang L, Jaber BL, Meehan S, Kellum JA, Haase M, Murray PT, Cruz D, Maisel A, Bagshaw SM, Chawla LS, Mehta RL, Shaw AD, Ronco C. Implementation of Novel Biomarkers in the Diagnosis, Prognosis, and Management of Acute Kidney Injury: Executive Summary from the Tenth Consensus Conference of the Acute Dialysis Quality Initiative (ADQI). *Contrib Nephrol.* 2013;182:5-12. doi: 10.1159/000349962. Epub 2013 May 13. PubMed PMID: 23689652.
- M396) **McCullough PA**, Shaw AD, Haase M, Bouchard J, Waikar SS, Siew ED, Murray PT, Mehta RL, Ronco C. Diagnosis of acute kidney injury using functional and injury biomarkers: workgroup statements from the tenth acute dialysis quality initiative consensus conference. *Contrib Nephrol.* 2013;182:13-29. doi: 10.1159/000349963. Epub 2013 May 13. PubMed PMID: 23689653.
- M397) **McCullough PA**, Kellum JA, Haase M, Müller C, Damman K, Murray PT, Cruz D, House AA, Schmidt-Ott KM, Vescovo G, Bagshaw SM, Hoste EA, Briguori C, Braam B, Chawla LS, Costanzo MR, Tumlin JA, Herzog CA, Mehta RL, Rabb H, Shaw AD, Singbartl K, Ronco C. Pathophysiology of the Cardiorenal Syndromes: Executive Summary from the Eleventh Consensus Conference of the Acute Dialysis Quality Initiative (ADQI). *Contrib Nephrol.* 2013;182:82-98. doi: 10.1159/000349966. Epub 2013 May 13. PubMed PMID: 23689657.
- M398) Haase M, Müller C, Damman K, Murray PT, Kellum JA, Ronco C, **McCullough PA**. Pathogenesis of Cardiorenal Syndrome Type 1 in Acute Decompensated Heart Failure: Workgroup Statements from the Eleventh Consensus Conference of the Acute Dialysis Quality Initiative (ADQI). *Contrib Nephrol.* 2013;182:99-116. doi: 10.1159/000349969. Epub 2013 May 13. PubMed PMID: 23689658.
- M399) Cruz DN, Schmidt-Ott KM, Vescovo G, House AA, Kellum JA, Ronco C, **McCullough PA**. Pathophysiology of Cardiorenal Syndrome Type 2 in Stable Chronic Heart Failure: Workgroup Statements from the Eleventh Consensus Conference of the Acute Dialysis Quality Initiative



**Peter A. McCullough, M.D., M.P.H.**

(ADQI). *Contrib Nephrol.* 2013;182:117-36. doi: 10.1159/000349968. Epub 2013 May 13. PubMed PMID: 23689659.

- M400) Bagshaw SM, Hoste EA, Braam B, Briguori C, Kellum JA, **McCullough PA**, Ronco C. Cardiorenal syndrome type 3: pathophysiologic and epidemiologic considerations. *Contrib Nephrol.* 2013;182:137-57. doi: 10.1159/000349971. Epub 2013 May 13. PubMed PMID: 23689660.
- M401) Tumlin JA, Costanzo MR, Chawla LS, Herzog CA, Kellum JA, **McCullough PA**, Ronco C. Cardiorenal Syndrome Type 4: Insights on Clinical Presentation and Pathophysiology from the Eleventh Consensus Conference of the Acute Dialysis Quality Initiative (ADQI). *Contrib Nephrol.* 2013;182:158-73. doi: 10.1159/000349972. Epub 2013 May 13. PubMed PMID: 23689661.
- M402) Mehta RL, Rabb H, Shaw AD, Singbartl K, Ronco C, **McCullough PA**, Kellum JA. Cardiorenal Syndrome Type 5: Clinical Presentation, Pathophysiology and Management Strategies from the Eleventh Consensus Conference of the Acute Dialysis Quality Initiative (ADQI). *Contrib Nephrol.* 2013;182:174-94. doi: 10.1159/000349970. Epub 2013 May 13. PubMed PMID: 23689662.
- M403) **McCullough PA**, Barnhart HX, Inrig JK, Reddan D, Sapp S, Patel UD, Singh AK, Szczech LA, Califf RM. Cardiovascular Toxicity of Epoetin-Alfa in Patients with Chronic Kidney Disease. *Am J Nephrol.* 2013 May 25;37(6):549-558. PubMed PMID: 23735819.
- M404) Memon I, Norris KC, Bomback AS, Peralta C, Li S, Chen SC, **McCullough PA**, Whaley-Connell A, Jurkovitz C, Tamura MK, Saab G; for the Kidney Early Evaluation Program Investigators. The Association between Parathyroid Hormone Levels and Hemoglobin in Diabetic and Nondiabetic Participants in the National Kidney Foundation's Kidney Early Evaluation Program. *Cardiorenal Med.* 2013 Jul;3(2):120-127. Epub 2013 Jun 1. PubMed PMID: 23922552; PubMed Central PMCID: PMC3721130.
- M405) **McCullough PA**, Barnard D, Clare R, Ellis SJ, Fleg JL, Fonarow GC, Franklin BA, Kilpatrick RD, Kitzman DW, O'Connor CM, Piña IL, Thadani U, Thohan V, Whellan DJ; for the HF-ACTION Investigators. Anemia and Associated Clinical Outcomes in Patients With Heart Failure Due to Reduced Left Ventricular Systolic Function. *Clin Cardiol.* 2013 Oct;36(10):611-20. PubMed PMID: 23929781.
- M406) Akrawinthewong K, Shaw MK, Kachner J, Apostolov EO, Basnakian AG, Shah S, Tilak J, **McCullough PA**. Urine catalytic iron and neutrophil gelatinase-associated lipocalin as companion early markers of acute kidney injury after cardiac surgery: a prospective pilot study. *Cardiorenal Med.* 2013 Apr;3(1):7-16. doi: 10.1159/000346815. Epub 2013 Feb 6. PubMed PMID: 23946721; PubMed Central PMCID: PMC3743453.
- M407) White WB, Cannon CP, Heller SR, Nissen SE, Bergenstal RM, Bakris GL, Perez AT, Fleck PR, Mehta CR, Kupfer S, Wilson C, Cushman WC, Zannad F; EXAMINE Investigators. (**McCullough PA**,

**Peter A. McCullough, M.D., M.P.H.**

Data Safety Monitoring Board) Alogliptin after acute coronary syndrome in patients with type 2 diabetes. *N Engl J Med.* 2013 Oct 3;369(14):1327-35.

- M408) **McCullough PA**, Akrawinthewong K. Ascorbic Acid for the Prevention of Contrast-Induced Acute Kidney Injury. *J Am Coll Cardiol.* 2013 Dec 10;62(23):2176-7. PubMed PMID: 23994411.
- M409) Ronco C, **McCullough PA**, Chawla LS. Kidney attack versus heart attack: evolution of classification and diagnostic criteria. *Lancet.* 2013 Sep 14;382(9896):939-40. doi: 10.1016/S0140-6736(13)61932-7. PubMed PMID: 24034297.
- M410) Kurella Tamura M, Li S, Chen SC, Cavanaugh KL, Whaley-Connell AT, **McCullough PA**, Mehrotra RL. Educational programs improve the preparation for dialysis and survival of patients with chronic kidney disease. *Kidney Int.* 2013 Sep 25. doi:10.1038/ki.2013.369. [Epub ahead of print] PubMed PMID: 24067435.
- M411) Nasser M, Larsen TR, Waanbah B, Sidiqi I, **McCullough PA**. Hyperacute drug-induced hepatitis with intravenous amiodarone: case report and review of the literature. *Drug Health Patient Saf.* 2013 Sep 26;5:191-198. PubMed PMID: 24109195.
- M412) Larsen TR, Kinni V, Zaks J, David S, **McCullough PA**. A Lethal Case of Influenza and Type 5 Cardiorenal Syndrome. *Blood Purif.* 2013 Nov 1;36(2):112-115. PubMed PMID: 24192807.
- M413) Fried LF, Emanuele N, Zhang JH, Brophy M, Conner TA, Duckworth W, Leehey DJ, **McCullough PA**, O'Connor T, Palevsky PM, Reilly RF, Seliger SL, Warren SR, Watnick S, Peduzzi P, Guarino P; VA NEPHRON-D Investigators. Combined Angiotensin inhibition for the treatment of diabetic nephropathy. *N Engl J Med.* 2013 Nov 14;369(20):1892-903.
- M414) Parsa A, Kao WH, Xie D, Astor BC, Li M, Hsu CY, Feldman HI, Parekh RS, Kusek JW, Greene TH, Fink JC, Anderson AH, Choi MJ, Wright JT Jr, Lash JP, Freedman BI, Ojo A, Winkler CA, Raj DS, Kopp JB, He J, Jensvold NG, Tao K, Lipkowitz MS, Appel LJ; AASK Study Investigators; CRIC Study Investigators (**McCullough PA**, External Advisory Panel). APOL1 risk variants, race, and progression of chronic kidney disease. *N Engl J Med.* 2013 Dec 5;369(23):2183-96.
- M415) Costanzo MR, Chawla LS, Tumlin JA, Herzog CA, **McCullough PA**, Kellum JA, Ronco C. The role of early and sufficient isolated venovenous ultrafiltration in heart failure patients with pulmonary and systemic congestion. *Rev Cardiovasc Med.* 2013;14(2-4):e123-33. PubMed PMID: 24448253.
- M416) Maioli M, Toso A, Leoncini M, Musilli N, Bellandi F, Rosner MH, **McCullough PA**, Ronco C. Pre-procedural Bioimpedance Vectorial Analysis of fluid status and prediction of Contrast-Induced Acute Kidney Injury. *J Am Coll Cardiol.* 2014 Jan 30. pii: S0735-1097(14)00339-8. doi: 10.1016/j.jacc.2014.01.025. [Epub ahead of print] PubMed PMID: 24530668.

**Peter A. McCullough, M.D., M.P.H.**

- M417) Chawla LS, Herzog CA, Costanzo MR, Tumlin J, Kellum JA, **McCullough PA**, Ronco C; Acute Dialysis Quality Initiative (ADQI) XI Workgroup. Viewpoint: Proposal for a Functional Classification System of Heart Failure in Patients with End-Stage Renal Disease: Proceedings of the Acute Dialysis Quality Initiative (ADQI) XI Workgroup. *J Am Coll Cardiol*. 2014 Jan 30. pii: S0735-1097(14)00331-3. doi: 10.1016/j.jacc.2014.01.020. [Epub ahead of print] Review. PubMed PMID: 24530671.
- M418) **McCullough PA**. Calling for Targeted Trials in Cardiorenal Syndromes. *Am J Kidney Dis*. 2014 Apr 5. pii: S0272-6386(14)00616-7. doi:10.1053/j.ajkd.2014.03.006. [Epub ahead of print] PubMed PMID: 24713221.
- M419) Toth PP, Shah PK, Wilkinson MJ, Davidson MH, **McCullough PA**. Use of microsomal triglyceride transfer protein inhibitors in patients with homozygous familial hypercholesterolemia: translating clinical trial experience into clinical practice. *Rev Cardiovasc Med*. 2014;15(1):1-10. PubMed PMID: 24762461.
- M420) **McCullough PA**, Beaver TM, Bennett-Guerrero E, Emmett M, Fonarow GC, Goyal A, Herzog CA, Kosiborod M, Palmer BF. Acute and chronic cardiovascular effects of hyperkalemia: new insights into prevention and clinical management. *Rev Cardiovasc Med*. 2014;15(1):11-23. PubMed PMID: 24762462.
- M421) **McCullough PA**. Practical experience using galectin-3 in heart failure. *Clin Chem Lab Med*. 2014 May 8. pii:/j/cclm.ahead-of-print/cclm-2014-0278/cclm-2014-0278.xml. doi: 10.1515/cclm-2014-0278. [Epub ahead of print] PubMed PMID: 24810562
- M422) Chin MP, Reisman SA, Bakris GL, O'Grady M, Linde PG, **McCullough PA**, Packham D, Vaziri ND, Ward KW, Warnock DG, Meyer CJ. Mechanisms Contributing to Adverse Cardiovascular Events in Patients with Type 2 Diabetes Mellitus and Stage 4 Chronic Kidney Disease Treated with Bardoxolone Methyl. *Am J Nephrol*. 2014 Jun 3;39(6):499-508. [Epub ahead of print] PubMed PMID: 24903467.
- M423) **McCullough PA**, Whaley-Connell AT, Vassalotti JA. The future of CKD detection: the role for the Kidney Early Evaluation Program. *Nephrol News Issues*. 2014 Apr;28(4):41-2. PubMed PMID: 24960988.
- M424) Palazzuoli A, Pellegrini M, Ruocco G, Martini G, Franci B, Campagna MS, Gillemann M, Nuti R, **McCullough PA**, Ronco C. Continuous versus bolus intermittent loop diuretic infusion in acutely decompensated heart failure: a prospective randomized trial. *Crit Care*. 2014 Jun 28;18(3):R134. doi: 10.1186/cc13952. PubMed PMID: 24974232.
- M425) Manatsathit W, Al-Hamid H, Leelasinjaroen P, Hashmi U, **McCullough PA**. Management of gastrointestinal bleeding in patients anticoagulated with dabigatran compared with warfarin: a retrospective, comparative case review. *Cardiovasc Diagn Ther*. 2014 Jun;4(3):224-31. doi:

**Peter A. McCullough, M.D., M.P.H.**

10.3978/j.issn.2223-3652.2014.03.07. PubMed PMID: 25009791; PubMed Central PMCID: PMC4069982.

- M426) Neath SX, Jefferies JL, Berger JS, Wu AH, McConnell JP, Boone JL, **McCullough PA**, Jesse RL, Maisel AS. The current and future landscape of urinary thromboxane testing to evaluate atherothrombotic risk. *Rev Cardiovasc Med.* 2014;15(2):119-30. Review. PubMed PMID: 25051129.
- M427) Brown JR, Solomon RJ, Sarnak MJ, **McCullough PA**, Splaine ME, Davies L, Ross CS, Dauerman HL, Stender JL, Conley SM, Robb JF, Chaisson K, Boss R, Lambert P, Goldberg DJ, Lucier D, Fedele FA, Kellett MA, Horton S, Phillips WJ, Downs C, Wiseman A, MacKenzie TA, Malenka DJ; for the Northern New England Cardiovascular Disease Study Group. Reducing Contrast-Induced Acute Kidney Injury Using a Regional Multicenter Quality Improvement Intervention. *Circ Cardiovasc Qual Outcomes.* 2014 Jul 29. pii: CIRCOUTCOMES.114.000903. [Epub ahead of print] PubMed PMID: 25074372.
- M428) Zimering MB, Zhang JH, Guarino PD, Emanuele N, **McCullough PA**, Fried LF; Investigators for the VA NEPHRON-D. Endothelial cell autoantibodies in predicting declining renal function, end-stage renal disease, or death in adult type 2 diabetic nephropathy. *Front Endocrinol (Lausanne).* 2014 Aug 11;5:128. doi: 10.3389/fendo.2014.00128. eCollection 2014. PubMed PMID: 25157242; PubMed Central PMCID: PMC4127944.
- M429) **McCullough PA**, Kellum JA, Haase M, Müller C, Damman K, Murray PT, Cruz D, House AA, Schmidt-Ott KM, Vescovo G, Bagshaw SM, Hoste EA, Briguori C, Braam B, Chawla LS, Costanzo MR, Tumlin JA, Herzog CA, Mehta RL, Rabb H, Shaw AD, Singbartl K, Ronco C. Pathophysiology of the Cardiorenal Syndromes: Executive Summary from the Eleventh Consensus Conference of the Acute Dialysis Quality Initiative (ADQI). *Blood Purif.* 2014;37 Suppl 2:2-13. doi: 10.1159/000361059. Epub 2014 Jul 31. PubMed PMID: 25196564.
- M430) Hoste EA, **McCullough PA**, Kashani K, Chawla LS, Joannidis M, Shaw AD, Feldkamp T, Uettwiller-Geiger DL, McCarthy P, Shi J, Walker MG, Kellum JA; for the Sapphire Investigators. Derivation and validation of cutoffs for clinical use of cell cycle arrest biomarkers. *Nephrol Dial Transplant.* 2014 Sep 18. pii: gfu292. [Epub ahead of print] PubMed PMID: 25237065.
- M431) Chin MP, Wrolstad D, Bakris GL, Chertow GM, de Zeeuw D, Goldsberry A, Linde PG, **McCullough PA**, McMurray JJ, Wittes J, Meyer CJ. Risk factors for heart failure in patients with type 2 diabetes mellitus and stage 4 chronic kidney disease treated with bardoxolone methyl. *J Card Fail.* 2014 Dec;20(12):953-8. doi:10.1016/j.cardfail.2014.10.001. Epub 2014 Oct 13. PubMed PMID: 25307295.
- M432) **McCullough PA**, Fazel P, Choi JW. Screening, diagnosis, and management of CAD in asymptomatic diabetic patients. *JACC Cardiovasc Imaging.* 2014 Oct;7(10):1011-2. doi: 10.1016/j.jcmg.2014.08.001. PubMed PMID: 25323163.

Peter A. McCullough, M.D., M.P.H.

- M433) Hundae A, **McCullough PA**. Cardiac and renal fibrosis in chronic cardiorenal syndromes. *Nephron Clin Pract.* 2014;127(1-4):106-12. doi: 10.1159/000363705. Epub 2014 Sep 24. PubMed PMID: 25343831.
- M434) Shin HJ, **McCullough PA**. Focus on lipids: high-density lipoprotein cholesterol and its associated lipoproteins in cardiac and renal disease. *Nephron Clin Pract.* 2014;127(1-4):158-64. doi: 10.1159/000363552. Epub 2014 Sep 24. PubMed PMID:25343842.
- M435) Ball T, **McCullough PA**. Statins for the prevention of contrast-induced acute kidney injury. *Nephron Clin Pract.* 2014;127(1-4):165-71. doi: 10.1159/000363202. Epub 2014 Sep 24. PubMed PMID: 25343843.
- M436) Szczech LA, Stewart RC, Su HL, DeLoskey RJ, Astor BC, Fox CH, **McCullough PA**, Vassalotti JA. Primary Care Detection of Chronic Kidney Disease in Adults with Type-2 Diabetes: The ADD-CKD Study (Awareness, Detection and Drug Therapy in Type 2 Diabetes and Chronic Kidney Disease). *PLoS One.* 2014 Nov 26;9(11):e110535. doi: 10.1371/journal.pone.0110535. eCollection 2014. PubMed PMID: 25427285; PubMed Central PMCID: PMC4245114.
- M437) **McCullough PA**, Roberts WC. Peter Andrew McCullough, MD, MPH: An Interview With the Editor. *Am J Cardiol.* 2014 Dec 1;114(11):1772-85. doi: 10.1016/j.amjcard.2014.08.034. Epub 2014 Sep 16. PubMed PMID: 25439453.
- M438) Roberts JK, **McCullough PA**. The Management of Acute Coronary Syndromes in Patients With Chronic Kidney Disease. *Adv Chronic Kidney Dis.* 2014 Nov;21(6):472-479. doi: 10.1053/j.ackd.2014.08.005. Epub 2014 Oct 24. Review. PubMed PMID: 25443572.
- M439) **McCullough PA**, Jefferies JL. Novel Markers and Therapies for Patients with Acute Heart Failure and Renal Dysfunction. *Am J Med.* 2014 Nov 13. pii: S0002-9343(14)00977-2. doi: 10.1016/j.amjmed.2014.10.035. [Epub ahead of print] PubMed PMID: 25446297.
- M440) Ball T, Wheelan K, **McCullough PA**. Chronic anticoagulation in chronic kidney disease. *J Am Coll Cardiol.* 2014 Dec 16;64(23):2483-5. doi: 10.1016/j.jacc.2014.09.052. PubMed PMID: 25500232.
- M441) Akrawinthawong K, Ricci J, Cannon L, Dixon S, Kupfer K, Stivers D, Alexander P, David S, **McCullough PA**. Subclinical and clinical contrast-induced acute kidney injury: data from a novel blood marker for determining the risk of developing contrast-induced nephropathy (ENCINO), a prospective study. *Ren Fail.* 2014 Dec 18:1-5. [Epub ahead of print] PubMed PMID: 25519207.
- M442) **McCullough PA**, Mehta A, Szerlip H. Improving detection of cardiac surgery-associated acute kidney injury. *J Am Coll Cardiol.* 2014 Dec 30;64(25):2763-4. doi: 10.1016/j.jacc.2014.09.065. PubMed PMID: 25541129.

**Peter A. McCullough, M.D., M.P.H.**

- M443) Lepor NE, Fouchia DD, **McCullough PA**. New vistas for the treatment of obesity: turning the tide against the leading cause of morbidity and cardiovascular mortality in the developed world. *Rev Cardiovasc Med*. 2014;15 Suppl 2:S1-19; quiz S20-1. Review. PubMed PMID: 25662755.
- M444) Watson KE, Stocker EH, Jacoby DS, **McCullough PA**. Advanced lipid testing: when, why, and in whom? *Rev Cardiovasc Med*. 2014;15(4):310-7; quiz 318-9. Review. PubMed PMID: 25662925.
- M445) Charytan DM, Fishbane S, Malyszko J, **McCullough PA**, Goldsmith D. Cardiorenal Syndrome and the Role of the Bone-Mineral Axis and Anemia. *Am J Kidney Dis*. 2015 Feb 26. pii: S0272-6386(15)00084-0. doi: 10.1053/j.ajkd.2014.12.016. [Epub ahead of print] PubMed PMID: 25727384.
- M446) Kassis HM, Minsinger KD, **McCullough PA**, Block CA, Sidhu MS, Brown JR. A Review of the Use of Iloprost, A Synthetic Prostacyclin, in the Prevention of Radiocontrast Nephropathy in Patients Undergoing Coronary Angiography and Intervention. *Clin Cardiol*. 2015 May 12. doi: 10.1002/clc.22407. [Epub ahead of print] PubMed PMID: 25963191.
- M447) Palazzuoli A, **McCullough PA**, Ronco C, Nuti R. Kidney disease in heart failure: the importance of novel biomarkers for type 1 cardio-renal syndrome detection. *Intern Emerg Med*. 2015 May 14. [Epub ahead of print] PubMed PMID: 25972236.
- M448) Robinson JG, Farnier M, Krempf M, Bergeron J, Luc G, Averna M, Stroes ES, Langslet G, Raal FJ, El Shahawy M, Koren MJ, Lepor NE, Lorenzato C, Pordy R, Chaudhari U, Kastelein JJ; ODYSSEY LONG TERM Investigators (**McCullough PA** Site PI). Efficacy and safety of alirocumab in reducing lipids and cardiovascular events. *N Engl J Med*. 2015 Apr 16;372(16):1489-99. doi: 10.1056/NEJMoa1501031. Epub 2015 Mar 15. PubMed PMID: 25773378.
- M449) **McCullough PA**, Costanzo MR, Silver M, Spinowitz B, Zhang J, Lepor NE. Novel Agents for the Prevention and Management of Hyperkalemia. *Rev Cardiovasc Med*. 2015;16(2):140-55. PubMed PMID: 26198561.
- M450) **McCullough PA**, Patanker G, Stoler RC. Estimating Renal Filtration, Drug Dosing, and Clinical Outcomes. *J Am Coll Cardiol*. 2015 Jun 30;65(25):2724-5. doi: 10.1016/j.jacc.2015.05.015. PubMed PMID: 26112196.
- M451) Husain-Syed F, **McCullough PA**, Birk HW, Renker M, Brocca A, Seeger W, Ronco C. Cardio-Pulmonary-Renal Interactions: A Multidisciplinary Approach. *J Am Coll Cardiol*. 2015 Jun 9;65(22):2433-48. doi: 10.1016/j.jacc.2015.04.024. Review. PubMed PMID: 26046738.
- M452) Anker SD, Kosiborod M, Zannad F, Piña IL, **McCullough PA**, Filippatos G, van der Meer P, Ponikowski P, Rasmussen HS, Lavin PT, Singh B, Yang A, Deedwania P. Maintenance of serum potassium with sodium zirconium cyclosilicate (ZS-9) in heart failure patients: results from a

**Peter A. McCullough, M.D., M.P.H.**

phase 3 randomized, double-blind, placebo-controlled trial. *Eur J Heart Fail.* 2015 May 23. doi: 10.1002/ejhf.300. [Epub ahead of print] PubMed PMID: 26011677.

- M453) Palazzuoli A, Ruocco G, Ronco C, **McCullough PA**. Loop diuretics in acute heart failure: beyond the decongestive relief for the kidney. *Crit Care.* 2015 Sep 3;19:296. doi: 10.1186/s13054-015-1017-3. PubMed PMID: 26335137; PubMed Central PMCID: PMC4559070.
- M454) **McCullough PA**, Young A, Shutze WP. Acute Kidney Injury After Carotid Artery Stenting. *JACC Cardiovasc Interv.* 2015 Sep;8(11):1515-7. doi: 10.1016/j.jcin.2015.07.006. PubMed PMID: 26404205.
- M455) Fallahzadeh MK, **McCullough PA**. Cardiac Electromechanical Abnormalities in Hemodialysis Patients: Indicators of Cardiomyopathy and Future Risk. *Am J Nephrol.* 2015;42(3):237-8. doi: 10.1159/000441100. Epub 2015 Oct 20. PubMed PMID: 26484657.
- M456) Thompson-Martin Y, **McCullough PA**, Agrawal V. Impact of an Educational Program for Advanced Practice Nurses on Knowledge of Kidney Disease Outcomes Quality Initiative Guidelines. *Nephrol Nurs J.* 2015 Sep-Oct;42(5):455-60, 496; quiz 461. PubMed PMID: 26591270.
- M457) Larsen TR, Singh G, Velocci V, Nasser M, **McCullough PA**. Frequency of fluid overload and usefulness of bioimpedance in patients requiring intensive care for sepsis syndromes. *Proc (Bayl Univ Med Cent).* 2016 Jan;29(1):12-5. PubMed PMID: 26722156; PubMed Central PMCID: PMC4677841.
- M458) Charytan DM, Foley R, **McCullough PA**, Rogers JD, Zimetbaum P, Herzog CA, Tumlin JA; MiD Investigators and Committees. Arrhythmia and Sudden Death in Hemodialysis Patients: Protocol and Baseline Characteristics of the Monitoring in Dialysis Study. *Clin J Am Soc Nephrol.* 2016 Jan 13. pii: CJN.09350915. [Epub ahead of print] PubMed PMID: 26763255.
- M459) Roberts WC, Hall SA, Ko JM, **McCullough PA**, Lima B. Atrophy of the Heart After Insertion of a Left Ventricular Assist Device and Closure of the Aortic Valve. *Am J Cardiol.* 2016 Mar 1;117(5):878-9. doi: 10.1016/j.amjcard.2015.12.008. Epub 2015 Dec 13. PubMed PMID: 26792135.
- M460) Tecson KM, Silver MA, Brune SD, Cauthen C, Kwan MD, Schussler JM, Vasudevan A, Watts JA, **McCullough PA**. Impact of Enhanced External Counterpulsation on Heart Failure Rehospitalization in Patients With Ischemic Cardiomyopathy. *Am J Cardiol.* 2015 Dec 31. pii: S0002-9149(15)30069-2. doi: 10.1016/j.amjcard.2015.12.024. [Epub ahead of print] PubMed PMID: 26813739.
- M461) **McCullough PA**, Roberts WC. Influence of Chronic Renal Failure on Cardiac Structure. *J Am Coll Cardiol.* 2016 Mar 15;67(10):1183-5. doi:10.1016/j.jacc.2015.11.065. PubMed PMID: 26965539.

Peter A. McCullough, M.D., M.P.H.

- M462) Palazzuoli A, Ruocco G, Pellegrini M, Beltrami M, Giordano N, Nuti R, **McCullough PA**. Prognostic Significance of Hyperuricemia in Patients With Acute Heart Failure. *Am J Cardiol*. 2016 May 15;117(10):1616-21. doi: 10.1016/j.amjcard.2016.02.039. Epub 2016 Mar 2. PubMed PMID: 27040576.
- M463) **McCullough PA**, Fallahzadeh MK, Tecson KM. Predicting Acute Kidney Injury in the Catheterization Laboratory. *J Am Coll Cardiol*. 2016 Apr 12;67(14):1723-4. doi: 10.1016/j.jacc.2016.02.007. PubMed PMID: 27056779.
- M464) Grodzinsky A, Goyal A, Gosch K, **McCullough PA**, Fonarow GC, Mebazaa A, Masoudi FA, Spertus JA, Palmer BF, Kosiborod M. Prevalence and Prognosis of Hyperkalemia in Patients with Acute Myocardial Infarction. *Am J Med*. 2016 Apr 7. pii:S0002-9343(16)30317-5. doi: 10.1016/j.amjmed.2016.03.008. [Epub ahead of print] PubMed PMID: 27060233.
- M465) Sherwood M, **McCullough PA**. Chronic kidney disease from screening, detection, and awareness, to prevention. *Lancet Glob Health*. 2016 May;4(5):e288-9. doi: 10.1016/S2214-109X(16)30049-3. PubMed PMID: 27102186.
- M466) **McCullough PA**, Afzal A, Kale P. Goal-Directed Heart Failure Care in Patients With Chronic Kidney Disease and End-Stage Renal Disease. *JACC Heart Fail*. 2016 May 30. pii: S2213-1779(16)30084-1. doi: 10.1016/j.jchf.2016.03.014. [Epub ahead of print] PubMed PMID: 27289405.
- M467) Prasad A, Sohn A, Morales J, Williams K, Bailey SR, Levin D, **McCullough PA**, Mehran R, Lopez-Cruz G, Harder J. Contemporary practice patterns related to the risk of acute kidney injury in the catheterization laboratory: Results from a survey of Society of Cardiovascular Angiography and Intervention (SCAI) cardiologists. *Catheter Cardiovasc Interv*. 2016 Jun 17. doi: 10.1002/ccd.26628. [Epub ahead of print] PubMed PMID: 27315581.
- M468) Schussler JM, Vasudevan A, von Bose LJ, Won JI, **McCullough PA**. Comparative Efficacy of Transradial Versus Transfemoral Approach for Coronary Angiography and Percutaneous Coronary Intervention. *Am J Cardiol*. 2016 Aug 15;118(4):482-8. doi: 10.1016/j.amjcard.2016.05.038. PubMed PMID: 27378143.
- M469) Zannad F, Stough WG, Lipicky RJ, Tamargo J, Bakris GL, Borer JS, Alonso García Mde L, Hadjadj S, Koenig W, Kupfer S, **McCullough PA**, Mosenzon O, Pocock S, Scheen AJ, Sourij H, Van der Schueren B, Stahre C, White WB, Calvo G. Assessment of cardiovascular risk of new drugs for the treatment of diabetes mellitus: risk assessment vs. risk aversion. *Eur Heart J Cardiovasc Pharmacother*. 2016 Jul;2(3):200-5. doi: 10.1093/ehjcvp/pvw007. Review. PubMed PMID: 27418973; PubMed Central PMCID: PMC4907355.
- M470) **McCullough PA**, Bennett-Guerrero E, Chawla LS, Beaver T, Mehta RL, Molitoris BA, Eldred A, Ball G, Lee HJ, Houser MT, Khan S. ABT-719 for the Prevention of Acute Kidney Injury in Patients



**Peter A. McCullough, M.D., M.P.H.**

Undergoing High-Risk Cardiac Surgery: A Randomized Phase 2b Clinical Trial. *J Am Heart Assoc.* 2016 Aug 20;5(8). pii:e003549. doi: 10.1161/JAHA.116.003549. PubMed PMID: 27543797; PubMed Central PMCID: PMC5015281.

- M471) Brown JR, **McCullough PA**, Matheny ME. Novel Developments in Acute Kidney Injury. *Biomed Res Int.* 2016;2016:2756204. doi: 10.1155/2016/2756204. PubMed PMID: 27595099; PubMed Central PMCID: PMC4995325.
- M472) **McCullough PA**, Choi JP, Feghali GA, Schussler JM, Stoler RM, Vallabahn RC, Mehta A. Contrast-Induced Acute Kidney Injury. *J Am Coll Cardiol.* 2016 Sep 27;68(13):1465-73. doi: 10.1016/j.jacc.2016.05.099. Review. PubMed PMID:27659469.
- M473) Villa G, Neri M, Bellomo R, Cerda J, De Gaudio AR, De Rosa S, Garzotto F, Honore PM, Kellum J, Lorenzin A, Payen D, Ricci Z, Samoni S, Vincent JL, Wendon J, Zaccaria M, Ronco C; Nomenclature Standardization Initiative (NSI) Alliance (**McCullough PA** member). Nomenclature for renal replacement therapy and blood purification techniques in critically ill patients: practical applications. *Crit Care.* 2016 Oct 10;20(1):283. Review. PubMed PMID: 27719676; PubMed Central PMCID: PMC5056485.
- M474) **McCullough PA**, Fallahzadeh MK, Hegazi RM. Nutritional Deficiencies and Sarcopenia in Heart Failure: A Therapeutic Opportunity to Reduce Hospitalization and Death. *Rev Cardiovasc Med.* 2016;17(S1):S30-S39. PubMed PMID: 27725625.
- M475) Bakris GL, Burkart JM, Weinhandl ED, **McCullough PA**, Kraus MA. Intensive Hemodialysis, Blood Pressure, and Antihypertensive Medication Use. *Am J Kidney Dis.* 2016 Nov;68(5S1):S15-S23. doi: 10.1053/j.ajkd.2016.05.026. PubMed PMID:27772639.
- M476) Copland M, Komenda P, Weinhandl ED, **McCullough PA**, Morfin JA. Intensive Hemodialysis, Mineral and Bone Disorder, and Phosphate Binder Use. *Am J Kidney Dis.* 2016 Nov;68(5S1):S24-S32. doi: 10.1053/j.ajkd.2016.05.024. PubMed PMID:27772640.
- M477) Morfin JA, Fluck RJ, Weinhandl ED, Kansal S, **McCullough PA**, Komenda P. Intensive Hemodialysis and Treatment Complications and Tolerability. *Am J Kidney Dis.* 2016 Nov;68(5S1):S43-S50. doi: 10.1053/j.ajkd.2016.05.021. PubMed PMID:27772642.
- M478) **McCullough PA**, Chan CT, Weinhandl ED, Burkart JM, Bakris GL. Intensive Hemodialysis, Left Ventricular Hypertrophy, and Cardiovascular Disease. *Am J Kidney Dis.* 2016 Nov;68(5S1):S5-S14. doi: 10.1053/j.ajkd.2016.05.025. PubMed PMID: 27772643.
- M479) **McCullough PA**, Ball T, Cox KM, Assar MD. Use of Oral Anticoagulation in the Management of Atrial Fibrillation in Patients with ESRD: Pro. *Clin J Am Soc Nephrol.* 2016 Nov 7;11(11):2079-2084. PubMed PMID: 27797888; PubMed Central PMCID: PMC5108189.

Peter A. McCullough, M.D., M.P.H.

- M480) Zhang J, **McCullough PA**. Lipoic Acid in the Prevention of Acute Kidney Injury. *Nephron*. 2016;134(3):133-140. PubMed PMID: 27603173.
- M481) **McCullough PA**, Vasudevan A, Lopez LR, Swift C, Peterson M, Bennett-Firmin J, Schiffmann R, Bottiglieri T. Oxidative stress reflected by increased F(2)-isoprostanes is associated with increasing urinary 11-dehydro thromboxane B(2) levels in patients with coronary artery disease. *Thromb Res*. 2016 Oct 26;148:85-88. doi: 10.1016/j.thromres.2016.10.022. [Epub ahead of print] PubMed PMID: 27815971.
- M482) Zhang J, Fallahzadeh MK, **McCullough PA**. Aging Male Spontaneously Hypertensive Rat as an Animal Model for the Evaluation of the Interplay between Contrast-Induced Acute Kidney Injury and Cardiorenal Syndrome in Humans. *Cardiorenal Med*. 2016 Nov;7(1):1-10. Epub 2016 Jul 21. Review. PubMed PMID:27994597; PubMed Central PMCID: PMC5159736.
- M483) Vasudevan A, Bottiglieri T, Tecson KM, Sathyamoorthy M, Schussler JM, Velasco CE, Lopez LR, Swift C, Peterson M, Bennett-Firmin J, Schiffmann R, **McCullough PA**. Residual thromboxane activity and oxidative stress: influence on mortality in patients with stable coronary artery disease. *Coron Artery Dis*. 2017 Jun;28(4):287-293. doi: 10.1097/MCA.0000000000000461. PubMed PMID: 28005558.
- M484) Krishnan DK, Pawlaczyk B, **McCullough PA**, Enright S, Kunadi A, Vanhecke TE. Point-of-Care, Ultraportable Echocardiography Predicts Diuretic Response in Patients Admitted with Acute Decompensated Heart Failure. *Clin Med Insights Cardiol*. 2016 Dec 19;10:201-208. doi: 10.4137/CMC.S38896. eCollection 2016. PubMed PMID: 28008296; PubMed Central PMCID: PMC5170880.
- M485) Singer AJ, Than MP, Smith S, **McCullough P**, Barrett TW, Birkhahn R, Reed M, Thode HC, Arnold WD, Daniels LB, de Filippi C, Headden G, Peacock WF. Missed myocardial infarctions in ED patients prospectively categorized as low risk by established risk scores. *Am J Emerg Med*. 2017 Jan 5. pii: S0735-6757(17)30003-7. doi: 10.1016/j.ajem.2017.01.003. [Epub ahead of print] PubMed PMID: 28108220.
- M486) Tecson KM, Arnold W, Barrett T, Birkhahn R, Daniels LB, DeFilippi C, Headden G, Peacock WF, Reed M, Singer AJ, Schussler JM, Smith S, Than MP, **McCullough PA**. Interpretation of positive troponin results among patients with and without myocardial infarction. *Proc (Bayl Univ Med Cent)*. 2017 Jan;30(1):11-15. PubMed PMID: 28127121; PubMed Central PMCID: PMC5242102.
- M487) Tecson KM, Panettiere-Kennedy KS, Won JI, Garg P, Olugbode O, **McCullough PA**. Relation between proprotein convertase subtilisin/kexin type 9 and directly measured low-density lipoprotein cholesterol. *Proc (Bayl Univ Med Cent)*. 2017 Jan;30(1):16-20. PubMed PMID: 28127122; PubMed Central PMCID: PMC5242103.
- M488) **McCullough PA**, Vasudevan A, Sathyamoorthy M, Schussler JM, Velasco CE, Lopez LR, Swift C, Peterson M, Bennett-Firmin J, Schiffmann R, Bottiglieri T. Urinary 11-Dehydro-Thromboxane

**Peter A. McCullough, M.D., M.P.H.**

B(2) and Mortality in Patients With Stable Coronary Artery Disease. *Am J Cardiol.* 2017 Apr 1;119(7):972-977. doi: 10.1016/j.amjcard.2016.12.004. Epub 2017 Jan 5. PubMed PMID: 28139223

M489) Vasudevan A, Singer AJ, DeFilippi C, Headden G, Schussler JM, Daniels LB, Reed M, Than MP, Birkhahn R, Smith SW, Barrett TW, Arnold W, Peacock WF, **McCullough PA**. Renal Function and Scaled Troponin in Patients Presenting to the Emergency Department with Symptoms of Myocardial Infarction. *Am J Nephrol.* 2017;45(4):304-309. doi: 10.1159/000458451. Epub 2017 Feb 14. PubMed PMID:28192777.

M490) **McCullough PA**, Zhang J, Ronco C. Volume expansion and contrast-induced acute kidney injury. *Lancet.* 2017 Apr 1;389(10076):1277-1278. doi:10.1016/S0140-6736(17)30540-8. Epub 2017 Feb 21. PubMed PMID: 28236468.

M491) Elbehary S, Szerlip HM, **McCullough PA**. Potassium Excretion and Outcomes in CKD: Is K Intake OK? *Am J Kidney Dis.* 2017 Mar;69(3):325-327. doi:10.1053/j.ajkd.2016.11.009. PubMed PMID: 28236878.

M492) **McCullough PA**, Rios A, Smith B. Dialysis fistulas and heart failure. *Eur Heart J.* 2017 Mar 17. doi: 10.1093/eurheartj/ehx114. [Epub ahead of print] PubMed PMID:28329218.

M493) Howard CE, **McCullough PA**. Decoding Acute Myocardial Infarction among Patients on Dialysis. *J Am Soc Nephrol.* 2017 May;28(5):1337-1339. doi:10.1681/ASN.2017030226. Epub 2017 Apr 12. PubMed PMID: 28404663.

M494) Vasudevan A, Jazi HH, Won JI, Ball T, Patankar GR, Sarmast SA, Shin HJ, **McCullough PA**. Personalized treatment of heart failure with biomarker guidance using a novel disease severity score. *Proc (Bayl Univ Med Cent).* 2017 Apr;30(2):139-142. PubMed PMID: 28405060; PubMed Central PMCID: PMC5349806.

M495) Won JI, Zhang J, Tecson KM, **McCullough PA**. Balancing Low-density Lipoprotein Cholesterol Reduction and Hepatotoxicity With Lomitapide Mesylate and Mipomersen in Patients With Homozygous Familial Hypercholesterolemia. *Rev Cardiovasc Med.* 2017;18(1):21-28. PubMed PMID: 28509890.

M496) Afzal A, Sarmast S, Choi JW, **McCullough PA**, Schussler JM. Spontaneous Coronary Artery Dissection: A Review of Pathogenesis, Presentations, Treatment, and Outcomes. *Rev Cardiovasc Med.* 2017;18(1):29-36. PubMed PMID: 28509891.

M497) **McCullough PA**. How Trialists and Pharmaceutical Sponsors Have Failed Us by Thinking That Acute Heart Failure Is a 48-Hour Illness. *Am J Cardiol.* 2017 May 11. pii: S0002-9149(17)30795-6. doi: 10.1016/j.amjcard.2017.04.056. [Epub ahead of print] PubMed PMID: 28583677.

Peter A. McCullough, M.D., M.P.H.

- M498) Zhang J, Bottiglieri T, **McCullough PA**. The Central Role of Endothelial Dysfunction in Cardiorenal Syndrome. *Cardiorenal Med.* 2017 Feb;7(2):104-117. doi: 10.1159/000452283. Epub 2016 Dec 29. Review. PubMed PMID: 28611784; PubMed Central PMCID: PMC5465690.
- M499) Tecson KM, Erhardtsen E, Eriksen PM, Gaber AO, Germain M, Golestaneh L, Lavoria MLA, Moore LW, **McCullough PA**. Optimal cut points of plasma and urine neutrophil gelatinase-associated lipocalin for the prediction of acute kidney injury among critically ill adults: retrospective determination and clinical validation of a prospective multicentre study. *BMJ Open.* 2017 Jul 10;7(7):e016028. doi: 10.1136/bmjopen-2017-016028. PubMed PMID: 28698338
- M500) Vasudevan A, Schussler JM, Won JI, Ashcraft P, Bolanos I, Williams M, Bottiglieri T, Velasco CE, **McCullough PA**. Urinary metabolites in patients undergoing coronary catheterization via the radial versus femoral artery approach. *Proc (Bayl Univ Med Cent).* 2017 Oct;30(4):404-409. PubMed PMID: 28966445; PubMed Central PMCID: PMC5595375.
- M501) Azzalini L, Candilio L, **McCullough PA**, Colombo A. Current Risk of Contrast-Induced Acute Kidney Injury After Coronary Angiography and Intervention: A Reappraisal of the Literature. *Can J Cardiol.* 2017 Oct;33(10):1225-1228. doi: 10.1016/j.cjca.2017.07.482. Epub 2017 Aug 3. Review. PubMed PMID: 28941604.
- M502) Palazzuoli A, Ruocco G, De Vivo O, Nuti R, **McCullough PA**. Prevalence of Hyperuricemia in Patients With Acute Heart Failure With Either Reduced or Preserved Ejection Fraction. *Am J Cardiol.* 2017 Oct 1;120(7):1146-1150. doi: 10.1016/j.amjcard.2017.06.057. Epub 2017 Jul 17. PubMed PMID: 28807403.
- M503) Kovesdy CP, Appel LJ, Grams ME, Gutekunst L, **McCullough PA**, Palmer BF, Pitt B, Sica DA, Townsend RR. Potassium homeostasis in health and disease: A scientific workshop cosponsored by the National Kidney Foundation and the American Society of Hypertension. *J Am Soc Hypertens.* 2017 Oct 10. pii: S1933-1711(17)30337-6. doi: 10.1016/j.jash.2017.09.011. [Epub ahead of print] PubMed PMID: 29030153.
- M504) Afzal A, Vallabhan RC, **McCullough PA**. Acute kidney injury in cardiogenic shock: in search of early detection and clinical certainty. *Eur J Heart Fail.* 2017 Oct 12. doi: 10.1002/ejhf.1032. [Epub ahead of print] PubMed PMID: 29027337.
- M505) Ronco C, Ronco F, **McCullough PA**. A Call to Action to Develop Integrated Curricula in Cardiorenal Medicine. *Blood Purif.* 2017 Oct 25;44(4):251-259. doi: 10.1159/000480318. [Epub ahead of print] PubMed PMID: 29065398.
- M506) Ronco C, Ronco F, **McCullough PA**. A Call to Action to Develop Integrated Curricula in Cardiorenal Medicine. *Rev Cardiovasc Med.* 2017;18(3):93-99. PubMed PMID: 29111542.
- M507) Butler J, Hamo CE, Filippatos G, Pocock SJ, Bernstein RA, Brueckmann M, Cheung AK, George JT, Green JB, Januzzi JL, Kaul S, Lam CSP, Lip GYH, Marx N, **McCullough PA**, Mehta CR,

**Peter A. McCullough, M.D., M.P.H.**

Ponikowski P, Rosenstock J, Sattar N, Salsali A, Scirica BM, Shah SJ, Tsutsui H, Verma S, Wanner C, Woerle HJ, Zannad F, Anker SD; EMPEROR Trials Program. The potential role and rationale for treatment of heart failure with sodium-glucose co-transporter 2 inhibitors. *Eur J Heart Fail.* 2017 Nov;19(11):1390-1400. doi: 10.1002/ejhf.933. Epub 2017 Aug 24. Review. PubMed PMID: 28836359.

M508) **McCullough PA**, David G, Todoran TM, Brilakis ES, Ryan MP, Gunnarsson C. Iso-osmolar contrast media and adverse renal and cardiac events after percutaneous cardiovascular intervention. *J Comp Eff Res.* 2017 Nov 9. doi: 10.2217/cer-2017-0052. [Epub ahead of print] PubMed PMID: 29117715.

M509) Rocha NA, East C, Zhang J, **McCullough PA**. ApoCIII as a Cardiovascular Risk Factor and Modulation by the Novel Lipid-Lowering Agent Volanesorsen. *Curr Atheroscler Rep.* 2017 Nov 9;19(12):62. doi: 10.1007/s11883-017-0697-3. Review. PubMed PMID: 29124482.

M510) Rangaswami J, Mathew RO, **McCullough PA**. Resuscitation for the specialty of nephrology: is cardioneurology the answer? *Kidney Int.* 2017 Nov 11. pii: S0085-2538(17)30727-5. doi: 10.1016/j.kint.2017.10.002. [Epub ahead of print] PubMed PMID: 29137816.

M511) Kovesdy CP, Appel LJ, Grams ME, Gutekunst L, **McCullough PA**, Palmer BF, Pitt B, Sica DA, Townsend RR. Potassium Homeostasis in Health and Disease: A Scientific Workshop Cosponsored by the National Kidney Foundation and the American Society of Hypertension. *Am J Kidney Dis.* 2017 Dec;70(6):844-858. doi: 10.1053/j.ajkd.2017.09.003. Epub 2017 Oct 10. PubMed PMID: 29029808.

M512) Ostermann M, **McCullough PA**, Forni LG, Bagshaw SM, Joannidis M, Shi J, Kashani K, Honore PM, Chawla LS, Kellum JA; all SAPPHERE Investigators. Kinetics of Urinary Cell Cycle Arrest Markers for Acute Kidney Injury Following Exposure to Potential Renal Insults. *Crit Care Med.* 2017 Nov 20. doi:10.1097/CCM.0000000000002847. [Epub ahead of print] PubMed PMID: 29189343

M513) Vasudevan A, Tecson KM, Bennett-Firmin J, Bottiglieri T, Lopez LR, Peterson M, Sathyamoorthy M, Schiffmann R, Schussler JM, Swift C, Velasco CE, **McCullough PA**. Prognostic value of urinary 11-dehydro-thromboxane B(2) for mortality: A cohort study of stable coronary artery disease patients treated with aspirin. *Catheter Cardiovasc Interv.* 2017 Nov 29. doi: 10.1002/ccd.27437. [Epub ahead of print] PubMed PMID: 29193683.

M514) Himmelfarb J, Chertow GM, **McCullough PA**, Mesana T, Shaw AD, Sundt TM, Brown C, Cortville D, Dagenais F, de Varennes B, Fontes M, Rossert J, Tardif JC. Perioperative THR-184 and AKI after Cardiac Surgery. *J Am Soc Nephrol.* 2017 Dec 4. pii: ASN.2017020217. doi: 10.1681/ASN.2017020217. [Epub ahead of print] PubMed PMID: 29203473.

Peter A. McCullough, M.D., M.P.H.

- M515) **McCullough PA**, Rangaswami J. Real or Perceived: Hyperkalemia Is a Major Deterrent for Renin-Angiotensin Aldosterone System Inhibition in Heart Failure. *Nephron*. 2017 Dec 5. doi: 10.1159/000485645. [Epub ahead of print] PubMed PMID: 29207385.
- M516) Keuffel E, **McCullough PA**, Todoran TM, Brilakis ES, Palli SR, Ryan MP, Gunnarsson C. The effect of major adverse renal cardiovascular event (MARCE) incidence, procedure volume, and unit cost on the hospital savings resulting from contrast media use in inpatient angioplasty. *J Med Econ*. 2017 Dec 15:1-9. doi: 10.1080/13696998.2017.1415912. [Epub ahead of print] PubMed PMID: 29226736.
- M517) Tecson KM, Brown D, Choi JW, Feghali G, Gonzalez-Stawinski GV, Hamman BL, Hebel R, Lander SR, Lima B, Potluri S, Schussler JM, Stoler RC, Velasco C, **McCullough PA**. Major Adverse Renal and Cardiac Events After Coronary Angiography and Cardiac Surgery. *Ann Thorac Surg*. 2018 Jun;105(6):1724-1730. doi:10.1016/j.athoracsur.2018.01.010. Epub 2018 Feb 2. PubMed PMID: 29408241.
- M518) Haase VH, Chertow GM, Block GA, Pergola PE, deGoma EM, Khawaja Z, Sharma A, Maroni BJ, **McCullough PA**. Effects of vadadustat on hemoglobin concentrations in patients receiving hemodialysis previously treated with erythropoiesis-stimulating agents. *Nephrol Dial Transplant*. 2018 Apr 16. doi: 10.1093/ndt/gfy055. [Epub ahead of print] PubMed PMID: 29672740.
- M519) **McCullough PA**, Ballantyne CM, Sanganalmath SK, Langslet G, Baum SJ, Shah PK, Koren A, Mandel J, Davidson MH. Efficacy and Safety of Alirocumab in High-Risk Patients With Clinical Atherosclerotic Cardiovascular Disease and/or Heterozygous Familial Hypercholesterolemia (from 5 Placebo-Controlled ODYSSEY Trials). *Am J Cardiol*. 2018 Apr 15;121(8):940-948. doi: 10.1016/j.amjcard.2017.12.040. Epub 2018 Feb 2. PubMed PMID: 29472008.
- M520) Zhang J, Tecson KM, Rocha NA, **McCullough PA**. Usefulness of alirocumab and evolocumab for the treatment of patients with diabetic dyslipidemia. *Proc (Bayl Univ Med Cent)*. 2018 Apr 11;31(2):180-184. doi: 10.1080/08998280.2018.1441255. eCollection 2018 Apr. Review. PubMed PMID: 29706812; PubMed Central PMCID: PMC5914471.
- M521) **McCullough PA**. Editorial: Robertsonian Perspectives on Atherosclerosis: The Power of Direct Observation. *Am J Cardiol*. 2018 Apr 3. pii: S0002-9149(18)30255-8. doi: 10.1016/j.amjcard.2018.02.019. [Epub ahead of print] PubMed PMID: 29724407.
- M522) Maisel AS, Daniels LB, Anand IS, **McCullough PA**, Chow SL. Utility of natriuretic peptides to assess and manage patients with heart failure receiving angiotensin receptor blocker/neprilysin inhibitor therapy. *Postgrad Med*. 2018 Apr;130(3):299-307. doi: 10.1080/00325481.2018.1440873. Epub 2018 Mar 29. Review. PubMed PMID: 29596012.
- M523) **McCullough PA**, Kluger AY. Interpreting the Wide Range of NT-proBNP Concentrations in Clinical Decision Making. *J Am Coll Cardiol*. 2018 Mar 20;71(11):1201-1203. doi: 10.1016/j.jacc.2018.01.056. PubMed PMID: 29544602.

Peter A. McCullough, M.D., M.P.H.

- M524) Turakhia MP, Blankestijn PJ, Carrero JJ, Clase CM, Deo R, Herzog CA, Kasner SE, Passman RS, Pecoits-Filho R, Reinecke H, Shroff GR, Zareba W, Cheung M, Wheeler DC, Winkelmayr WC, Wanner C; Conference Participants (**McCullough PA**) . Chronic kidney disease and arrhythmias: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. *Eur Heart J*. 2018 Mar 7. doi:10.1093/eurheartj/ehy060. [Epub ahead of print] PubMed PMID: 29522134.
- M525) Cherney DZI, Lytvyn Y, **McCullough PA**. Cardiovascular Risk Reduction in Patients With Chronic Kidney Disease: Potential for Targeting Inflammation With Canakinumab. *J Am Coll Cardiol*. 2018 May 29;71(21):2415-2418. doi:10.1016/j.jacc.2018.04.008. PubMed PMID: 29793630.
- M526) Barbin CM, Vasudevan A, Choi JW, **McCullough PA**, Schussler JM, Vallabhan RC, Stoler RC. Frequency of abnormal fractional flow reserve measurements among major coronary arteries. *Cardiovasc Revasc Med*. 2018 Apr 25. pii: S1553-8389(18)30145-3. doi: 10.1016/j.carrev.2018.04.015. [Epub ahead of print] PubMed PMID: 29807815.
- M527) Vasudevan A, Hundae A, Borodge D, **McCullough PA**, Wells PJ. Frequency of atrial arrhythmias after atrial flutter ablation and the effect of presenting rhythm on the day of ablation. *Proc (Bayl Univ Med Cent)*. 2018 May 14;31(3):280-283. doi: 10.1080/08998280.2018.1464305. eCollection 2018 Jul. PubMed PMID: 29904288; PubMed Central PMCID: PMC5997080.
- M528) Rengarajan R, **McCullough PA**, Chowdhury A, Tecson KM. Identifying suspected familial chylomicronemia syndrome. *Proc (Bayl Univ Med Cent)*. 2018 May 21;31(3):284-288. doi: 10.1080/08998280.2018.1463784. eCollection 2018 Jul. PubMed PMID: 29904289; PubMed Central PMCID: PMC5997083.
- M529) Maioli M, Toso A, Leoncini M, Musilli N, Grippo G, Ronco C, **McCullough PA**, Bellandi F. Bioimpedance-Guided Hydration for the Prevention of Contrast-Induced Kidney Injury: The HYDRA Study. *J Am Coll Cardiol*. 2018 Jun 26;71(25):2880-2889. doi: 10.1016/j.jacc.2018.04.022. PubMed PMID: 29929610.
- M530) **McCullough PA**, Uhlig K, Neylan JF, Pergola PE, Fishbane S. Usefulness of Oral Ferric Citrate in Patients With Iron-Deficiency Anemia and Chronic Kidney Disease With or Without Heart Failure. *Am J Cardiol*. 2018 Aug 15;122(4):683-688. doi: 10.1016/j.amjcard.2018.04.062. Epub 2018 May 19. PubMed PMID: 29961562.
- M531) de Albuquerque Rocha N, Neeland IJ, **McCullough PA**, Toto RD, McGuire DK. Effects of sodium glucose co-transporter 2 inhibitors on the kidney. *Diab Vasc Dis Res*. 2018 Sep;15(5):375-386. doi: 10.1177/1479164118783756. Epub 2018 Jul 2. Review. PubMed PMID: 29963920.

**Peter A. McCullough, M.D., M.P.H.**

- M532) Chaudhry RI, Mathew RO, Sidhu MS, Sidhu-Adler P, Lyubarova R, Rangaswami J, Salman L, Asif A, Fleg JL, **McCullough PA**, Maddux F, Bangalore S. Detection of Atherosclerotic Cardiovascular Disease in Patients with Advanced Chronic Kidney Disease in the Cardiology and Nephrology Communities. *Cardiorenal Med.* 2018;8(4):285-295. doi: 10.1159/000490768. Epub 2018 Aug 3. PubMed PMID:30078001.
- M533) Kazory A, **McCullough PA**, Rangaswami J, Ronco C. Cardioneurology: Proposal for a Futuristic Educational Approach to a Contemporary Need. *Cardiorenal Med.* 2018;8(4):296-301. doi: 10.1159/000490744. Epub 2018 Aug 8. Review. PubMed PMID: 30089281.
- M534) Kluger AY, **McCullough PA**. Semaglutide and GLP-1 analogues as weight-loss agents. *Lancet.* 2018 Aug 25;392(10148):615-616. doi: 10.1016/S0140-6736(18)31826-9. Epub 2018 Aug 16. PubMed PMID: 30122306.
- M535) Ambrosy AP, Mulder H, Coles A, Krauss WE, Lam CSP, **McCullough PA**, Pina I, Tromp J, Whellan DJ, O'Connor CM, Mentz RJ. Renal Function and Exercise Training in Ambulatory Heart Failure Patients With a Reduced Ejection Fraction. *Am J Cardiol.* 2018 Sep 15;122(6):999-1007. doi: 10.1016/j.amjcard.2018.06.011. Epub 2018 Jun 23. PubMed PMID: 30269900.
- M536) **McCullough PA**, Todoran TM, Brilakis ES, Ryan MP, Gunnarsson C. Rate of major adverse renal or cardiac events with iohexol compared to other low osmolar contrast media during interventional cardiovascular procedures. *Catheter Cardiovasc Interv.* 2018 Oct 2. doi: 10.1002/ccd.27807. [Epub ahead of print] PubMed PMID: 30280476.
- M537) **McCullough PA**, Soman S. Cardiorenal Syndrome: A Call to Action for a Pressing Medical Issue. *Adv Chronic Kidney Dis.* 2018 Sep;25(5):379-381. doi: 10.1053/j.ackd.2018.08.011. PubMed PMID: 30309454.
- M538) Rangaswami J, **McCullough PA**. Heart Failure in End-Stage Kidney Disease: Pathophysiology, Diagnosis, and Therapeutic Strategies. *Semin Nephrol.* 2018 Nov;38(6):600-617. doi: 10.1016/j.semnephrol.2018.08.005. Review. PubMed PMID: 30413254.
- M539) Goyal A, Chatterjee K, Mathew RO, Sidhu MS, Bangalore S, **McCullough PA**, Rangaswami J. In-Hospital Mortality and Major Adverse Cardiovascular Events after Kidney Transplantation in the United States. *Cardiorenal Med.* 2018 Nov 14;9(1):51-60. doi: 10.1159/000492731. [Epub ahead of print] PubMed PMID: 30428461.
- M540) **McCullough PA**. Treatment of Orthostatic Hypotension Due to Autonomic Dysfunction (Neurogenic Orthostatic Hypotension) in a Patient with Cardiovascular Disease and Parkinson's Disease. *Cardiol Ther.* 2019 Jun;8(1):145-150. Doi: 10.1007/s40119-018-0124-z. Epub 2019 Jan 9. PubMed PMID: 30627953.
- M541) Vasudevan A, Choi JW, Feghali GA, Lander SR, Jialiang L, Schussler JM, Stoler RC, Vallabhan RC, Velasco CE, **McCullough PA**. Event dependence in the analysis of cardiovascular



**Peter A. McCullough, M.D., M.P.H.**

readmissions postpercutaneous coronary intervention. *J Investig Med*. 2019 Jan 18. pii: jim-2018-000873. doi: 10.1136/jim-2018-000873. [Epub ahead of print] PubMed PMID: 30659091.

- M542) Rocha NA, **McCullough PA**. Cardiovascular outcomes in diabetic kidney disease: insights from recent clinical trials. *Kidney Int Suppl* (2011). 2018 Jan;8(1):8-17. doi: 10.1016/j.kisu.2017.10.004. Epub 2017 Dec 29. Review. PubMed PMID: 30675434; PubMed Central PMCID: PMC6336216.
- M543) Rangaswami J, Bhalla V, Blair JEA, Chang TI, Costa S, Lentine KL, Lerma EV, Mezue K, Molitch M, Mullens W, Ronco C, Tang WHW, **McCullough PA**; American Heart Association Council on the Kidney in Cardiovascular Disease and Council on Clinical Cardiology. Cardiorenal Syndrome: Classification, Pathophysiology, Diagnosis, and Treatment Strategies: A Scientific Statement From the American Heart Association. *Circulation*. 2019 Apr 16;139(16):e840-e878. doi: 10.1161/CIR.0000000000000664. PubMed PMID: 30852913.
- M544) Ball TN, Vasudevan A, Mi Ko J, Assar MD, **McCullough PA**, Stoler RC. Analysis of electrocardiographic intervals before and after transcatheter aortic valve implantation to predict the need for permanent pacing. *Proc (Bayl Univ Med Cent)*. 2018 Sep 11;31(4):407-413. doi: 10.1080/08998280.2018.1471884. eCollection 2018 Oct. PubMed PMID: 30948968; PubMed Central PMCID: PMC6413979.
- M545) Brown K, Adams J, **McCullough PA**. Comparison of reflex, resistance training, and core activities using change in blood pressure over time after spontaneous coronary artery dissection. *Proc (Bayl Univ Med Cent)*. 2019 Jan 14;32(1):113-115. doi: 10.1080/08998280.2018.1533308. eCollection 2019 Jan. PubMed PMID: 30956602; PubMed Central PMCID: PMC6442865.
- M546) Sudhakaran S, **McCullough PA**. Common laboratory parameters as indicators of multi-organ dysfunction in acute heart failure. *Eur J Heart Fail*. 2019 Apr 11. doi: 10.1002/ejhf.1466. [Epub ahead of print] PubMed PMID: 30972928.
- M547) Rangaswami J, Mathew RO, Parasuraman R, Tantisattamo E, Lubetzky M, Rao S, Yaqub MS, Birdwell KA, Bennett W, Dalal P, Kapoor R, Lerma EV, Lerman M, McCormick N, Bangalore S, **McCullough PA**, Dadhania DM. Cardiovascular disease in the kidney transplant recipient: epidemiology, diagnosis and management strategies. *Nephrol Dial Transplant*. 2019 May 1;34(5):760-773. doi: 10.1093/ndt/gfz053. PubMed PMID: 30984976.
- M548) Rangaswami J, Soman S, **McCullough PA**. Key Updates in Cardio-Nephrology from 2018: Springboard to a Bright Future. *Cardiorenal Med*. 2019 Apr 17;9(4):222-228. doi: 10.1159/000498916. [Epub ahead of print] PubMed PMID: 30995636.
- M549) Zhang J, Rocha NA, **McCullough PA**. Contribution of ApoCIII to Diabetic Dyslipidemia and Treatment With Volanesorsen. *Rev Cardiovasc Med*. 2018 Mar 30;19(1):13-19. doi: 10.31083/j.rcm.2018.01.890. PubMed PMID: 31032598.

**Peter A. McCullough, M.D., M.P.H.**

- M550) Tumlin JA, Roy-Chaudhury P, Koplan BA, Costea AI, Kher V, Williamson D, Pokhariyal S, Charytan DM; MiD investigators and Committees (**McCullough PA**). Relationship between dialytic parameters and reviewer confirmed arrhythmias in hemodialysis patients in the monitoring in dialysis study. *BMC Nephrol.* 2019 Mar 5;20(1):80. doi: 10.1186/s12882-019-1212-6. PubMed PMID: 30836948; PubMed Central PMCID: PMC6402171.
- M551) Kluger AY, Tecson KM, Barbin CM, Lee AY, Lerma EV, Rosol ZP, Rangaswami J, Lepor NE, Cobble ME, **McCullough PA**. Cardiorenal Outcomes in the CANVAS, DECLARE-TIMI 58, and EMPA-REG OUTCOME Trials: A Systematic Review. *Rev Cardiovasc Med.* 2018 Jun 30;19(2):41-49. doi: 10.31083/j.rcm.2018.02.907. PubMed PMID: 31032602.
- M552) **McCullough PA**, Kluger AY, Tecson KM, Barbin CM, Lee AY, Lerma EV, Rosol ZP, Kluger SL, Rangaswami J. Inhibition of the Sodium-Proton Antiporter (Exchanger) is a Plausible Mechanism of Potential Benefit and Harm for Drugs Designed to Block Sodium Glucose Co-transporter 2. *Rev Cardiovasc Med.* 2018 Jun 30;19(2):51-63. doi: 10.31083/j.rcm.2018.02.021. PubMed PMID: 31032603.
- M553) Zanolli L, Lentini P, Briet M, Castellino P, House AA, London GM, Malatino L, **McCullough PA**, Mikhailidis DP, Boutouyrie P. Arterial Stiffness in the Heart Disease of CKD. *J Am Soc Nephrol.* 2019 Apr 30. pii: ASN.2019020117. doi: 10.1681/ASN.2019020117. [Epub ahead of print] PubMed PMID: 31040188.
- M554) House AA, Wanner C, Sarnak MJ, Piña IL, McIntyre CW, Komenda P, Kasiske BL, Deswal A, deFilippi CR, Cleland JGF, Anker SD, Herzog CA, Cheung M, Wheeler DC, Winkelmayr WC, **McCullough PA**; Conference Participants. Heart failure in chronic kidney disease: conclusions from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. *Kidney Int.* 2019 Apr 30. pii: S0085-2538(19)30276-5. doi: 10.1016/j.kint.2019.02.022. [Epub ahead of print] PubMed PMID: 31053387.
- M555) Sudhakaran S, Bottiglieri T, Tecson KM, Kluger AY, **McCullough PA**. Alteration of lipid metabolism in chronic kidney disease, the role of novel antihyperlipidemic agents, and future directions. *Rev Cardiovasc Med.* 2018 Sep 30;19(3):77-88. doi: 10.31083/j.rcm.2018.03.908. PubMed PMID: 31054556.
- M556) Rangaswami J, Soman S, **McCullough PA**. Key updates in Cardio-Nephrology from 2018: springboard to a bright Future. *Rev Cardiovasc Med.* 2018 Dec 30;19(4):113-116. doi: 10.31083/j.rcm.2018.04.896. PubMed PMID: 31064161.
- M557) Tecson KM, Hashemi H, Afzal A, Gong TA, Kale P, **McCullough PA**. Community-Acquired Acute Kidney Injury as a Risk Factor of de novo Heart Failure Hospitalization. *Cardiorenal Med.* 2019 May 10;9(4):252-260. doi: 10.1159/000499669. [Epub ahead of print] PubMed PMID: 31079099.

**Peter A. McCullough, M.D., M.P.H.**

- M558) Tumlin JA, Roy-Chaudhury P, Koplan BA, Costea AI, Kher V, Williamson D, Pokhariyal S, Charytan DM; MiD investigators and Committees (**McCullough PA**). Relationship between dialytic parameters and reviewer confirmed arrhythmias in hemodialysis patients in the monitoring in dialysis study. *BMC Nephrol.* 2019 Mar 5;20(1):80. doi:10.1186/s12882-019-1212-6. PubMed PMID: 30836948; PubMed Central PMCID:PMC6402171.
- M559) Vijayaraghavan K, **McCullough PA**, Singh B, Gupta M, Enas E, Mohan V, Misra A, Deedwania P, Brinton EA; for the Consensus Panel Steering Committee . Cardiometabolic-Renal Disease in South Asians: Consensus Recommendations from the Cardio Renal Society of America. *Cardiorenal Med.* 2019 May 10;9(4):240-251. doi: 10.1159/000499341. [Epub ahead of print] PubMed PMID: 31079117.
- M560) **McCullough PA**, Mehta HS, Cork DP, Barker CM, Gunnarsson C, Mollenkopf S, Van Houten J, Verta P. The healthcare burden of disease progression in Medicare patients with functional mitral regurgitation. *J Med Econ.* 2019 May 20:1. doi: 10.1080/13696998.2019.1621325. [Epub ahead of print] PubMed PMID: 31104524.
- M561) Spinowitz BS, Fishbane S, Pergola PE, Roger SD, Lerma EV, Butler J, von Haehling S, Adler SH, Zhao J, Singh B, Lavin PT, **McCullough PA**, Kosiborod M, Packham DK; ZS-005 Study Investigators. Sodium Zirconium Cyclosilicate among Individuals with Hyperkalemia: A 12-Month Phase 3 Study. *Clin J Am Soc Nephrol.* 2019 May 20. pii: CJN.12651018. doi: 10.2215/CJN.12651018. [Epub ahead of print] PubMed PMID: 31110051.
- M562) Rangaswami J, **McCullough PA**. Clinical Context of Dyskalemias Across the Heart Failure Spectrum and Their Associated Adverse Outcomes. *JACC Heart Fail.* 2019 Jun;7(6):533. doi: 10.1016/j.jchf.2019.01.005. PubMed PMID: 31146878.
- M563) Ahmad FS, Kallen MA, Schifferdecker KE, Carluzzo KL, Yount SE, Gelow JM, **McCullough PA**, Kimmel SE, Fisher ES, Cella D. Development and Initial Validation of the PROMIS®-Plus-HF Profile Measure. *Circ Heart Fail.* 2019 Jun;12(6):e005751. doi: 10.1161/CIRCHEARTFAILURE.118.005751. Epub 2019 Jun 5. PubMed PMID: 31163985; PubMed Central PMCID: PMC6711378.
- M564) Rizk DV, Silva AL, Pergola PE, Toto R, Warnock DG, Chin MP, Goldsberry A, O'Grady M, Meyer CJ, **McCullough PA**. Effects of Bardoxolone Methyl on Magnesium in Patients with Type 2 Diabetes Mellitus and Chronic Kidney Disease. *Cardiorenal Med.* 2019;9(5):316-325. doi: 10.1159/000500612. Epub 2019 Jun 6. PubMed PMID: 31170712.
- M565) Vasudevan A, Choi JW, Feghali GA, Kluger AY, Lander SR, Tecson KM, Sathyamoorthy M, Schussler JM, Stoler RC, Vallabhan RC, Velasco CE, Yoon A, **McCullough PA**. First and recurrent events after percutaneous coronary intervention: implications for survival analyses. *Scand Cardiovasc J.* 2019 Jul 25:1-6. doi: 10.1080/14017431.2019.1645349. [Epub ahead of print] PubMed PMID: 31315473.

Peter A. McCullough, M.D., M.P.H.

- M566) Cedars A, Tecson KM, Zaidi AN, Lorts A, **McCullough PA**. Impact of Durable Ventricular Assist Device Support on Outcomes of Patients with Congenital Heart Disease Waiting for Heart Transplant. *ASAIO J*. 2019 Jul 15. doi:10.1097/MAT.0000000000001041. [Epub ahead of print] PubMed PMID: 31335373.
- M567) Rangaswami J, Bangalore S, Kaplan B, Birdwell KA, Wiseman AC, **McCullough PA**, Dadhania DM. Cardiovascular disease care fragmentation in kidney transplantation: a call for action. *Kidney Int*. 2019 Sep;96(3):568-571. doi: 10.1016/j.kint.2019.04.042. Epub 2019 Jun 10. PubMed PMID: 31349974.
- M568) Rossing P, Block GA, Chin MP, Goldsberry A, Heerspink HJL, **McCullough PA**, Meyer CJ, Packham D, Pergola PE, Spinowitz B, Sprague SM, Warnock DG, Chertow GM. Effect of bardoxolone methyl on the urine albumin-to-creatinine ratio in patients with type 2 diabetes and stage 4 chronic kidney disease. *Kidney Int*. 2019 May 16. pii: S0085-2538(19)30503-4. doi: 10.1016/j.kint.2019.04.027. [Epub ahead of print] PubMed PMID: 31377056.
- M569) Kluger AY, Tecson KM, Lee AY, Lerma EV, Rangaswami J, Lepor NE, Cobble ME, **McCullough PA**. Class effects of SGLT2 inhibitors on cardiorenal outcomes. *Cardiovasc Diabetol*. 2019 Aug 5;18(1):99. doi: 10.1186/s12933-019-0903-4. Review. PubMed PMID: 31382965; PubMed Central PMCID: PMC6683461.
- M570) **McCullough PA**, Mehta HS, Barker CM, Cork DP, Gunnarsson C, Ryan MP, Baker ER, Van Houten J, Mollenkopf S, Verta P. The Economic Impact of Mitral Regurgitation on Patients With Medically Managed Heart Failure. *Am J Cardiol*. 2019 Oct 15;124(8):1226-1231. doi: 10.1016/j.amjcard.2019.07.033. Epub 2019 Jul 30. PubMed PMID: 31470974.
- M571) Singhanian G, Ejaz AA, **McCullough PA**, Kluger AY, Balamuthusamy S, Dass B, Singhanian N, Agarwal A. Continuation of Chronic Heart Failure Therapies During Heart Failure Hospitalization - a Review. *Rev Cardiovasc Med*. 2019 Sep 30;20(3):111-120. doi: 10.31083/j.rcm.2019.03.562. Review. PubMed PMID: 31601085.
- M572) **McCullough PA**, Ostermann M, Forni LG, Bihorac A, Koyner JL, Chawla LS, Shi J, Kampf JP, McPherson P, Kellum JA; the Sapphire Investigators. Serial Urinary Tissue Inhibitor of Metalloproteinase-2 and Insulin-Like Growth Factor-Binding Protein 7 and the Prognosis for Acute Kidney Injury over the Course of Critical Illness. *Cardiorenal Med*. 2019;9(6):358-369. doi: 10.1159/000502837. Epub 2019 Oct 16. PubMed PMID: 31618746.
- M573) Husain-Syed F, Birk HW, Ronco C, Schörmann T, Tello K, Richter MJ, Wilhelm J, Sommer N, Steyerberg E, Bauer P, Walmrath HD, Seeger W, **McCullough PA**, Gall H, Ghofrani HA. Doppler-Derived Renal Venous Stasis Index in the Prognosis of Right Heart Failure. *J Am Heart Assoc*. 2019 Nov 5;8(21):e013584. doi: 10.1161/JAHA.119.013584. Epub 2019 Oct 19. PubMed PMID: 31630601; PubMed Central PMCID: PMC6898799.

Peter A. McCullough, M.D., M.P.H.

- M574) Haq A, **McCullough PA**. The Promise of next generation sequencing micro RNA for the discovery of new targets in contrast induced acute kidney injury. *Ann Transl Med*. 2019 Sep;7(18):424. doi: 10.21037/atm.2019.07.83. PubMed PMID: 31700860; PubMed Central PMCID: PMC6803241.
- M575) Lo KB, Gul F, Ram P, Kluger AY, Tecson KM, **McCullough PA**, Rangaswami J. The Effects of SGLT2 Inhibitors on Cardiovascular and Renal Outcomes in Diabetic Patients: A Systematic Review and Meta-Analysis. *Cardiorenal Med*. 2020;10(1):1-10. doi: 10.1159/000503919. Epub 2019 Nov 19. PubMed PMID: 31743918.
- M576) Raju B, **McCullough PA**. Circulating plasma dipeptidyl dipeptidase 3 and the prognosis of cardiogenic shock. *Eur J Heart Fail*. 2020 Feb;22(2):287-289. doi:10.1002/ejhf.1623. Epub 2019 Nov 28. PubMed PMID: 31779037.
- M577) Husain-Syed F, Birk HW, Tello K, Richter MJ, Ronco C, **McCullough PA**, Schörmann T, Ferrari F, Yücel G, Yazdani B, Walmrath HD, Seeger W, Gall H, Ghofrani HA. Alterations in Doppler-derived renal venous stasis index during decompensation of right heart failure and fluid overload in a patient with pulmonary hypertension. *Rev Cardiovasc Med*. 2019 Dec 30;20(4):263-266. doi: 10.31083/j.rcm.2019.04.564. PubMed PMID: 31912717.
- M578) Weir MR, **McCullough PA**, Buse JB, Anderson J. Renal and Cardiovascular Effects of Sodium Glucose Co-Transporter 2 Inhibitors in Patients with Type 2 Diabetes and Chronic Kidney Disease: Perspectives on the Canagliflozin and Renal Events in Diabetes with Established Nephropathy Clinical Evaluation Trial Results. *Am J Nephrol*. 2020;51(4):276-288. doi: 10.1159/000506533. Epub 2020 Mar 13. PMID: 32172239.
- M579) Cork DP, **McCullough PA**, Mehta HS, Barker CM, Van Houten J, Gunnarsson C, Ryan MP, Baker ER, Mollenkopf S, Verta P. The economic impact of clinically significant tricuspid regurgitation in a large, administrative claims database. *J Med Econ*. 2020 Mar 2:1-8. doi: 10.1080/13696998.2020.1718681. [Epub ahead of print] PubMed PMID: 31952454.
- M580) Xu MX, Teng RL, Ruddy TD, Schoenhagen P, Bartel T, Di Bartolomeo R, Aksoy O, Desai M, von Kodolitsch Y, Escaned J, **McCullough PA**, Vasudevan A, Shen CX, Zhao X, Zhou YF, Xu HF, Cheng XJ, He YM; written on behalf of the AME Interventional Cardiology Collaborative Group. The CatLet score: a new coronary angiographic scoring tool accommodating the variable coronary anatomy for the first time. *J Thorac Dis*. 2019 Dec;11(12):5199-5209. doi: 10.21037/jtd.2019.12.18. PubMed PMID: 32030237; PubMed Central PMCID: PMC6988012.
- M581) Gopalakrishnan A, Mossaid A, Lo KB, Vasudevan V, **McCullough PA**, Rangaswami J. Fulminant Acute Kidney Injury in a Young Patient with Novel Coronavirus 2019. *Cardiorenal Med*. 2020;10(4):217-222. doi: 10.1159/000508179. Epub 2020 May 6. PMID: 32375150; PMCID: PMC7251584.

Peter A. McCullough, M.D., M.P.H.

- M582) **McCullough PA**. Prevention Guidelines as Failed Minimal Standards of Care. *Am J Cardiol*. 2020 May 1;125(9):1441-1442. doi: 10.1016/j.amjcard.2020.02.001. Epub 2020 Feb 13. PMID: 32145899.
- M583) Rosol ZP, Kopecky KF, Minehart BR, Tecson KM, Vasudevan A, **McCullough PA**, Grayburn PA, Schussler JM. Limitations of transoesophageal echocardiogram in acute ischaemic stroke. *Open Heart*. 2020 Mar 24;7(1):e001176. doi: 10.1136/openhrt-2019-001176. PMID: 32257245; PMCID: PMC7103838.
- M584) Lo KB, **McCullough PA**, Rangaswami J. Antihypertensive drugs and risk of COVID-19? *Lancet Respir Med*. 2020 May;8(5):e29. doi: 10.1016/S2213-2600(20)30156-9. Epub 2020 Mar 26. PMID: 32222167; PMCID: PMC7194509.
- M585) Spertus JA, Jones PG, Maron DJ, O'Brien SM, Reynolds HR, Rosenberg Y, Stone GW, Harrell FE Jr, Boden WE, Weintraub WS, Baloch K, Mavromatis K, Diaz A, Gosselin G, Newman JD, Mavromichalis S, Alexander KP, Cohen DJ, Bangalore S, Hochman JS, Mark DB; ISCHEMIA Research Group (**McCullough PA**, Optimal Medical Management Committee). Health-Status Outcomes with Invasive or Conservative Care in Coronary Disease. *N Engl J Med*. 2020 Apr 9;382(15):1408-1419. doi: 10.1056/NEJMoa1916370. Epub 2020 Mar 30. PMID: 32227753; PMCID: PMC7261489.
- M586) Spertus JA, Jones PG, Maron DJ, Mark DB, O'Brien SM, Fleg JL, Reynolds HR, Stone GW, Sidhu MS, Chaitman BR, Chertow GM, Hochman JS, Bangalore S; ISCHEMIA-CKD Research Group (**McCullough PA** Steering Committee). Health Status after Invasive or Conservative Care in Coronary and Advanced Kidney Disease. *N Engl J Med*. 2020 Apr 23;382(17):1619-1628. doi: 10.1056/NEJMoa1916374. Epub 2020 Mar 30. PMID: 32227754; PMCID: PMC7255621.
- M587) Maron DJ, Hochman JS, Reynolds HR, Bangalore S, O'Brien SM, Boden WE, Chaitman BR, Senior R, López-Sendón J, Alexander KP, Lopes RD, Shaw LJ, Berger JS, Newman JD, Sidhu MS, Goodman SG, Ruzyllo W, Gosselin G, Maggioni AP, White HD, Bhargava B, Min JK, Mancini GBJ, Berman DS, Picard MH, Kwong RY, Ali ZA, Mark DB, Spertus JA, Krishnan MN, Elghamaz A, Moorthy N, Hueb WA, Demkow M, Mavromatis K, Bockeria O, Peteiro J, Miller TD, Szwed H, Doerr R, Keltai M, Selvanayagam JB, Steg PG, Held C, Kohsaka S, Mavromichalis S, Kirby R, Jeffries NO, Harrell FE Jr, Rockhold FW, Broderick S, Ferguson TB Jr, Williams DO, Harrington RA, Stone GW, Rosenberg Y; ISCHEMIA Research Group (**McCullough PA**, Optimal Medical Management Committee). Initial Invasive or Conservative Strategy for Stable Coronary Disease. *N Engl J Med*. 2020 Apr 9;382(15):1395-1407. doi: 10.1056/NEJMoa1915922. Epub 2020 Mar 30. PMID: 32227755; PMCID: PMC7263833.
- M588) Bangalore S, Maron DJ, O'Brien SM, Fleg JL, Kretov EI, Briguori C, Kaul U, Reynolds HR, Mazurek T, Sidhu MS, Berger JS, Mathew RO, Bockeria O, Broderick S, Pracon R, Herzog CA, Huang Z, Stone GW, Boden WE, Newman JD, Ali ZA, Mark DB, Spertus JA, Alexander KP, Chaitman BR, Chertow GM, Hochman JS; ISCHEMIA-CKD Research Group (**McCullough PA** Steering Committee). Management of Coronary Disease in Patients with Advanced Kidney

**Peter A. McCullough, M.D., M.P.H.**

Disease. *N Engl J Med.* 2020 Apr 23;382(17):1608-1618. doi: 10.1056/NEJMoa1915925. Epub 2020 Mar 30. PMID: 32227756; PMCID: PMC7274537.

M589) Packer M, Butler J, Filippatos GS, Jamal W, Salsali A, Schnee J, Kimura K, Zeller C, George J, Brueckmann M, Anker SD, Zannad F; EMPEROR-Reduced Trial Committees and Investigators (**McCullough PA**, Steering Committee). Evaluation of the effect of sodium-glucose co-transporter 2 inhibition with empagliflozin on morbidity and mortality of patients with chronic heart failure and a reduced ejection fraction: rationale for and design of the EMPEROR-Reduced trial. *Eur J Heart Fail.* 2019 Oct;21(10):1270-1278. doi: 10.1002/ejhf.1536. Epub 2019 Jul 16. PubMed PMID:31584231.

M590) Anker SD, Butler J, Filippatos GS, Jamal W, Salsali A, Schnee J, Kimura K, Zeller C, George J, Brueckmann M, Zannad F, Packer M; EMPEROR-Preserved Trial Committees and Investigators (**McCullough PA**, Steering Committee). Evaluation of the effects of sodium-glucose co-transporter 2 inhibition with empagliflozin on morbidity and mortality in patients with chronic heart failure and a preserved ejection fraction: rationale for and design of the EMPEROR-Preserved Trial. *Eur J Heart Fail.* 2019 Oct;21(10):1279-1287. doi: 10.1002/ejhf.1596. Epub 2019 Sep 16. PubMed PMID: 31523904.

M591) Roger SD, Lavin PT, Lerma EV, **McCullough PA**, Butler J, Spinowitz BS, von Haehling S, Kosiborod M, Zhao J, Fishbane S, Packham DK. Long-term safety and efficacy of sodium zirconium cyclosilicate for hyperkalaemia in patients with mild/moderate versus severe/end-stage chronic kidney disease: comparative results from an open-label, Phase 3 study. *Nephrol Dial Transplant.* 2020 Feb 6. pii:gfz285. doi: 10.1093/ndt/gfz285. [Epub ahead of print] PubMed PMID: 32030422.

M592) Oliveros E, Oni ET, Shahzad A, Kluger AY, Lo KB, Rangaswami J, **McCullough PA**. Benefits and Risks of Continuing Angiotensin-Converting Enzyme Inhibitors, Angiotensin II Receptor Antagonists, and Mineralocorticoid Receptor Antagonists during Hospitalizations for Acute Heart Failure. *Cardiorenal Med.* 2020;10(2):69-84. doi: 10.1159/000504167. Epub 2020 Feb 14. Review. PubMed PMID: 32062648.

M593) **McCullough PA**, Eidt J, Rangaswami J, Lerma E, Tumlin J, Wheelan K, Katz N, Lepor NE, Vijay K, Soman S, Singh B, McCullough SP, McCullough HB, Palazzuoli A, Ruocco GM, Ronco C. Urgent need for individual mobile phone and institutional reporting of at home, hospitalized, and intensive care unit cases of SARS-CoV-2 (COVID-19) infection. *Rev Cardiovasc Med.* 2020 Mar 30;21(1):1-7. doi: 10.31083/j.rcm.2020.01.42. PMID: 32259899.

M594) Ronco F, Tarantini G, **McCullough PA**. Contrast induced acute kidney injury in interventional cardiology: an update and key guidance for clinicians. *Rev Cardiovasc Med.* 2020 Mar 30;21(1):9-23. doi: 10.31083/j.rcm.2020.01.44. PMID: 32259900.

M595) Agrawal A, Virk HUH, Riaz I, Jain D, Tripathi B, Krittanawong C, Bozorgnia B, Figueredo V, **McCullough PA**, Rangaswami J. Predictors of 30-day re-admissions in patients with infective

**Peter A. McCullough, M.D., M.P.H.**

endocarditis: a national population based cohort study. *Rev Cardiovasc Med.* 2020 Mar 30;21(1):123-127. doi: 10.31083/j.rcm.2020.01.552. PMID: 32259911.

- M596) Kazory A, Ronco C, **McCullough PA**. SARS-CoV-2 (COVID-19) and intravascular volume management strategies in the critically ill. *Proc (Bayl Univ Med Cent)*. 2020 Apr 16;0(0):1-6. doi: 10.1080/08998280.2020.1754700. PMID: 32336959; PMCID: PMC7171388.
- M597) Cedars A, Tecson KM, Zaidi AN, Lorts A, **McCullough PA**. Impact of Durable Ventricular Assist Device Support on Outcomes of Patients with Congenital Heart Disease Waiting for Heart Transplant. *ASAIO J.* 2020 May;66(5):513-519. doi: 10.1097/MAT.0000000000001041. PMID: 31335373.
- M598) Lo KB, **McCullough PA**, Rangaswami J. Mediators of the Effects of Canagliflozin on Heart Failure: Central Role of the Cardiorenal Axis. *JACC Heart Fail.* 2020 May;8(5):426. doi: 10.1016/j.jchf.2020.01.013. PMID: 32354418.
- M599) Glenister RT, **McCullough PA**. Analysing risk in heart failure: a Kalium check. *Eur J Heart Fail.* 2020 May 10. doi: 10.1002/ejhf.1855. Epub ahead of print. PMID: 32390265.
- M600) **McCullough PA**, Arunthamakun J. Disconnect between community testing and hospitalization for SARS-CoV-2 (COVID-19) infection. *Proc (Bayl Univ Med Cent)*. 2020 May 14;33(3):481. doi: 10.1080/08998280.2020.1762439. PMID: 32675999; PMCID: PMC7340440.
- M601) Cork DP, **McCullough PA**, Mehta HS, Barker CM, Gunnarsson C, Ryan MP, Baker ER, Van Houten J, Mollenkopf S, Verta P. Impact of mitral regurgitation on cardiovascular hospitalization and death in newly diagnosed heart failure patients. *ESC Heart Fail.* 2020 Aug;7(4):1502-1509. doi: 10.1002/ehf2.12653. Epub 2020 May 29. PMID: 32469120; PMCID: PMC7373926.
- M602) Gul F, Lo KB, Peterson J, **McCullough PA**, Goyal A, Rangaswami J. Meta-analysis of outcomes of patients with COVID-19 infection with versus without gastrointestinal symptoms. *Proc (Bayl Univ Med Cent)*. 2020 May 29;33(3):366-369. doi: 10.1080/08998280.2020.1771164. PMID: 32669979; PMCID: PMC7265105.
- M603) Briedis K, Aldujeli A, Aldujeili M, Briede K, Zaliunas R, Hamadeh A, Stoler RC, **McCullough PA**. Considerations for Management of Acute Coronary Syndromes During the SARS-CoV-2 (COVID-19) Pandemic. *Am J Cardiol.* 2020 Sep 15;131:115-119. doi: 10.1016/j.amjcard.2020.06.039. Epub 2020 Jun 30. PMID: 32723554; PMCID: PMC7324338.
- M604) Hamadeh A, Aldujeli A, Briedis K, Tecson KM, Sanz-Sánchez J, Al Dujeili M, Al-Obeidi A, Diez JL, Žaliūnas R, Stoler RC, **McCullough PA**. Characteristics and Outcomes in Patients Presenting With COVID-19 and ST-Segment Elevation Myocardial Infarction. *Am J Cardiol.* 2020 Sep 15;131:1-6. doi: 10.1016/j.amjcard.2020.06.063. Epub 2020 Jul 3. PMID: 32732010; PMCID: PMC7333635.



Peter A. McCullough, M.D., M.P.H.

- M605) Raju B, Roberts CS, Sathyamoorthy M, Schiffman R, Swift C, **McCullough PA**. Ventricular Septal Myectomy for the Treatment of Left Ventricular Outflow Tract Obstruction Due to Fabry Disease. *Am J Cardiol*. 2020 Oct 1;132:160-164. doi: 10.1016/j.amjcard.2020.07.020. Epub 2020 Jul 13. PMID: 32773220.
- M606) Velasco CE, Suarez NP, Roullard CP, **McCullough PA**, Roberts WC. Usefulness of coronary angiography in patients with left atrial myxoma. *Proc (Bayl Univ Med Cent)*. 2020 Jul 6;33(4):529-531. doi: 10.1080/08998280.2020.1776024. PMID: 33100521; PMCID: PMC7549987.
- M607) Gupta S, Hayek SS, Wang W, Chan L, Mathews KS, Melamed ML, Brenner SK, Leonberg-Yoo A, Schenck EJ, Radbel J, Reiser J, Bansal A, Srivastava A, Zhou Y, Sutherland A, Green A, Shehata AM, Goyal N, Vijayan A, Velez JCQ, Shaefi S, Parikh CR, Arunthamakun J, Athavale AM, Friedman AN, Short SAP, Kibbelaar ZA, Abu Omar S, Admon AJ, Donnelly JP, Gershengorn HB, Hernán MA, Semler MW, Leaf DE; STOP-COVID Investigators (**McCullough PA**, Site Investigator). Factors Associated With Death in Critically Ill Patients With Coronavirus Disease 2019 in the US. *JAMA Intern Med*. 2020 Jul 15:e203596. doi: 10.1001/jamainternmed.2020.3596. Epub ahead of print. PMID: 32667668; PMCID: PMC7364338.
- M608) Molnar MZ, Bhalla A, Azhar A, Tsujita M, Talwar M, Balaraman V, Sodhi A, Kadaria D, Eason JD, Hayek SS, Coca SG, Shaefi S, Neyra JA, Gupta S, Leaf DE, Kovesdy CP; STOP-COVID Investigators (**McCullough PA**, Site Investigator). Outcomes of critically ill solid organ transplant patients with COVID-19 in the United States. *Am J Transplant*. 2020 Nov;20(11):3061-3071. doi: 10.1111/ajt.16280. Epub 2020 Sep 15. PMID: 32844546; PMCID: PMC7460925.
- M609) Singhania N, Bansal S, Nimmatoori DP, Ejaz AA, **McCullough PA**, Singhania G. Current Overview on Hypercoagulability in COVID-19. *Am J Cardiovasc Drugs*. 2020 Aug 4:1–11. doi: 10.1007/s40256-020-00431-z. Epub ahead of print. PMID: 32748336; PMCID: PMC7398761.
- M610) **McCullough PA**, Kelly RJ, Ruocco G, Lerma E, Tumlin J, Wheelan KR, Katz N, Lepor NE, Vijay K, Carter H, Singh B, McCullough SP, Bhambi BK, Palazzuoli A, De Ferrari GM, Milligan GP, Safder T, Tecson KM, Wang DD, McKinnon JE, O'Neill WW, Zervos M, Risch HA. Pathophysiological Basis and Rationale for Early Outpatient Treatment of SARS-CoV-2 (COVID-19) Infection. *Am J Med*. 2020 Aug 7:S0002-9343(20)30673-2. doi: 10.1016/j.amjmed.2020.07.003. Epub ahead of print. PMID: 32771461; PMCID: PMC7410805.
- M611) Raal FJ, Rosenson RS, Reeskamp LF, Hovingh GK, Kastelein JJP, Rubba P, Ali S, Banerjee P, Chan KC, Gipe DA, Khillan N, Pordy R, Weinreich DM, Yancopoulos GD, Zhang Y, Gaudet D; ELIPSE HoFH Investigators (**McCullough PA** Site Investigator). Evinacumab for Homozygous Familial Hypercholesterolemia. *N Engl J Med*. 2020 Aug 20;383(8):711-720. doi: 10.1056/NEJMoa2004215. PMID: 32813947.

Peter A. McCullough, M.D., M.P.H.

- M612) Elsaid O, **McCullough PA**, Tecson KM, Williams RS, Yoon A. Ventricular Fibrillation Storm in Coronavirus 2019. *Am J Cardiol.* 2020 Aug 29;S0002-9149(20)30890-0. doi: 10.1016/j.amjcard.2020.08.033. Epub ahead of print. PMID: 32871109; PMCID: PMC7455792.
- M613) Goyal A, Lo KB, Chatterjee K, Mathew RO, **McCullough PA**, Bangalore S, Rangaswami J. Acute coronary syndromes in the peri-operative period after kidney transplantation in United States. *Clin Transplant.* 2020 Sep 18:e14083. doi: 10.1111/ctr.14083. Epub ahead of print. PMID: 32946629.
- M614) Palazzuoli A, Ruberto F, De Ferrari GM, Forleo G, Secco GG, Ruocco GM, D'Ascenzo F, Mojoli F, Monticone S, Paggi A, Vicenzi M, Corcione S, Palazzo AG, Landolina M, Taravelli E, Tavazzi G, Blasi F, Mancone M, Birtolo LI, Alessandri F, Infusino F, Pugliese F, Fedele F, De Rosa FG, Emmett M, Schussler JM, **McCullough PA**, Tecson KM. Inpatient Mortality According to Level of Respiratory Support Received for Severe Acute Respiratory Syndrome Coronavirus 2 (Coronavirus Disease 2019) Infection: A Prospective Multicenter Study. *Crit Care Explor.* 2020 Sep 18;2(9):e0220. doi: 10.1097/CCE.0000000000000220. PMID: 32984838; PMCID: PMC7505344.
- M615) **McCullough PA**. Favipiravir and the Need for Early Ambulatory Treatment of SARS-CoV-2 Infection (COVID-19). *Antimicrob Agents Chemother.* 2020 Nov 17;64(12):e02017-20. doi: 10.1128/AAC.02017-20. PMID: 32967849; PMCID: PMC7674042.
- M616) Rangaswami J, Bhalla V, de Boer IH, Staruschenko A, Sharp JA, Singh RR, Lo KB, Tuttle K, Vaduganathan M, Ventura H, **McCullough PA**; American Heart Association Council on the Kidney in Cardiovascular Disease; Council on Arteriosclerosis, Thrombosis and Vascular Biology; Council on Cardiovascular and Stroke Nursing; Council on Clinical Cardiology; and Council on Lifestyle and Cardiometabolic Health. Cardiorenal Protection With the Newer Antidiabetic Agents in Patients With Diabetes and Chronic Kidney Disease: A Scientific Statement From the American Heart Association. *Circulation.* 2020 Sep 28;CIR00000000000000920. doi: 10.1161/CIR.00000000000000920. Epub ahead of print. PMID: 32981345.
- M617) Ruocco G, **McCullough PA**, Tecson KM, Mancone M, De Ferrari GM, D'Ascenzo F, De Rosa FG, Paggi A, Forleo G, Secco GG, Pistis G, Monticone S, Vicenzi M, Rota I, Blasi F, Pugliese F, Fedele F, Palazzuoli A. Mortality Risk Assessment Using CHA(2)DS(2)-VASc Scores in Patients Hospitalized With Coronavirus Disease 2019 Infection. *Am J Cardiol.* 2020 Sep 28;S0002-9149(20)31004-3. doi: 10.1016/j.amjcard.2020.09.029. Epub ahead of print. PMID: 32991860; PMCID: PMC7521434.
- M618) Hayek SS, Brenner SK, Azam TU, Shadid HR, Anderson E, Berlin H, Pan M, Meloche C, Feroz R, O'Hayer P, Kaakati R, Bitar A, Padalia K, Perry D, Blakely P, Gupta S, Shaefi S, Srivastava A, Charytan DM, Bansal A, Mallappallil M, Melamed ML, Shehata AM, Sunderram J, Mathews KS, Sutherland AK, Nallamotheu BK, Leaf DE; STOP-COVID Investigators (**McCullough PA** Site Investigator). In-hospital cardiac arrest in critically ill patients with covid-19: multicenter cohort

Peter A. McCullough, M.D., M.P.H.

study. *BMJ*. 2020 Sep 30;371:m3513. doi: 10.1136/bmj.m3513. PMID: 32998872; PMCID: PMC7525342.

- M619) Lo KB, Bhargav R, Salacup G, Pelayo J, Albano J, **McCullough PA**, Rangaswami J. Angiotensin converting enzyme inhibitors and angiotensin II receptor blockers and outcomes in patients with COVID-19: a systematic review and meta-analysis. *Expert Rev Cardiovasc Ther*. 2020 Oct 5:1-12. doi: 10.1080/14779072.2020.1826308. Epub ahead of print. PMID: 32945216.
- M620) Palazzuoli A, Mancone M, De Ferrari GM, Forleo G, Secco GG, Ruocco GM, D'Ascenzo F, Monticone S, Paggi A, Vicenzi M, Palazzo AG, Landolina M, Taravelli E, Tavazzi G, Blasi F, Infusino F, Fedele F, De Rosa FG, Emmett M, Schussler JM, Tecson KM, **McCullough PA**. Antecedent Administration of Angiotensin Converting Enzyme Inhibitors or Angiotensin II Receptor Antagonists and Survival After Hospitalization for SARS-CoV-2 (COVID-19). *J Am Heart Assoc*. 2020 Oct 7:e017364. doi: 10.1161/JAHA.120.017364. Epub ahead of print. PMID: 33023356.
- M621) Zhang J, Tecson KM, **McCullough PA**. Endothelial dysfunction contributes to COVID-19-associated vascular inflammation and coagulopathy. *Reviews in Cardiovascular Medicine*, 2020, 21(3): 315-319. DOI: 10.31083/j.rcm.2020.03.126  
<https://rcm.imrpress.com/EN/10.31083/j.rcm.2020.03.126>
- M622) Zhang J, **McCullough PA**, Tecson KM. Vitamin D deficiency in association with endothelial dysfunction: Implications for patients with COVID-19. *Reviews in Cardiovascular Medicine*, 2020, 21(3): 339-344. DOI: 10.31083/j.rcm.2020.03.131  
<https://rcm.imrpress.com/EN/10.31083/j.rcm.2020.03.131>
- M623) **McCullough PA** Innovative Early Sequenced Multidrug Therapy for Sars-Cov-2 (Covid-19) Infection to Reduce Hospitalization and Death International Journal of Medical Science and Clinical Invention7(12): 5139-5150, 2020 DOI:10.18535/ijmsci/v7i12.02
- M624) Flythe JE, Assimon MM, Tugman MJ, Chang EH, Gupta S, Shah J, Sosa MA, Renaghan AD, Melamed ML, Wilson FP, Neyra JA, Rashidi A, Boyle SM, Anand S, Christov M, Thomas LF, Edmonston D, Leaf DE; STOP-COVID Investigators (**McCullough PA** Site Investigator). Characteristics and Outcomes of Individuals With Pre-existing Kidney Disease and COVID-19 Admitted to Intensive Care Units in the United States. *Am J Kidney Dis*. 2020 Sep 19:S0272-6386(20)30999-9. doi: 10.1053/j.ajkd.2020.09.003. Epub ahead of print. PMID: 32961244; PMCID: PMC7501875.
- M625) Gupta S, Coca SG, Chan L, Melamed ML, Brenner SK, Hayek SS, Sutherland A, Puri S, Srivastava A, Leonberg-Yoo A, Shehata AM, Flythe JE, Rashidi A, Schenck EJ, Goyal N, Hedayati SS, Dy R, Bansal A, Athavale A, Nguyen HB, Vijayan A, Charytan DM, Schulze CE, Joo MJ, Friedman AN, Zhang J, Sosa MA, Judd E, Velez JCQ, Mallappallil M, Redfern RE, Bansal AD, Neyra JA, Liu KD, Renaghan AD, Christov M, Molnar MZ, Sharma S, Kamal O, Boateng JO, Short SAP, Admon AJ, Sise ME, Wang W, Parikh CR, Leaf DE; STOP-COVID Investigators (**McCullough PA** Site Investigator). AKI Treated with Renal Replacement Therapy in Critically Ill Patients with COVID-

Peter A. McCullough, M.D., M.P.H.

19. J Am Soc Nephrol. 2020 Oct 16:ASN.2020060897. doi: 10.1681/ASN.2020060897. Epub ahead of print. PMID: 33067383.
- M626) Gupta S, Wang W, Hayek SS, Chan L, Mathews KS, Melamed ML, Brenner SK, Leonberg-Yoo A, Schenck EJ, Radbel J, Reiser J, Bansal A, Srivastava A, Zhou Y, Finkel D, Green A, Mallappallil M, Faugno AJ, Zhang J, Velez JCQ, Shaefi S, Parikh CR, Charytan DM, Athavale AM, Friedman AN, Redfern RE, Short SAP, Correa S, Pokharel KK, Admon AJ, Donnelly JP, Gershengorn HB, Douin DJ, Semler MW, Hernán MA, Leaf DE; STOP-COVID Investigators (**McCullough PA** Site Investigator). Association Between Early Treatment With Tocilizumab and Mortality Among Critically Ill Patients With COVID-19. JAMA Intern Med. 2020 Oct 20:e206252. doi: 10.1001/jamainternmed.2020.6252. Epub ahead of print. PMID: 33080002; PMCID: PMC7577201.
- M627) Chertow GM, Pergola PE, Agarwal R, Block GA, Farag YMK, Jardine AG, Koury MJ, Luo W, Khawaja Z, Lewis EF, Matsushita K, **McCullough PA**, Parfrey PS, Wittes J, Walters KA, Tseng C, Lin T, Sarnak MJ, Vargo DL, Winkelmayer WC, Eckardt KU. Cardiovascular Safety and Efficacy of Vadadustat for the Treatment of Anemia in Non-Dialysis Dependent CKD: Design and Baseline Characteristics. Am Heart J. 2020 Oct 29:S0002-8703(20)30354-9. doi: 10.1016/j.ahj.2020.10.068. Epub ahead of print. PMID: 33129989.
- M628) **McCullough PA**, Goldstein JA. A novel strategy to prevent contrast nephropathy: "Continuous hemodiafiltration". Catheter Cardiovasc Interv. 2020 Nov;96(6):1182-1183. doi: 10.1002/ccd.29356. PMID: 33217180.
- M629) Aldujeli A, Hamadeh A, Briedis K, Tecson KM, Rutland J, Krivickas Z, Stikloraitis S, Briede K, Aldujeili M, Unikas R, Zaliaduonyte D, Zaliunas R, Vallabhan RC, **McCullough PA**. Delays in Presentation in Patients With Acute Myocardial Infarction During the COVID-19 Pandemic. Cardiol Res. 2020 Dec;11(6):386-391. doi: 10.14740/cr1175. Epub 2020 Nov 2. PMID: 33224384; PMCID: PMC7666599.
- M630) Barker CM, Cork DP, **McCullough PA**, Mehta HS, Houten JV, Gunnarsson C, Mollenkopf S, Verta P. Healthcare utilization in clinically significant tricuspid regurgitation patients with and without heart failure. J Comp Eff Res. 2020 Nov 11. doi: 10.2217/cer-2020-0198. Epub ahead of print. PMID: 33174767.
- M631) Eckardt KU, Agarwal R, Farag YM, Jardine AG, Khawaja Z, Koury MJ, Luo W, Matsushita K, **McCullough PA**, Parfrey P, Ross G, Sarnak MJ, Vargo D, Winkelmayer WC, Chertow GM. Global Phase 3 programme of vadadustat for treatment of anaemia of chronic kidney disease: rationale, study design and baseline characteristics of dialysis-dependent patients in the INNO2VATE trials. Nephrol Dial Transplant. 2020 Nov 14:gfaa204. doi: 10.1093/ndt/gfaa204. Epub ahead of print. PMID: 33188693.
- M632) Rahimi G, Tecson KM, Elsaid O, **McCullough PA**. Role of Ischemic Heart Disease in Major Adverse Renal and Cardiac Events Among Individuals With Heart Failure With Preserved Ejection

**Peter A. McCullough, M.D., M.P.H.**

Fraction (from the TOPCAT Trial). *Am J Cardiol.* 2020 Dec 3:S0002-9149(20)31296-0. doi: 10.1016/j.amjcard.2020.11.034. Epub ahead of print. PMID: 33279481.

- M633) Roger SD, Lavin PT, Lerma EV, **McCullough PA**, Butler J, Spinowitz BS, von Haehling S, Kosiborod M, Zhao J, Fishbane S, Packham DK. Long-term safety and efficacy of sodium zirconium cyclosilicate for hyperkalaemia in patients with mild/moderate versus severe/end-stage chronic kidney disease: comparative results from an open-label, Phase 3 study. *Nephrol Dial Transplant.* 2021 Jan 1;36(1):137-150. doi: 10.1093/ndt/gfz285. PMID: 32030422.
- M634) **McCullough PA**, Oskoui R. Early multidrug regimens in new potentially fatal medical problems. *Rev Cardiovasc Med.* 2020 Dec 30;21(4):507-508. doi: 10.31083/j.rcm.2020.04.270. PMID: 33387995.
- M635) **McCullough PA**, Alexander PE, Armstrong R, Arvinte C, Bain AF, Bartlett RP, Berkowitz RL, Berry AC, Borody TJ, Brewer JH, Brufsky AM, Clarke T, Derwand R, Eck A, Eck J, Eisner RA, Fareed GC, Farella A, Fonseca SNS, Geyer CE Jr, Gonnering RS, Graves KE, Gross KBV, Hazan S, Held KS, Hight HT, Immanuel S, Jacobs MM, Ladapo JA, Lee LH, Littell J, Lozano I, Mangat HS, Marble B, McKinnon JE, Merritt LD, Orient JM, Oskoui R, Pompan DC, Procter BC, Prodromos C, Rajter JC, Rajter JJ, Ram CVS, Rios SS, Risch HA, Robb MJA, Rutherford M, Scholz M, Singleton MM, Tumlin JA, Tyson BM, Urso RG, Victory K, Vliet EL, Wax CM, Wolkoff AG, Wooll V, Zelenko V. Multifaceted highly targeted sequential multidrug treatment of early ambulatory high-risk SARS-CoV-2 infection (COVID-19). *Rev Cardiovasc Med.* 2020 Dec 30;21(4):517-530. doi: 10.31083/j.rcm.2020.04.264. PMID: 33387997.
- M636) Procter BC, Ross C, Pickard V, Smith E, Hanson C, **McCullough PA**. Clinical outcomes after early ambulatory multidrug therapy for high-risk SARS-CoV-2 (COVID-19) infection. *Rev Cardiovasc Med.* 2020 Dec 30;21(4):611-614. doi: 10.31083/j.rcm.2020.04.260. PMID: 33388006.
- M637) Gupta S, Wang W, Hayek SS, Chan L, Mathews KS, Melamed ML, Brenner SK, Leonberg-Yoo A, Schenck EJ, Radbel J, Reiser J, Bansal A, Srivastava A, Zhou Y, Finkel D, Green A, Mallappallil M, Faugno AJ, Zhang J, Velez JCQ, Shaefi S, Parikh CR, Charytan DM, Athavale AM, Friedman AN, Redfern RE, Short SAP, Correa S, Pokharel KK, Admon AJ, Donnelly JP, Gershengorn HB, Douin DJ, Semler MW, Hernán MA, Leaf DE; STOP-COVID Investigators. (**McCullough PA** Site Investigator). Association Between Early Treatment With Tocilizumab and Mortality Among Critically Ill Patients With COVID-19. *JAMA Intern Med.* 2021 Jan 1;181(1):41-51. doi: 10.1001/jamainternmed.2020.6252. PMID: 33080002; PMCID: PMC7577201.
- M638) Palazzuoli A, Ruocco G, Tecson KM, **McCullough PA**. Screening, detection, and management of heart failure in the SARS-CoV2 (COVID-19) pandemic. *Heart Fail Rev.* 2021 Jan 6:1–7. doi: 10.1007/s10741-020-10068-4. Epub ahead of print. PMID: 33405001; PMCID: PMC7786335.
- M639) Al-Samkari H, Gupta S, Leaf RK, Wang W, Rosovsky RP, Brenner SK, Hayek SS, Berlin H, Kapoor R, Shaefi S, Melamed ML, Sutherland A, Radbel J, Green A, Garibaldi BT, Srivastava A,

**Peter A. McCullough, M.D., M.P.H.**

Leonberg-Yoo A, Shehata AM, Flythe JE, Rashidi A, Goyal N, Chan L, Mathews KS, Hedayati SS, Dy R, Toth-Manikowski SM, Zhang J, Mallappallil M, Redfern RE, Bansal AD, Short SAP, Vangel MG, Admon AJ, Semler MW, Bauer KA, Hernán MA, Leaf DE; STOP-COVID-19 Investigators (**McCullough PA** Site Investigator). Thrombosis, Bleeding, and the Observational Effect of Early Therapeutic Anticoagulation on Survival in Critically Ill Patients With COVID-19. *Ann Intern Med*. 2021 Jan 26:M20-6739. doi: 10.7326/M20-6739. Epub ahead of print. PMID: 33493012; PMCID: PMC7863679.

- M640) Zhang J, Tecson KM, **McCullough PA**. Role of endothelial cell receptors in the context of SARS-CoV-2 infection (COVID-19). *Proc (Bayl Univ Med Cent)*. 2021 Jan 26;34(2):262-268. doi: 10.1080/08998280.2021.1874231. PMID: 33664552; PMCID: PMC7852287.
- M641) Shaefi S, Brenner SK, Gupta S, O'Gara BP, Krajewski ML, Charytan DM, Chaudhry S, Mirza SH, Peev V, Anderson M, Bansal A, Hayek SS, Srivastava A, Mathews KS, Johns TS, Leonberg-Yoo A, Green A, Arunthamakun J, Wille KM, Shaukat T, Singh H, Admon AJ, Semler MW, Hernán MA, Mueller AL, Wang W, Leaf DE; STOP-COVID Investigators (**McCullough PA** Site Investigator). Extracorporeal membrane oxygenation in patients with severe respiratory failure from COVID-19. *Intensive Care Med*. 2021 Feb;47(2):208-221. doi: 10.1007/s00134-020-06331-9. Epub 2021 Feb 2. PMID: 33528595; PMCID: PMC7851810.
- M642) Short SAP, Gupta S, Brenner SK, Hayek SS, Srivastava A, Shaefi S, Singh H, Wu B, Bagchi A, Al-Samkari H, Dy R, Wilkinson K, Zakai NA, Leaf DE; STOP-COVID Investigators(**McCullough PA** Site Investigator). D-dimer and Death in Critically Ill Patients With Coronavirus Disease 2019. *Crit Care Med*. 2021 Feb 12. doi: 10.1097/CCM.0000000000004917. Epub ahead of print. PMID: 33591017.
- M643) Mathews KS, Soh H, Shaefi S, Wang W, Bose S, Coca S, Gupta S, Hayek SS, Srivastava A, Brenner SK, Radbel J, Green A, Sutherland A, Leonberg-Yoo A, Shehata A, Schenck EJ, Short SAP, Hernán MA, Chan L, Leaf DE; Study of the Treatment and Outcomes in Critically Ill Patients with Coronavirus Disease (STOP-COVID) Investigators(**McCullough PA** Site Investigator). Prone Positioning and Survival in Mechanically Ventilated Patients With Coronavirus Disease 2019-Related Respiratory Failure. *Crit Care Med*. 2021 Feb 17. doi: 10.1097/CCM.0000000000004938. Epub ahead of print. PMID: 33595960.
- M644) Aldujeli A, Hamadeh A, Tecson KM, Krivickas Z, Maciulevicius L, Stikloraitis S, Sukys M, Briedis K, Aldujeili M, Briede K, Braukyliene R, Pranculis A, Unikas R, Zaliaduonyte D, **McCullough PA**. Six-Month Outcomes for COVID-19 Negative Patients with Acute Myocardial Infarction Before Versus During the COVID-19 Pandemic. *Am J Cardiol*. 2021 Feb 23:S0002-9149(21)00161-2. doi: 10.1016/j.amjcard.2021.01.043. Epub ahead of print. PMID: 33631113; PMCID: PMC7900754.
- M645) **McCullough PA**, Rahimi G, Tecson KM. Ambulatory Worsening of Renal Function in Heart Failure With Preserved Ejection Fraction. *J Am Coll Cardiol*. 2021 Mar 9;77(9):1222-1224. doi: 10.1016/j.jacc.2021.01.007. PMID: 33663740.

Peter A. McCullough, M.D., M.P.H.

- M646) Kalantar-Zadeh K, **McCullough PA**, Agarwal SK, Beddhu S, Boaz M, Bruchfeld A, Chauveau P, Chen J, de Sequera P, Gedney N, Golper TA, Gupta M, Harris T, Hartwell L, Liakopoulos V, Kopple JD, Kovesdy CP, Macdougall IC, Mann JFE, Molony D, Norris KC, Perlmutter J, Rhee CM, Riella LV, Weisbord SD, Zoccali C, Goldsmith D. Nomenclature in nephrology: preserving 'renal' and 'nephro' in the glossary of kidney health and disease. *J Nephrol*. 2021 Mar 13. doi: 10.1007/s40620-021-01011-3. Epub ahead of print. PMID: 33713333.
- M647) **McCullough PA**. Anemia of cardiorenal syndrome. *Kidney Int Suppl* (2011). 2021 Apr;11(1):35-45. doi: 10.1016/j.kisu.2020.12.001. Epub 2021 Mar 18. PMID: 33777494; PMCID: PMC7983020.
- M648) Lo KB, Toroghi HM, Salacup G, Jiang J, Bhargav R, Quintero E, Balestrini K, Shahzad A, Mathew RO, **McCullough PA**, Rangaswami J. Angiotensin converting enzyme inhibitors and angiotensin receptor blockers in acute heart failure: invasive hemodynamic parameters and clinical outcomes. *Rev Cardiovasc Med*. 2021 Mar 30;22(1):199-206. doi: 10.31083/j.rcm.2021.01.216. PMID: 33792263.
- M649) Kellum JA, Artigas A, Gunnerson KJ, Honore PM, Kampf JP, Kwan T, McPherson P, Nguyen HB, Rimmelé T, Shapiro NI, Shi J, Vincent JL, Chawla LS; Sapphire Investigators (**McCullough PA** Site Investigator). Use of Biomarkers to Identify Acute Kidney Injury to Help Detect Sepsis in Patients With Infection. *Crit Care Med*. 2021 Apr 1;49(4):e360-e368. doi: 10.1097/CCM.0000000000004845. PMID: 33566467; PMCID: PMC7963439.
- M650) Procter BC, Ross C, Pickard V, Smith E, Hanson C, **McCullough PA**. Early Ambulatory Multidrug Therapy Reduces Hospitalization and Death in High-Risk Patients with SARS-CoV-2 (COVID-19). *ijirms* [Internet]. 2021Mar.17 [cited 2021Apr.28];6(03):219 - 221. <https://www.ijirms.in/index.php/ijirms/article/view/1100>, <https://www.ijirms.in/index.php/ijirms/article/view/1100#downloadTab>
- M651) **McCullough PA**, Vijay K. SARS-CoV-2 infection and the COVID-19 pandemic: a call to action for therapy and interventions to resolve the crisis of hospitalization, death, and handle the aftermath. *Rev Cardiovasc Med*. 2021 Mar 30;22(1):9-10. doi: 10.31083/j.rcm.2021.01.301. PMID: 33792243.
- M652) Valdenor C, **McCullough PA**, Paculdo D, Acelajado MC, Dahlen JR, Noiri E, Sugaya T, Peabody J. Measuring the Variation in the Prevention and Treatment of CI-AKI Among Interventional Cardiologists. *Curr Probl Cardiol*. 2021 Apr 3:100851. doi: 10.1016/j.cpcardiol.2021.100851. Epub ahead of print. PMID: 33994040.
- M653) Ishida JH, Chauhan C, Gillespie B, Gruchalla K, **McCullough PA**, Quella S, Romero A, Rossignol P, Wheeler DC, Malley MA, West M, Herzog CA. Understanding and Overcoming the Challenges Related to Cardiovascular Trials Involving Patients with Kidney Disease. *Clin J Am Soc Nephrol*. 2021 Apr 23:CJN.17561120. doi: 10.2215/CJN.17561120. Epub ahead of print. PMID: 33893163.

Peter A. McCullough, M.D., M.P.H.

- M654) Chertow GM, Pergola PE, Farag YMK, Agarwal R, Arnold S, Bako G, Block GA, Burke S, Castillo FP, Jardine AG, Khawaja Z, Koury MJ, Lewis EF, Lin T, Luo W, Maroni BJ, Matsushita K, **McCullough PA**, Parfrey PS, Roy-Chaudhury P, Sarnak MJ, Sharma A, Spinowitz B, Tseng C, Tumlin J, Vargo DL, Walters KA, Winkelmayr WC, Wittes J, Eckardt KU; PROTECT Study Group. Vadadustat in Patients with Anemia and Non-Dialysis-Dependent CKD. *N Engl J Med*. 2021 Apr 29;384(17):1589-1600. doi: 10.1056/NEJMoa2035938. PMID: 33913637.
- M655) Eckardt KU, Agarwal R, Aswad A, Awad A, Block GA, Bacci MR, Farag YMK, Fishbane S, Hubert H, Jardine A, Khawaja Z, Koury MJ, Maroni BJ, Matsushita K, **McCullough PA**, Lewis EF, Luo W, Parfrey PS, Pergola P, Sarnak MJ, Spinowitz B, Tumlin J, Vargo DL, Walters KA, Winkelmayr WC, Wittes J, Zwiech R, Chertow GM. Safety and Efficacy of Vadadustat for Anemia in Patients Undergoing Dialysis. *N Engl J Med*. 2021 Apr 29;384(17):1601-1612. doi: 10.1056/NEJMoa2025956. PMID: 33913638.
- M656) Short SAP, Gupta S, Brenner SK, Hayek SS, Srivastava A, Shaefi S, Singh H, Wu B, Bagchi A, Al-Samkari H, Dy R, Wilkinson K, Zakai NA, Leaf DE; STOP-COVID Investigators (**McCullough PA** Site Investigator). d-dimer and Death in Critically Ill Patients With Coronavirus Disease 2019. *Crit Care Med*. 2021 May 1;49(5):e500-e511. doi: 10.1097/CCM.0000000000004917. PMID: 33591017.
- M657) Swolinsky JS, Nerger NP, Leistner DM, Edelmann F, Knebel F, Tuvshinbat E, Lemke C, Roehle R, Haase M, Costanzo MR, Rauch G, Mitrovic V, Gasanin E, Meier D, **McCullough PA**, Eckardt KU, Molitoris BA, Schmidt-Ott KM. Serum creatinine and cystatin C-based estimates of glomerular filtration rate are misleading in acute heart failure. *ESC Heart Fail*. 2021 May 6. doi: 10.1002/ehf2.13404. Epub ahead of print. PMID: 33955699.
- M658) Palazzuoli A, Tecson KM, Ronco C, **McCullough PA**. Nomenclature for Kidney Function from KDIGO: Shortcomings of Terminology Oversimplification. *Cardiorenal Med*. 2021 Jun 4:1-4. doi: 10.1159/000516615. Epub ahead of print. PMID: 34091445.
- M659) Vasquez CR, Gupta S, Miano TA, Roche M, Hsu J, Yang W, Holena DN, Reilly JP, Schrauben SJ, Leaf DE, Shashaty MGS; STOP-COVID Investigators (**McCullough PA** Site Investigator). Identification of Distinct Clinical Subphenotypes in Critically Ill Patients With COVID-19. *Chest*. 2021 May 6:S0012-3692(21)00874-6. doi: 10.1016/j.chest.2021.04.062. Epub ahead of print. PMID: 33964301; PMCID: PMC8099539.
- M660) Alexander PE, Armstrong R, Fareed G, Lotus J, Oskoui R, Prodromos C, Risch HA, Tenenbaum HC, Wax CM, Dara P, **McCullough PA**, Gill KK. Early multidrug treatment of SARS-CoV-2 infection (COVID-19) and reduced mortality among nursing home (or outpatient/ambulatory) residents. *Med Hypotheses*. 2021 Jun 5;153:110622. doi: 10.1016/j.mehy.2021.110622. Epub ahead of print. PMID: 34130113; PMCID: PMC8178530.



**Peter A. McCullough, M.D., M.P.H.**

- M661) Mathews KS, Soh H, Shaefi S, Wang W, Bose S, Coca S, Gupta S, Hayek SS, Srivastava A, Brenner SK, Radbel J, Green A, Sutherland A, Leonberg-Yoo A, Shehata A, Schenck EJ, Short SAP, Hernán MA, Chan L, Leaf DE; STOP-COVID Investigators (**McCullough PA** Site Investigator) . Prone Positioning and Survival in Mechanically Ventilated Patients With Coronavirus Disease 2019-Related Respiratory Failure. *Crit Care Med*. 2021 Jul 1;49(7):1026-1037. doi: 10.1097/CCM.0000000000004938. PMID: 33595960; PMCID: PMC8277560.
- M662) **McCullough PA**, Mehta HS, Barker CM, Houten JV, Mollenkopf S, Gunnarsson C, Ryan M, Cork DP. Healthcare utilization and guideline-directed medical therapy in heart failure patients with reduced ejection fraction. *J Comp Eff Res*. 2021 Jul 6. doi: 10.2217/ce-2021-0118. Epub ahead of print. PMID: 34225473.
- M663) Palazzuoli A, Tecson KM, **McCullough PA**. Impact of renin-angiotensin-aldosterone system inhibitor continuation on outcomes for patients with severe coronavirus disease 2019 manifestations. *J Hypertens*. 2021 Aug 1;39(8):1725-1726. doi: 10.1097/HJH.0000000000002876. PMID: 34188007.
- M664) **McCullough PA**, Mehta HS, Barker CM, Van Houten J, Mollenkopf S, Gunnarsson C, Ryan M, Cork DP. Mortality and guideline-directed medical therapy in real-world heart failure patients with reduced ejection fraction. *Clin Cardiol*. 2021 Aug 3. doi: 10.1002/clc.23664. Epub ahead of print. PMID: 34342033.

#### **Published Letters**

- ltr1) **McCullough PA**, O'Neill WW. *Letter to the Editor: Regional Variation Across the United States in the Management of Acute Myocardial Infarction*. *New Engl J Med* 1996;334:194; discussion 194-5. PMID: 96127997
- ltr2) **McCullough PA**, O'Neill WW. *Letter to the Editor: Patient care after percutaneous coronary artery interventions*. *Ann Intern Med* 1998 Apr 1;128:598; discussion 599-600. PMID: 98175287
- ltr3) **McCullough PA**, Redle JD. *Letter to the Editor: Amiodarone Prophylaxis for Atrial Fibrillation after Bypass Surgery*. *New Engl J Med* 1998;338:1383; discussion 1384. PMID: 98223116
- ltr4) Sharma ND, **McCullough PA**. *Letter to the Editor: Predictability of left ventricular thrombus by mitral regurgitation*. *Am Heart J* 1999 Feb;137(2):373-5. PMID: 99156058
- ltr5) **McCullough PA**, Marks KR. *Letter to the Editor: Ticlopidine and TTP after Coronary Stenting*. *JAMA* 1999;282(18):1717-1718;discussion 1718-9. PMID: 10568636
- ltr6) **McCullough PA**, Sandberg KR, Thompson RJ. *Letter to the Editor: Predicting Outcomes after Cardiopulmonary Resuscitation*. *Arch Intern Med* 2001;161(4):615-616. PMID: 11252131

**Peter A. McCullough, M.D., M.P.H.**

- ltr7) **McCullough PA.** *Letter to the Editor: The Anti-inflammatory Effect of Statins.* N Engl J Med. 2001 Oct 18;345(16):1209; discussion 1210-1. PMID: 11642241
- ltr8) **McCullough PA, Sandberg KR, Borzak S.** *Letter to the Editor: Cardiovascular outcomes and renal disease.* Ann Intern Med. 2002 Apr 16;136(8):633-4; discussion 633-4. PMID: 11955038
- ltr9) **McCullough PA.** Reply to Manhapra A, Why is chronic kidney disease the "spoiler" for cardiovascular outcomes: an alternate take from a generalist. J Am Coll Cardiol. 2004 Mar 3;43(5):924; author reply 924-5. PMID: 15006584
- ltr10) Omland T, Knudsen CW, **McCullough PA, Maisel AS.** Response to LTE. #2005-624 - Schwam. Ann Emerg Med. 2006 Feb;47(2):214. PMID: 16431243
- ltr11) Barker D, Artis N, Tan LB, DeJong A, Franklin BA, **McCullough PA.** Correcting data for body size may confound results. Chest. 2006 Feb;129(2):493-4. PMID: 16478872
- ltr12) **McCullough PA.** Failure of beta-blockers in the reduction of perioperative events: Where did we go wrong? Response to the letter to the Editor by Souza et al. Am Heart J. 2007 Jun;153(6):e39. PMID: 17540183
- ltr13) **McCullough PA.** Multimodality prevention of contrast-induced acute kidney injury, In Reply. Am J Kidney Dis. 2008 Jun;51(6):1068-1069. PMID: 18501789
- ltr14) **McCullough PA, Collins AJ, Vassalotti JA.** Rapid Response: Optimal Definition of Chronic Kidney Disease as a Cardiovascular Risk State. Southern Medical Journal, Volume 101, 977 Number 10, October 2008
- ltr15) Neyou A, **McCullough PA.** Response to letter to the editor. Am J Emerg Med. 2010 Dec 1. [Epub ahead of print] No abstract available. PMID: 21129890
- ltr16) Palazzuoli A, Ronco C, **McCullough PA.** Letter by Palazzuoli et al regarding article, "is worsening renal function an ominous prognostic sign in patients with acute heart failure? The role of congestion and its interaction with renal function". Circ Heart Fail. 2012 Jul 1;5(4):e79. PubMed PMID: 22811554
- ltr17) O'Keefe JH, Patil HR, Magalski A, Lavie CJ, Vogel RA, **McCullough PA.** In reply. Mayo Clin Proc. 2012 Nov;87(11):1133-4. doi: 10.1016/j.mayocp.2012.08.010. PubMed PMID: 23127740
- ltr18) **McCullough PA.** Reply: Vitamin E May Protect Against Contrast-Induced Acute Kidney Injury. J Am Coll Cardiol. 2017 Apr 11;69(14):1878-1879. doi: 10.1016/j.jacc.2017.01.053. PubMed PMID: 28385321

Peter A. McCullough, M.D., M.P.H.

- ltr19) Rangaswami J, **McCullough PA**. Efficacy of Subcutaneous Versus Intravenous Administration of Furosemide in Patients With Worsening Heart Failure: The Devil Is in the Details. *JACC Heart Fail*. 2018 Mar;6(3):266-267. doi: 10.1016/j.jchf.2018.01.010. PubMed PMID: 29496028
- ltr20) Rangaswami J, **McCullough PA**. Clinical Context of Dyskalemias Across the Heart Failure Spectrum and Their Associated Adverse Outcomes. *JACC Heart Fail*. 2019 Jun;7(6):533. doi: 10.1016/j.jchf.2019.01.005. PubMed PMID: 31146878.
- ltr21) **McCullough PA**. The Reply. *Am J Med*. 2021 Mar;134(3):e222-e223. doi: 10.1016/j.amjmed.2020.10.036. PMID: 33637181; PMCID: PMC7901366.
- ltr22) **McCullough PA**. The Reply. *Am J Med*. 2021 Apr;134(4):e298. doi: 10.1016/j.amjmed.2020.11.028. PMID: 33888224; PMCID: PMC8054639.
- ltr23) **McCullough PA**. Regarding: "Hydroxychloroquine: a comprehensive review and its controversial role in coronavirus disease 2019". *Ann Med*. 2021 Dec;53(1):286. doi: 10.1080/07853890.2021.1872094. PMID: 33439042; PMCID: PMC7877973.
- ltr24) **McCullough PA**. The Reply. *Am J Med*. 2021 May;134(5):e343-e344. doi: 10.1016/j.amjmed.2021.01.011. PMID: 33962708; PMCID: PMC8095713.
- ltr25) **McCullough PA**. The Reply. *Am J Med*. 2021 May;134(5):e346-e347. doi: 10.1016/j.amjmed.2021.01.013. PMID: 33962710; PMCID: PMC8095728.
- ltr26) **McCullough PA**. The Reply. *Am J Med*. 2021 Jul;134(7):e440-e441. doi: 10.1016/j.amjmed.2021.02.024. PMID: 34183150; PMCID: PMC8229557.

### Textbook Chapters

- T1) **McCullough PA**, Goldstein JG. *Chapter 5: Heart Pressures and Catheterization*. *Cardiac Catheterization: Concepts, Techniques, and Applications*. Uretsky BF, Editor, Blackwell Science, Inc., Boston, 1997. ISBN 9780865424067
- T2) **McCullough PA**. Section III, *Chapter 7: Epidemiology of Coronary Heart Disease*. *Interventional Cardiovascular Medicine: Principles and Practice, Second Edition*. Roubin GS, O'Neill WW, Stack RS, Editors, Churchill Livingstone Inc., Philadelphia and New York, 2002, III, 7, 138-159. ISBN 9780443079795
- T3) Franklin BA, **McCullough PA**, Timmis GC. *Chapter: Exercise*. *Randomized Trials in Cardiovascular Disease: a Companion Volume to Eugene Braunwald's "Heart Disease."* Hennekens CH, Buring JE, Ridker PM, Manson JE, Editors, W. B. Saunders Inc., New York, 1998.

**Peter A. McCullough, M.D., M.P.H.**

- T4) **McCullough PA.** Chapter 4. *General Examination and Examination Skills*, p 41-57 Clinical Exercise Physiology. Ehrman JK, Gordon PM, Visich PS, Keteyian SJ, Editors, Human Kinetics Publishers, Inc., 2003. ISBN 9780736002523
- T5) Malineni K, **McCullough PA.** Chapter: *Sudden Cardiac Death*, eMedicine.com, Textbook of Medicine, Obstetrics and Gynecology, Psychiatry, and Surgery, 2001.
- T6) **McCullough PA.** Chapter 21: *Outcome of Myocardial Infarction in Patients with Renal Failure*, Harrison's Advances in Cardiology, Eugene Braunwald, M.D., Editor, 2003. pp 123-128. McGraw-Hill, New York, NY. ISBN 9780071370882
- T7) **McCullough PA.** Chapter 26. *Renal Injury Following Contrast Agents*, Peripheral Vascular Disease: Basic Diagnosis and Therapeutic Approaches, Editor: George S. Abela, MD, 2003, pp 000-000. Lippincott Williams & Wilkins, Philadelphia, PA. ISBN 9780781743839
- T8) **McCullough PA.** The effect of renal disease on outcomes of vascular surgery. *Fast Facts in Vascular Surgery*, Health Press, Alun H. Davies, MA, DM, FRCS, Editor, 2003-2004;74-86. ISBN 9781903734513
- T9) **McCullough PA.** Interface between renal disease and cardiovascular illness. *Braunwald's Heart Disease*, 7<sup>th</sup> Edition, 2004, Zipes DP, Libby P, Bonow RO, Braunwald E, Editors, WB Saunders, Inc. ISBN 9780721604794
- T10) **McCullough PA.** Interface between renal disease and cardiovascular illness. *Braunwald's Heart Disease*, 8<sup>th</sup> Edition, 2006, Zipes DP, Libby P, Bonow RO, Braunwald E, Editors, WB Saunders, Inc. ISBN 9781416041030
- T11) **McCullough PA.** Chapter 23. *Renal Complications of Contrast Media: Contrast-Induced Nephropathy*, p 239-249. *Interventional Cardiology*, 1<sup>st</sup> Edition, 2007. King S, Yeung A, Editors. The McGraw-Hill Medical, New York. ISBN 9780071415279
- T12) **McCullough PA.** Chapter 14. *Natriuretic peptides in patients with renal failure*, p 170-180. *Markers in Cardiology: A Case Oriented Approach*, 2007. Adams JE, Jaffe AS, Apple F, Editors. Blackwell Futura, 2007. ISBN 9781405134187
- T13) Miller WM, **McCullough PA.** Chapter 21. *Obesity*, p209-218. *Pollock's Textbook of Cardiovascular Disease and Rehabilitation*. Durstine JL, Moore GE, LaMonte MJ, Franklin BA, Editors. Human Kinetics, 2008. ISBN 0000736059679
- T14) Franklin BA, Miller WM, **McCullough PA.** Chapter 11: *The Metabolic Syndrome*. *American Council on Exercise Advanced Health and Fitness Specialist Manual*. Edited by Bryant CX, Green DJ. San Diego, CA. American Council on Exercise; 2008:239-254. ISBN 9781890720278

Peter A. McCullough, M.D., M.P.H.

- T15) Marso SP, **McCullough PA**. Chapter 8: Patient-Specific Approaches and Considerations: Unique Subgroups—Diabetes, Renal Failure, Advanced Age. American College of Cardiology Cardiac Catheterization and Interventional Self-Assessment Program 3 (CathSAP-3), David J. Moliterno, Editor. ACC, 2008.  
<http://www.cardiosource.com/GenSAPX/>
- T16) Franklin BA, Miller WM, Nori K, **McCullough PA**. Chapter 12: Guidelines for Exercise Testing in Diabetics Starting an Exercise Program. Contemporary Diabetes: Diabetes and Exercise. Edited by Regensteiner JC, Reusch JEB, Stewart K, Veves A. Totowa, NJ: Humana Press; 2009:263-277. ISBN 9781588299260
- T17) Nguyen, T, Yee T, Mai T, Phan T, **McCullough PA**. Chapter 6: Diet. Evidence Based Cardiology Practice: A 21<sup>st</sup> Century Approach. Edited by Hu D, Nguyen T, Kim MH, Kwan T, Grines CL, Saito S. Peoples Medical Publishing House—USA, Shelton, CT; 2010; 145-161. ISBN 9781607950950
- T18) Kodenchery M, Bhat S, El-Ghoroury M, Yamasaki H, **McCullough PA**. "Coronary Angiography Before and After Renal Transplantation" Coronary Angiography - The Need for Improvement in Medical and Interventional Therapy, edited by Branislav Baškot. InTech - Open Access Publisher, Rijeka, Croatia, Website: <http://www.intechweb.org/>, permanent web address: <http://www.intechopen.com/articles/show/title/coronary-angiography-before-and-after-renal-transplantation>. ISBN 9789533076416
- T19) Marinescu V, **McCullough PA**. Chapter 5d. Managing Comorbidities. Chronic Kidney Disease. Hypertension. Bakris G and Baliga RR Editors, Oxford American Cardiology Library, Oxford University Press, New York, NY 2012; 71-81. ISBN 9780199754908
- T20) **McCullough PA**. Chapter 43. Contrast-Induced Acute Kidney Injury. Specialty Board Review: Cardiology. Baliga RR Editor. The McGraw-Hill Companies, Inc., China, 2012; 467-473. ISBN 9780071614085
- T21) Zalesin KC, Franklin BA, Miller WM, Peterson ED, **McCullough PA**. Impact of obesity on cardiovascular disease. Medical Clinics of North America: Obesity. LeRoith D and Karnieli E, Editors. WB Saunders Company, New York, NY, 2011 95(5):919-937. ISBN 9781455723690
- T22) **McCullough PA**. Chapter: Interface between renal disease and cardiovascular illness. Braunwald's Heart Disease, 9<sup>th</sup> Edition, 2011. Zipes DP, Libby P, Bonow RO, Braunwald E, Editors, WB Saunders, Inc. ISBN 9781437727081
- T23) Hanson ID, **McCullough PA**. B-type natriuretic peptide: beyond diagnostic applications. The Kidney in Heart Failure. Bakris GL Editor. Springer, New York, NY, 2012;67-77. ISBN 9781461436935

**Peter A. McCullough, M.D., M.P.H.**

- T24) Brown JE, **McCullough PA**. Chapter 5: Contrast Nephropathy and Kidney Injury. Textbook of Cardiovascular Intervention, Thompson, CA (Editor), Springer, 2014 (5) 53-63. ISBN 9781447145288
- T25) Franklin BA, Miller WM, **McCullough PA**. Chapter 12, The Metabolic Syndrome, American Medical Council, Medical Exercise Specialist Manual, Skinner JS, Bryant CX, Merrill S, Green DJ. American Council on Exercise 2015, San Diego CA. ISBN 9781890720520
- T26) Stewart D, Shah G, Brown JR, **McCullough, PA**. Chapter 240 Contrast-induced acute kidney injury, Oxford Textbook of Clinical Nephrology, 4th Edition, Managing Editors Turner Goldsmith DJ, Winearls C, Lamierre N, Himmelfarb J, Remuzzi G, Editors, 2015, Oxford University Press, United Kingdom. ISBN 9780199592548
- T27) Goldsmith DJ, Kumar N, Henderson H, Cameron BD, **McCullough PA**. Chapter 106 Malnutrition, obesity, and undernutrition in chronic kidney disease, Oxford Textbook of Clinical Nephrology, 4th Edition, Managing Editors Turner Goldsmith DJ, Winearls C, Lamierre N, Himmelfarb J, Remuzzi G, Editors, 2015, Oxford University Press, United Kingdom. ISBN 9780199592548
- T28) **McCullough PA**. Chapter 18 Future Therapeutic Prospects for Treatment of Cardiorenal Syndromes, p 189-195, Cardiorenal Challenges. Goldsmith DA, Covic A, Spaak J. Editors, Springer International Publishing AG, Cham, 2015, Zug, Switzerland. ISBN 9783319091624
- T29) **McCullough PA**. Chapter 88: Interface between renal disease and cardiovascular illness. Braunwald's Heart Disease, 10<sup>th</sup> Edition, 2015, pp 1909-1930. Zipes DP, Libby P, Bonow RO, Braunwald E, Editors, WB Saunders, Inc. ISBN 9781455751334
- T30) **McCullough PA**. Chapter 24: Cardiovascular Disease in Chronic Kidney Disease. Essentials of Chronic Kidney Disease, 2015, pp 239-245. Fadem SZ, Editor, Nova Publishers, ISBN-13: 978-1634825429
- T31) Prasad A, **McCullough PA**. Chapter 19: Renal Complications of Contrast Media. Interventional Cardiology, 2<sup>nd</sup> Edition, 2018, pp 293-306. Samady H, Fearon WF, Yeung AC, King SB, Editors, McGraw-Hill, ISBN-13: 978-0071820363
- T32) Rangaswami J, Lerma EV, **McCullough PA**, Editors. Kidney Disease in the Cardiac Catheterization Laboratory, 1<sup>st</sup> Edition 2020, ISBN-13: 978-3030454135 ISBN-10: 3030454134, Springer Nature Switzerland AG. Chapter 27 Ronco C, Ronco F, **McCullough PA**. A Call to Action to Develop Integrated Curricula in Cardiorenal Medicine, pp 449-463.
- T33) **McCullough PA**, Ronco C. Textbook of Cardiorenal Medicine, 1<sup>st</sup> Edition 2021, ISBN-13: 978-3030574598 ISBN-10: 3030574598, Springer Nature Switzerland AG. Chapter 1 **McCullough PA**, Kluger AY. Implications of Chronic Kidney Disease on the Epidemiology of

**Peter A. McCullough, M.D., M.P.H.**

Cardiovascular Disease, pp 1-6. Chapter 8 Rocha N, **McCullough PA**. Type 2 Cardiorenal Syndrome, pp 75-94. Chapter 17 **McCullough PA** Novel Biomarkers of Chronic Cardiorenal Disease, pp 227-234.

#### **Invited Non-Peer Reviewed Works**

- 1) **McCullough PA**. *Acute Renal Failure after Coronary Intervention*. American College of Cardiology Educational Highlights, Fall 1997 Issue, C.R. Conti, Editor
- 2) **McCullough PA**, Thompson RJ, Tobin KJ, Kahn JK, Schwender F, O'Neill WW. *Outcome of Out-of-Hospital Cardiac Arrest Survivors*. *Cardiology Review*, 2000;17:15-19
- 3) Thompson RJ, **McCullough PA**, Kahn JK, O'Neill WW. *A Simple Scoring System to Predict Clinical Outcome after Resuscitation from Cardiac Arrest*. *The Journal of Critical Illness*, 1998;13:298-300
- 4) **McCullough PA**. *Clinical Evaluation. Part I. The Cardiopulmonary System*. *Clinical Exercise Physiology*, 1999;1:33-41
- 5) **McCullough PA**. *Clinical Evaluation. Part II. The Musculoskeletal and other Body Systems*. *Clinical Exercise Physiology*, 1999:1:92-99
- 6) **McCullough PA**. *Ridogrel: Literature Evaluation*. IDdb Reports, Current Drugs Ltd, February, 1999
- 7) **McCullough PA**. Debate Commentary: Complete Assessment of the Lipid Profile is Advised. *Medical Crossfire*, 1999;5:52
- 8) **McCullough PA**. Narrative Fields in Hospital Records. Invited comment on Loss of Narrative Data in New Zealand Health Statistics Public Hospital Injury Files, John Langley (Australasian Epidemiologist 1998:5.4). *The Australasian Epidemiologist*, 1999;6.1:17-18
- 9) **McCullough PA**. Previews in Cardiovascular Medicine: Prediction and Prevention of Contrast Nephropathy. *Rev Cardiovasc Med*. 2001;2(Suppl 1):S1-S3
- 10) Creager MA, Faxon DP, Fonarow GC, Gross SB, Hachamovitch R, Jacobs AK, Lepor NE, **McCullough PA**, Naqvi T, Nesto RW, Prystowsky EN, Shah PK, Vogel RA, Yeung AC. Meeting Reviews: Best of the AHA Scientific Sessions, 2001. *Rev Cardiovasc Med*. 2002;3(1):22-48
- 11) **McCullough PA**. Update from the International Society on Hypertension in Blacks. *Rev Cardiovasc Med*. 2002 Fall;3(4):192-95. PMID: 12650156

Peter A. McCullough, M.D., M.P.H.

- 12) Nguyen PN, Spertus JA, **McCullough PA**. Is there a Heart Failure Epidemic? *Cardiology Review* 2002;19(9):32-36
- 13) Lepor NE, Yeung AC, **McCullough PA**, Creager MA, Weber MA, Jacobs AK, Faxon DP, Vogel RA, Gersh BJ. Meeting Review: Best of the ACC Scientific Session 2002. *Rev Cardiovasc Med* 2002;3(2):85-104
- 14) Franklin BA, deJong A, **McCullough PA**. Interpreting Exercise Test-Fitness Data for Your Patients. *Am J Sports* 2003;5:12-17
- 15) **McCullough PA**. The interface between heart disease and renal dysfunction: from association to action. *ACC Current Journal Review* 2003;12(2):20-24
- 16) Fonarow GC, Prystowsky EN, **McCullough PA**, Lepor NE, Watson KE, Gersh BJ, Young JJ, Kereiakes D, Faxon DP, Weyman A, Jacobs AK, Yeung A, Holmes D, Berger P, Weber MA. Meeting Review: Best of the ACC Scientific Sessions 2003. *Rev Cardiovasc Med*. 2003;4(3):150-179
- 17) **McCullough PA**. Debate Commentary: Atrial Fibrillation: Preventing Thromboembolism and Ischemic Stroke. *Medical Crossfire* 2003, 4(10), 3-17
- 18) Creager M, Faxon DP, Gersh BJ, Jacobs AK, Lepor NE, **McCullough PA**, Naqvi T, Prystowsky EN, Shah PK, Watson KE, Weber MA, Wyman A. Meeting Review: Best of the AHA Scientific Sessions 2003. *Rev Cardiovasc Med* 2004;5(1)26-52
- 19) **McCullough PA**. The use of contrast media in peripheral, combined, and sequential procedures. *Applications in Imaging: Cardiac Interventions: Contrast Use in Renally Compromised Patients* 2003;Sept:47-51
- 20) **McCullough PA**. Chapter Four: Major Risk Factors for Chronic Kidney Disease. *Kidney Early Evaluation Program Annual Data Report*. *Am J Kid Dis* 2003;42(5):S34-S41
- 21) Fonarow GC, Prystowsky EN, Lepor NE, Weyman AE, Weber MA, Watson KE, Young JJ, Kereiakes DJ, **McCullough PA**, Gersh BJ. Best of the ACC Scientific Session 2004. *Rev Cardiovasc Med*. 2004;5(2)104-129
- 22) Franklin BA, de Jong A, Kahn JK, **McCullough PA**. Fitness and mortality in the primary and secondary prevention of coronary artery disease: Does the effort justify the outcome? *Am J Med Sports* 2004;6:23-27
- 23) **McCullough PA**, Franklin BA. Atherosclerosis: Conventional risk factors and cardiac events—debunking an old myth about prevalence. *Rev Cardiovasc Med*. 2004;5(3):185-186



Peter A. McCullough, M.D., M.P.H.

- 24) Dutcher JR, **McCullough PA**. Commentary: Glycoprotein IIb/IIIa Inhibitors in Acute Coronary Syndromes. Evidenced Based Cardiovascular Medicine 2004;8:362-363
- 25) **McCullough PA**, Faxon DP, Fonarow GC, Jacobs AK, Watson KE, Weyman AC. Meeting Review: Best of the AHA 2004. Rev Cardiovasc Med. 2005;6(1):33-46
- 26) Bashore TM, Faxon DP, Fonarow GC, Jacobs AK, Lepor NE, **McCullough PA**, Shah PK, Weber MA, Yeung AC. Best of the ACC Scientific Session 2005. Rev Cardiovasc Med. 2005 Spring;6(2):98-117
- 27) Fonarow GC, Lepor NE, **McCullough PA**, Jacobs AK, Bashore, TM, Faxon DP. Best of the AHA Scientific Session 2005. Rev Cardiovasc Med. 2006 Winter;7(1):23-36
- 28) **McCullough PA**. Clinical utility of blood natriuretic peptide levels. Business Briefing: US Cardiology 2006. Touch Briefings, Touch Cardiology. [www.touchcardiology.com](http://www.touchcardiology.com)
- 29) **McCullough PA**, Wase A. Do implantable cardioverter-defibrillators improve survival in dialysis patients after cardiac arrest? Nature Clinical Practice Nephrology 2006; 2(2): 70-71
- 30) **McCullough PA**. Ranolazine: focusing on angina pectoris. Drugs of Today 2006, 42 (3):177-183
- 31) Singh PP, Nesto RW, Faxon DP, Lepor NE, Watson KE, Jacobs AK, **McCullough PA**. Best of the AHA Scientific Sessions 2006. Rev Cardiovasc Med. 2007 Winter;8(1):25-35. PMID: 17401300
- 32) **McCullough PA**. Safety Concerns Trump Public Health Benefit in the Eyes of the FDA Cardiorenal Panel. FDA Advisory Committee Did Not Recommend Approval Of Rimonabant (ZIMULTI(R)) For Use In Obese And Overweight Patients With Associated Risks Factors. [www.medicalnewstoday.com](http://www.medicalnewstoday.com) GLG NewsWatch for 6/14/2007
- 33) Friedewald VE, Goldfarb S, Laskey WK, **McCullough PA**, Roberts WC. The Editor's Roundtable: Contrast-Induced Nephropathy. Am J Cardiol. 2007 Aug 1;100(3):544-51. Epub 2007 Jun 4. PMID: 17659944
- 34) **McCullough PA**, Lepor NE. Erratum - the rosiglitazone meta-analysis. Rev Cardiovasc Med. 2007 Summer;8(3):174. PMID: 17938618
- 35) **McCullough PA**, Chronic Kidney Disease as a Cardiovascular Risk State and Considerations for the Use of Statins. The Fats of Life, Lipoproteins and Vascular Disease Division, American Association of Clinical Chemistry, Volume XXII, No 1, 9-16 Winter 2008
- 36) Lepor NE, **McCullough PA**, Jacobs AK. Best of the AHA Scientific Sessions 2007. Rev Cardiovasc Med. 2008 Winter;9(1):62-9. PMID: 18418310

**Peter A. McCullough, M.D., M.P.H.**

- 37) Lepor NE, **McCullough PA**. Best of the ACC 2010 Scientific Session. Rev Cardiovasc Med. 2010 Summer;11(3):e153-63
- 38) Narala KR, LaLonde TA, Hassan S, **McCullough PA**. Management of Chronic Coronary Disease and Acute Coronary Syndromes in Patients with Chronic Kidney Disease. US Cardiology, 2011;8(2):123-31
- 39) Larsen T, Narala KR, **McCullough PA**. Type 4 Cardiorenal Syndrome: Myocardial Dysfunction, Fibrosis, and Heart Failure in Patients with Chronic Kidney Disease. J Clin Exp Cardiol 2012, 3:4. <http://dx.doi.org/10.4172/2155-9880.1000186>

#### **INVITED LECTURES: NATIONAL AND INTERNATIONAL FORUMS**

- L1) "The Role of Triage Angiography in Acute Coronary Syndromes." Advances in Interventional Cardiology. WBH and the University of Maryland, Aruba, April, 1997.
- L2) "New Understandings of Anticoagulation During Unstable Angina." Co-Chair, American College of Cardiology 47<sup>th</sup> Annual Scientific Session, Atlanta, Georgia, March 30, 1998.
- L3) National Library of Medicine: The Emerging Health Information Infrastructure '99. "Electronic Outcomes", Washington, D.C., April 28, 1999.
- L4) Kansas City Southwest Clinical Society, 77<sup>th</sup> Annual Clinical Conference, Overland Park, Kansas: "Cardiac-Renal Risk: Incorporating Scientific Evidence into Your Practice," October 29, 1999.
- L5) The Health Forum, Best Practices, Chicago, Illinois. "Overview of Cardiovascular Health Fellowship," December 9, 1999.
- L6) AHA Scientific Conference on Existing Databases: Do They Hold Answers to Clinical Questions in Geriatric Cardiovascular Disease and Stroke? "Resource Utilization Among Congestive Heart Failure (R.E.A.C.H.) Database Overview," Washington, DC, January 27, 2000.
- L7) Health Forum Cardiovascular Health Fellowship Retreat: "Cardiovascular Risk and Health," Colorado Springs, CO, July 20, 2000.
- L8) Third Annual Center for Health Futures Advisory Board Meeting: "Congestive Heart Failure," La Jolla, CA, August 24, 2000.
- L9) Health Forum ACT Learning Collaborative Meeting: "Bridging Clinical, Community, and Population Health Strategies," St. Joseph, MO, September 20, 2000.

**Peter A. McCullough, M.D., M.P.H.**

- L10) “Renal Disease as an Independent Risk Factor for Cardiovascular Disease in Diabetes,” The Nexus of Cardiovascular and Renal Disease, Duke Clinical Research Institute, Tyson’s Corner, VA, November 4, 2000.
- L11) “Atherosclerosis and Heart Disease,” Winter Scientific Seminar, Missouri Society of the American College of Osteopathic Physicians, Kansas City, MO, January 27, 2001.
- L12) “Routine vs Selective Intervention in Acute Coronary Syndromes,” Tenth Annual Cardiovascular Conference at Beaver Creek, Colorado, WBH and Duke University, February 14, 2001.
- L13) “Intervention in the Patient with Renal Insufficiency,” Tenth Annual Cardiovascular Conference at Beaver Creek, Colorado, WBH and Duke University, February 16, 2001.
- L14) “The Epidemic of Cardiovascular Disease and Cardiorenal Risk,” The Nexus of Cardiovascular and Renal Disease, Duke Clinical Research Institute, Tyson’s Corner, VA, February 24, 2001.
- L15) “Cardiovascular Risk in Chronic Kidney Disease: Cardiorenal Risk,” Symposium on Cardio-renal Consequences of Angiotensin II, Insights from AII Blockade, NKF Spring Clinical Meeting, Orlando, FL, April 18, 2001.
- L16) Plenary Session: “Cardiac Emergencies and Cardiac Critical Care,” American College of Chest Physicians, CHEST 2001, Philadelphia, PA, November 5, 2001.
- L17) “Cardiorenal Risk,” The 33<sup>rd</sup> Annual ACC Cardiovascular Conference at Snowmass, Snowmass, Colorado, January 18, 2002.
- L18) “Epidemiology of Diabetes and Its Cardiovascular Risk” Eleventh Annual Cardiovascular Conference at Beaver Creek, Colorado, WBH and Duke University, February 14, 2002.
- L19) “Late-Breaking Clinical Trials II: A Prospective, Blinded Trial of B-Type Natriuretic Peptide as a Diagnostic Test for the Emergency Diagnosis of Heart Failure: The Breathing Not Properly (BNP) Multinational Study,” March 19, 2002, 51<sup>st</sup> Annual Scientific Session of the American College of Cardiology, Atlanta, GA.
- L20) “Scope of Cardiovascular Complications in Patients with Kidney Disease.” Plenary Session III: Reversing Cardiovascular Complications in Patients with Kidney Disease. International Society on Hypertension in Blacks: 17<sup>th</sup> International Interdisciplinary Conference on Hypertension and Related Risk Factors in Ethnic Populations, Miami, FL, June 11, 2002.

**Peter A. McCullough, M.D., M.P.H.**

- L21) “Epidemiology: Renal—Chronic Kidney Disease.” Atherosclerotic Vascular Disease Conference, AHA, Boston, MA, July 8, 2002.
- L22) “B-type Natriuretic Peptide Should be a Part of the Diagnostic Evaluation of Heart Failure: Implications from the Breathing Not Properly (BNP) Multinational Study” International Academy of Cardiology 8<sup>th</sup> World Congress on Heart Failure—Mechanisms and Management, Washington, DC, July 15, 2002.
- L23) “Epidemiology and Physiology of Radiocontrast Nephropathy and its Impact on Outcomes” Prevent the Event Transcatheter Therapeutics 2002 Satellite Symposium, Washington, DC, September 26, 2002.
- L24) “Calcification or ‘Phosphication’—Controversies of Calcium Phosphate Deposition: Invited Lecture: Coronary Calcification: A Predictor of Future Events or a Marker of Plaque Stability? American Society of Nephrology 2002 Annual Scientific Sessions Satellite Symposium, Philadelphia, PA, November 1, 2002.
- L25) “Renal Insufficiency and Clinical Outcome” Cardiovascular Seminar, AHA Scientific Sessions, Chicago, IL, November 18, 2002.
- L26) “Role of BNP in the Diagnosis of Heart Failure” ACC 34<sup>th</sup> Annual Cardiovascular Conference at Snowmass, CO, January 14, 2003.
- L27) “Managing the Patient with Combined Heart and Renal Failure—the Importance of Anemia” ACC 34<sup>th</sup> Annual Cardiovascular Conference at Snowmass, CO, January 14, 2003.
- L28) “The Emerging Healthcare Crisis of Obesity,” Twelfth Annual Cardiovascular Conference at Beaver Creek, CO, February 10, 2003.
- L29) “BNP in the Management of Heart Failure,” Twelfth Annual Cardiovascular Conference at Beaver Creek, CO, February 11, 2003.
- L30) “Contrast Nephropathy: Can it be Eliminated,” Twelfth Annual Cardiovascular Conference at Beaver Creek, CO, February 13, 2003.
- L31) “How Subtle Degrees of Renal Dysfunction Work as a Cardiac Risk Factor” First Cardiovascular Prevention Symposium: Updates and New Guidelines. AHA, Puerto Rico Chapter, San Juan, PR, March 22, 2003.
- L32) “What Is the Incremental Diagnostic Value of B-Type Natriuretic Peptide in Heart Failure?” Symposium. American College of Cardiology Scientific Sessions, 2003, Chicago, IL, April 1, 2003.

**Peter A. McCullough, M.D., M.P.H.**

- L33) "Heart Failure Insights From Ejection Fraction" Session Co-Chair. Oral Contributions. American College of Cardiology Scientific Sessions, 2003, Chicago, IL, April 1, 2003.
- L34) "Chronic Renal Insufficiency as a Vascular Risk Factor" 14<sup>th</sup> Annual Scientific Sessions of the Society for Vascular Biology and Medicine, Chicago, IL, June 7, 2003.
- L35) "Phosphate Control and Calcification from a Cardiologist's Perspective" World Congress of Nephrology Satellite Symposium, Berlin, Germany, June 12, 2003.
- L36) "Renal Disease is a Risk Factor for Cardiovascular Disease" ACC 29<sup>th</sup> Annual Tutorials in the Tetons 2003: Update in Cardiovascular Disease, August 25-27. 2003.
- L37) "Diagnosis of Congestive Heart Failure: Is BNP Needed in Every Case?" ACC 29<sup>th</sup> Annual Tutorials in the Tetons 2003: Update in Cardiovascular Disease, August 25-27. 2003.
- L38) "How to Treat Combined Heart and Renal Failure with Hypertension" ACC 29<sup>th</sup> Annual Tutorials in the Tetons 2003: Update in Cardiovascular Disease, August 25-27. 2003.
- L39) "Which Agents Prevent Contrast-Induced Nephropathy?" European Society of Cardiology 2003 Symposium: Managing Patients at Risk for Contrast-Induced Nephropathy, Vienna, Austria, September 2, 2003.
- L40) "Epidemiology of Contrast Nephropathy" Symposium Chair for "A Contrast in Risk: Radiographic Imaging in the Renally Compromised Patient", Satellite Symposium at the Transcatheter and Therapeutics Scientific Meeting, Washington, DC, September 17, 2003.
- L41) "Update on Cardiovascular Risk Reduction in Acute Coronary Syndrome Patients" 14<sup>th</sup> Annual Great Wall International Congress of Cardiology, Beijing, China, October 10-13, 2003.
- L42) "Renal Function and Dysfunction in Coronary Arteriography" 14<sup>th</sup> Annual Great Wall International Congress of Cardiology, Beijing, China, October 10-13, 2003.
- L43) "Interventional Cardiology 2003: Bench to Bedside and Beyond, Session III: Contrast Nephropathy: Separating the Hype from the Data. Antagonist: Contrast Nephropathy Can be Prevented." AHA Scientific Sessions 2003, November 9, 2003, Orlando, FL.
- L44) "Reversing Diabetes and Its Consequences: Pipe Dream or Reality?" The 35<sup>th</sup> Annual Cardiovascular Conference at Snowmass, ACC, Snowmass, CO, January 12-16, 2004.
- L45) "Refining the Use of B-type Natriuretic Peptide as a Diagnostic Test in Clinical Practice" The 35<sup>th</sup> Annual Cardiovascular Conference at Snowmass, ACC, Snowmass, CO, January 12-16, 2004.

**Peter A. McCullough, M.D., M.P.H.**

- L46) “Practical Management of Obesity for the Cardiologist: The Future of Dietary Management and Bariatric Surgery” The 35<sup>th</sup> Annual Cardiovascular Conference at Snowmass, ACC, Snowmass, CO, January 12-16, 2004.
- L47) “Update from the Hypertension World: JNC 7—What’s New and How Will it Influence Practice?” Thirteenth Annual Cardiovascular Conference at Beaver Creek, Colorado, WBH and Duke University, February 9-13, 2003
- L48) “The Lethal Couplet” Thirteenth Annual Cardiovascular Conference at Beaver Creek, Colorado, WBH and Duke University, February 9-13, 2003
- L49) “BNP to Differentiate Between Cardiac and Extracardiac Sources of Dyspnea” 33<sup>rd</sup> Critical Care Congress, Society of Critical Care Medicine, Orlando, Florida, February 23, 2004.
- L50) “BNP Testing: Is It Ready for In-Hospital Monitoring of Therapy?” Point-of-Care Symposium, American College of Cardiology Scientific Sessions 2004, New Orleans, LA, March 8, 2004.
- L51) “Role of Brain Natriuretic Peptide Levels in Diagnosis” Natriuretic Peptides Symposium, American College of Cardiology Scientific Sessions 2004, New Orleans, LA, March 8, 2004.
- L52) “Renal Insufficiency and the Heart” Symposium Co-Chair, American College of Cardiology Scientific Sessions 2004, New Orleans, LA, March 9, 2004.
- L53) “Renal Insufficiency and Bypass Surgery” Renal Insufficiency and the Heart Symposium, American College of Cardiology Scientific Sessions 2004, New Orleans, LA, March 9, 2004.
- L54) “Causes and Consequences of Contrast-Induced Nephropathy and other Major Adverse Coronary Events” Contrast-Induced Nephropathy: Addressing the Needs of the High Risk Patient. A Satellite Symposium to the American College of Cardiology Scientific Sessions 2004, New Orleans, LA, March 9, 2004.
- L55) “Chronic Kidney Disease as a Cardiovascular Risk Factor” 2<sup>nd</sup> Annual Scientific Symposium, AHA of Puerto Rico, San Juan, PR, March 13, 2004
- L56) “Modern use of Angiotensin Receptor Blockade in Cardiovascular Disease” 2<sup>nd</sup> Annual Scientific Symposium, AHA of Puerto Rico, San Juan, PR, March 13, 2004

**Peter A. McCullough, M.D., M.P.H.**

- L57) “Chronic Kidney Disease and Cardiovascular Disease” Satellite Symposium: Impact of Anemia Correction in Cardiovascular Patients, American Society of Hypertension Annual Scientific Session, New York, NY, May 22, 2004.
- L58) “Contrast-Induced Nephropathy—Clinical Anomaly or Reality” Satellite Symposium: Selecting Contrast Media - Implications for Patient outcomes, EuroPCR 2004, Paris, France, May 26, 2004.
- L59) “Contrast Nephropathy” Intervention 2004. American College of Cardiology Nationwide Symposium, CNN Center, Atlanta, GA, June 2, 2004.
- L60) “Technical Issues in Selection of the BNP Assay” Satellite Symposium of the American Association of Clinical Chemistry, Los Angeles, CA, July 28, 2004.
- L61) “B-type Natriuretic Peptide in Clinical Practice” New Development in Cardiac Biomarkers for Detection and Management of Cardiovascular Diseases, EBAC Accredited Educational Programme, in conjunction with the European Society of Cardiology 2004 Annual Congress, Munich, Germany, August 30, 2004.
- L62) “Hot Topics: Renal Disease and Contrast Nephropathy—Implications for the PCI Patient” Session Moderator, Transcatheter Cardiovascular Therapeutics 2004, September 27, 2004.
- L63) “Definition and Pathophysiology of Contrast Nephropathy”, “Hot Topics: Renal Disease and Contrast Nephropathy—Implications for the PCI Patient” Transcatheter Cardiovascular Therapeutics 2004, September 27, 2004.
- L64) “Use of BNP in Clinical Practice” “Hot Topics: Clinical Utility of Biomarkers” Transcatheter Cardiovascular Therapeutics 2004, September 28, 2004.
- L65) “Contrast Media, Renal Insufficiency, and Radiocontrast Nephropathy” Introduction to Cardiac Catheterization and Indications for Percutaneous Interventions, 7<sup>th</sup> Annual Interventional Cardiology Self Assessment and Review Course, Transcatheter Cardiovascular Therapeutics 2004, September 29, 2004.
- L66) “Body Weight—Optimal Targets and How Good are We in Getting There” “Drug Combinations for Cardiovascular Disease” Duke Clinical Research Institute and U.S. Food and Drug Administration Think Tank, Washington, DC, October 8, 2004.
- L67) “Does Coronary Calcification Imply Plaque Instability?” Managing Cardiovascular and Calcium/Phosphorus Complications of CKD. Official Luncheon Symposium, Renal Week 2004, American Society of Nephrology, St. Louis, MO, October 20, 2004.

**Peter A. McCullough, M.D., M.P.H.**

- L68) "B-type Natriuretic Peptide in the Diagnosis of Acute Heart Failure," New Advances in the Diagnosis and Management of Acute Decompensated Heart Failure, Satellite Symposium to the AHA Scientific Sessions 2004, New Orleans, LA, November 8, 2004.
- L69) "Oportunidades para Aprimoramento no Tratamiento da Insuficiencia Cardiaca," 3rd Congresso Brasileiro de Insuficiencia Cardiaca, II Simposio Luso-Brasileiro de Insuficiencia Cardiaca, I Encontro Multiprofissional em Insuficiencia Cardiaca, II Simposio Latinoamericano de Insuficiencia Cardiaca, (Portugese) Salvador, Bahia, Brasil, November 25-27, 2004.
- L70) "Peptideo Natriuretico Intravenoso-Perspectivas para Emprego na IC Descompensada," 3rd Congresso Brasileiro de Insuficiencia Cardiaca, II Simposio Luso-Brasileiro de Insuficiencia Cardiaca, I Encontro Multiprofissional em Insuficiencia Cardiaca, II Simposio Latinoamericano de Insuficiencia Cardiaca, (Portugese) Salvador, Bahia, Brasil, November 25-27, 2004.
- L71) "Nesiritide (Peptideo Natriuretico Intravenoso) uma Nova Arma no Tratamento da IC Grave e Descompensada," 3rd Congresso Brasileiro de Insuficiencia Cardiaca, II Simposio Luso-Brasileiro de Insuficiencia Cardiaca, I Encontro Multiprofissional em Insuficiencia Cardiaca, II Simposio Latinoamericano de Insuficiencia Cardiaca, (Portugese) Salvador, Bahia, Brasil, November 25-27, 2004.
- L72) "Conferencia Magna (Keynote Address): The Cardiorenal Intersection: Crossroads to the Future," 3rd Congresso Brasileiro de Insuficiencia Cardiaca, II Simposio Luso-Brasileiro de Insuficiencia Cardiaca, I Encontro Multiprofissional em Insuficiencia Cardiaca, II Simposio Latinoamericano de Insuficiencia Cardiaca, (Portugese) Salvador, Bahia, Brasil, November 25-27, 2004.
- L73) "Practical Use of BNP in the Diagnosis and Management of Heart Failure" Medical Grand Rounds, Olathe Regional Medical Center, Olathe, KS, December 3, 2004.
- L74) "Management of Heart and Renal Failure" The 36<sup>th</sup> Annual Cardiovascular Conference at Snowmass, ACC, Snowmass, CO, January 18, 2005.
- L75) "Contrast-Induced Nephropathy" The 36<sup>th</sup> Annual Cardiovascular Conference at Snowmass, ACC, Snowmass, CO, January 18, 2005.
- L76) "Combined Heart and Kidney Failure" Cardiovascular Conference at Snowmass, Aspen, CO, January 18, 2005.
- L77) "Practice Strategies and Protocols to Reduce Renal Complications" PCI: Understanding and Managing In-Hospital Cardiac and Renal Complications, 3<sup>rd</sup> European Summit, Chantilly, France, February 11, 2005.



**Peter A. McCullough, M.D., M.P.H.**

- L78) "HDL Cholesterol: A Powerful New Therapeutic Target" 14<sup>th</sup> (Conference Chair) Annual Cardiovascular Conference at Beaver Creek, Beaver Creek, CO, February 14, 2005.
- L79) "BNP-ology, is the Enthusiasm Warranted?" (Conference Chair) 14<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek, Beaver Creek, CO, February 15, 2005.
- L80) "Anticoagulation for Atrial Fibrillation: Can Warfarin be Replaced?" (Conference Chair) 14<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek, Beaver Creek, CO, February 18, 2005.
- L81) "New Multimarker Strategies in the Diagnosis of Acute Coronary Syndromes" Satellite Symposium to the 54<sup>th</sup> Annual American College of Cardiology Scientific Sessions 2005, Orlando, FL, March 7, 2005.
- L82) "Effect of Lowering LDL Level on Progression of Vascular Calcification" Reducing the Burden of Cardiovascular Calcification in Chronic Kidney Disease, Satellite Symposium to the Renal Physicians Association Annual Meeting, Washington, DC, March 20, 2005.
- L83) "Why Chronic Kidney disease is a CVD risk factor: Practical Implications in the Care of Cardiovascular Patients" Cardiology Grand Rounds, Clinical Science Institute, Galway, Ireland, UK, May 5, 2005.
- L84) "Clinical Application of B-type Natriuretic Peptide Levels in the Care of Cardiovascular Patients" EuroLab 2005, Glasgow, Scotland, UK, May 9, 2005.
- L85) "Anemia Is a Cardiovascular Risk Factor in Patients With Diabetic Nephropathy" The Kidney is a Key Link between Diabetes and Cardiovascular Disease: Managing Risk; Satellite Symposia to the Annual Scientific Sessions of the American Association of Clinical Endocrinology, Washington, DC, May 18, 2005.
- L86) "CIN: Emerging Trends in Identifying and Managing the At-risk Patient" Cardiovascular and Interventional Radiology Society of Europe (CIRSE) 2005, Nice, France, September 13, 2005.
- L87) "Recent Advances in Cardiac Markers and their Clinical Role in Cardiovascular Disease: Update of the BNP Consensus Panel Statements and Cost Effectiveness of BNP Testing" Turning Science into Caring Programme, Abbott European Laboratory Symposium, Wiesbaden-Delkenheim, Germany, October 14, 2005.
- L88) "Epidemiology and Prevention of Contrast Nephropathy" Transcatheter Therapeutics Annual Scientific Sessions, Washington, DC, October 19, 2005.

**Peter A. McCullough, M.D., M.P.H.**

- L89) “BNP—What Does it All Mean?” Heart Failure 2005: What to Do for the Failing Left Ventricle” AHA Symposium in Conjunction with the 2005 Scientific Sessions, Dallas, TX, November 11, 2005.
- L90) “How to Use Cardiac Biomarkers in Heart Failure” 2005 Annual Scientific Sessions of the AHA, Dallas, TX, November 14, 2005, broadcasted nationally as “Best of Sessions 2005 on Wednesday, November 30 from 1:00-2:30PM EST”
- L91) “Chronic Kidney Disease as a Cardiovascular Risk State: Practical Management for the Cardiologist” St. Vincent’s Hospital, University of British Columbia, Distinguished Speakers in Cardiovascular Medicine, 2005-2006, Vancouver, BC, Canada, December, 1, 2005.
- L92) “Anemia, Chronic Kidney Disease, and Cardiovascular Disease: Diagnosis, Prognosis, and Treatment. Nephrology Grand Rounds, University of British Columbia, St. Vincent’s Hospital, Vancouver, BC, Canada, December 2, 2005.
- L93) “The Deadly Triangle of Anemia, Kidney and Heart Disease: Implications for Treatment and Management” 37<sup>th</sup> Annual Cardiovascular Conference at Snowmass, January 20, 2006, Snowmass, CO.
- L94) “Anemia in Cardiovascular Patients: Diagnosis, Prognosis, and Therapy.” AHA, Prevention VIII Conference: Kidney Disease, Hypertension, and Cardiovascular Disease, January 27, 2006, Orlando, FL.
- L95) “Update on Bariatric Surgery” (Conference Chair) 15<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek, Beaver Creek, CO, February 17, 2006.
- L96) “Multimarker Approach to Chest Pain.” Satellite Symposium to the Annual Scientific Sessions of the American College of Cardiology, March 11, 2006, Atlanta, GA.
- L97) “ Preventing Contrast Nephropathy: What Works?” American College of Cardiology Annual Scientific Sessions (ACC.06 and the i2 Summit 2006), March 14, 2006, Atlanta, GA.
- L98) “Consensus statements on strategies to reduce the risk of CIN.” Satellite Symposium Society for Cardiac Angiography and Intervention 29<sup>th</sup> Annual Scientific Sessions (Symposium Chair): Consensus Statements on Contrast-Induced Nephropathy (CIN): Report of an International, Multidisciplinary Panel, Chicago, IL, May 11, 2006.
- L99) “Contrast-induced nephropathy: identifying and managing the patient at risk.” Euro PCR 2006 Satellite Symposium: The Underestimated Impact of Contrast Media on Patient Outcomes in PCI (Symposium Chair), Paris, France, May 27, 2006.

**Peter A. McCullough, M.D., M.P.H.**

- L100) “Debate: Acute Decompensated Heart Failure--Biomarker will suffice” 17<sup>th</sup> Annual Scientific Sessions of the American Society of Echocardiography, Baltimore, MD, June 6, 2006.
- L101) “Heart and Kidney: Clinical Impact of Contrast Media” Update on Cardiovascular Disease 2006, Casa Di Cura Montevergine, Napoli Castel Dell’Ovo, Naples, Italy, June 19, 2006.
- L102) “Cardiovascular Disease in CKD: Where Does Calcium Fit In?” Satellite Symposia: Current Strategies for the Management of Hyperphosphatemia in End-Stage Renal Disease. European Renal Association/European Dialysis and Transplantation Association Annual Scientific Meeting, Glasgow, Scotland, July 17, 2006.
- L103) “Applications of BNP in Cardiovascular Disease” Satellite Symposia: New and Evolving Markers for Cardiovascular Disease: Myeloperoxidase (MPO) and BNP. American Association of Clinical Chemistry Annual Meeting, Chicago, IL, July 26, 2006.
- L104) “Clinical Applications of B-type Natriuretic Peptide Testing” Clinical Biochemistry Satellite Symposium: The Role of Biochemical Markers in Clinical Cardiology, Sponsored by the Australasian Association of Clinical Biochemists at the 54<sup>th</sup> Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand, Canberra, Australia, August 4, 2006.
- L105) “Update on BNP in the Management of Heart Failure” 54<sup>th</sup> Annual Scientific Meeting of the Cardiac Society of Australia and New Zealand, Canberra, Australia, August 6, 2006.
- L106) “Update on BNP in the Management of Heart Failure” Cardiology Grand Rounds, Royal North Shore Hospital, Sydney, Australia, August 7, 2006.
- L107) “Contrast-Induced Nephropathy: Identifying and Managing the Patient at Risk” Advances in Contrast-Enhanced Imaging: Improving Outcomes and Reducing Risks of Iodinated Contrast (Chairman), a CME Satellite Symposium at the Transcatheter Therapeutics 2006 Conference, Washington, DC, October 24, 2006.
- L108) “Cardiorenal Syndrome: Etiology, Therapy, and Prognosis” Unresolved Issues in Heart Failure, Cardiovascular Seminars, 2006 Annual Scientific Sessions of the AHA, Chicago, IL, November 14, 2006
- L109) “Prevention and Management of CAD in CKD” Coronary Artery Disease in CKD: Updating the Pathophysiology and Management. Official Symposium of the American Society of Nephrology, Sand Diego, CA, November 16, 2006.
- L110) “Pharmacologic Prevention of Sudden Death in Dialysis Patients” Sudden Death in Hemodialysis Patients: Towards Prevention. American Society of Nephrology Renal Week 2007, San Diego, CA, November 17, 2006.

**Peter A. McCullough, M.D., M.P.H.**

- L111) “Contrast Nephropathy: Finding Consensus on a Rational Approach” Radiology Grand Rounds, Hôpital Notre-Dame, University of Montreal, Canada, November 23, 2006.
- L112) “Contrast Nephropathy: Finding Consensus on a Rational Approach” Radiology Grand Rounds, Hôpital St-Luc, University of Montreal, Canada, November 23, 2006.
- L113) “Cardiorenal Syndrome and Anemia” 3rd Annual Heart Failure University (HFU) Cardiovascular Fellows Program, Los Angeles, CA, December 2, 2006.
- L114) “Implications of Age-Related Decline in Renal Function” 16<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek, Beaver Creek, CO, February 12, 2007.
- L115) “Using BNP in Your Practice: Pearls and Pitfalls” 16<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek, Beaver Creek, CO, February 15, 2007.
- L116) “Consensus Panel Findings on Contrast Nephropathy” 16<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek, Beaver Creek, CO, February 16, 2007.
- L117) “Measuring BNP in ACS,” American College of Cardiology Scientific Sessions Satellite Symposium, “ACS & Biomarkers: From Molecules to Patient Management”, New Orleans, LA, March 24, 2007.
- L118) “Anemia Correction and CVD Trials” “Ask the Experts” [clinicaltrialresults.org](http://clinicaltrialresults.org), American College of Cardiology Scientific Sessions, New Orleans, LA, March 26, 2007.
- L119) “CKD and CVD: Interaction and Risk Factors”, Kidney Disease: The Unrecognized Silent Killer, NKF 2007 Scientific Meetings, Orlando, FL, April 11, 2007.
- L120) “Contrast-Induced Nephropathy: A Meta-Analyses of the Renal Safety of Iodixanol” Special Lecture for the Radiological Society of the Republic of China, National Yang-Ming University, School of Medicine, Taipei, Taiwan, May 4, 2007.
- L121) “Contrast-Induced Nephropathy: A Meta-Analyses of the Renal Safety of Iodixanol” Annual Meeting of Kaohsiung Society of Radiology, Chang Gung Memorial Hospital, Kaohsiung Hsien, Taiwan, May 5, 2007.
- L122) “Meta-Analyses of the Renal Safety of Iodixanol”, Plenary Session, 15<sup>th</sup> Annual Scientific Congress of the Hong Kong College of Cardiology, Hong Kong, SAR, May 6, 2007.
- L123) “Contrast-Induced Nephropathy: A Meta-Analyses of the Renal Safety of Iodixanol” Cardiology Special Lecture, 12<sup>th</sup> Department of Cardiology, Beijing AnZhen Hospital, Beijing, Peoples Republic of China, May 7, 2007.

**Peter A. McCullough, M.D., M.P.H.**

- L124) "Prevention of CIN during PCI in Diabetic Patients: Proposal of a Guideline" (Prevencion del Fracaso Renal Inducido por Contraste en Pacientes Diabeticos Sometidos a Intervencionismo Coronario: Propestuesta de un Protocolo Actuacion), Optimizacion del Tratamiento de Revascularizacion Percutanea en Pacientes Diabeticos, TEAM (Terapia Endovascular & Miocardica), Hospital del Mar, Barcelona, Spain, May 11, 2007.
- L125) "Acute Kidney Injury from Iodinated Contrast: Findings from an International Panel," Hungarian Society of Cardiology Annual Scientific Meeting (Magyar Kardiologusok Tarsasaga Tudomanyos Kongresszusa) Balatonfured, Hungary, May 12, 2007.
- L126) "Which Types and Which Amount of Physical Activities to Achieve and Maintain a Healthy Body Weight?" 4<sup>th</sup> Metabolic Syndrome, Type II Diabetes, and Atherosclerosis Congress (MSDA), 2007, Lisbon, Portugal, May 19, 2007.
- L127) "The Role of BNP in Patients with Shortness of Breath," Laboratory Diagnostic Technologies for Patients with Shortness of Breath, Satellite Symposium to the American Association of Clinical Chemistry Annual Scientific Meeting, San Diego, CA, July 18, 2007.
- L128) "Acute Kidney Injury after Contrast: A Serious Problem by Any Name", Hemodynamics, Electrolytes, Acute Kidney Injury: Novel Considerations in Contrast Selection, Transcatheter Cardiovascular Therapeutics 2007 Annual Meeting Satellite Symposium, Washington, DC, October 23, 2007.
- L129) "Vascular Calcification: Myth versus Realty: A Cardiologist's Perspective," Changing Paradigms: Evolving Bone and Mineral Metabolism Treatment in CKD, An American Society of Nephrology 2007 Official Symposia, San Francisco, CA, November 3, 2007.
- L130) "Contrast-Induced Nephropathy" Cardiology Grand Rounds, Auckland City Hospital, Auckland, New Zealand, November 22, 2007.
- L131) "Practical Use of Natriuretic Peptides in Cardiovascular Disease" North Shore Hospital- Waitemata Health, Takapuna, Auckland, New Zealand, November 22, 2007.
- L132) "Practical Use of Natriuretic Peptides in Cardiovascular Disease" Waikato Hospital, Hamilton, New Zealand, November 23, 2007.
- L133) "Practical Use of Natriuretic Peptides in Cardiovascular Disease" Wakefield Hospital, Adelaide, Australia, November 23, 2007.
- L134) "Clinical Utilization of Cardiac Troponin and Natriuretic Peptides in ACS and CHF" Satellite Symposium to Australasian Emergency Meeting (ACEM), Gold Coast, Brisbane, Australia, November 27, 2007.

**Peter A. McCullough, M.D., M.P.H.**

- L135) “Clinical Utilisation of Cardiac Troponin and Natriuretic Peptides in ACS and CHF: Part 1: Congestive Heart Failure, Part 2: Acute Coronary Syndrome, Part 3: Cardio-Renal Syndrome, Kuala Lumpur, Malaysia, November 29, 2007.
- L136) “Multimarker Strategies in the Management of Cardiovascular Emergencies,” YMCA for Dr. H.F.Ho, Queen Elizabeth Hospital, Hong Kong, SAR, November 30, 2007.
- L137) “Practical Management of Cardiovascular Disease in Patients with Kidney Disease” Williamsburg, Virginia for the 34th Annual Williamsburg Conference on Heart Disease, Williamsburg, VA, December 3, 2007.
- L138) “New Cardiovascular Drugs” 17<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek” Avon, CO, February 12, 2008.
- L139) “New Insights into Atherosclerosis and Global CVD Risk,” 17<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek” Avon, CO, February 12, 2008.
- L140) “Plenary 2 : Mini-Symposia: Acute Kidney Injury (AKI): Pathophysiology: Contrast Nephropathy: Epidemiology and Prognosis” 13<sup>th</sup> Annual International Conference on Continuous Renal Replacement Therapies, San Diego, CA, February 28, 2008.
- L141) “Heart Failure and Cardio-Renal Syndrome 1: Pathophysiology” 13<sup>th</sup> Annual International Conference on Continuous Renal Replacement Therapies, San Diego, CA, February 29, 2008.
- L142) “Hemodynamic Monitoring: Principles and Practice” 13<sup>th</sup> Annual International Conference on Continuous Renal Replacement Therapies, San Diego, CA, February 29, 2008.
- L143) “Cardiovascular Calcification, Potential Strategies in Minimizing Cardiovascular Disease in CKD”, Satellite Symposia at the 57th ACC Annual Scientific Sessions, Chicago, IL, March 30, 2008.
- L144) “Emergency Evaluation of Chest Pain: Building a Better Mousetrap” Olathe Medical Center Annual Heartbeat Symposium, Olathe, KS, April 4, 2007.
- L145) “Interventions and CVD Interactions in Diabetics with Proteinuria” Satellite Symposia (Chairman) Chronic Kidney Disease Interventions: Improving CKD and CVD Outcomes” NKF Clinical Meeting 2008, Dallas, TX, April 5, 2008.
- L146) “Shifting Paradigms in PCI: Controversial Issues in High-Risk Patients” International Symposium (Chairman), Barcelona, Spain, April 10, 2008.

**Peter A. McCullough, M.D., M.P.H.**

- L147) “Success in Identifying Heart Failure” Satellite Symposia “Managing CVD: What Every Internist Needs to Know” Annual Scientific Sessions of the American College of Physicians, Washington, DC, May 14, 2008.
- L148) “Cardiovascular Calcification in Patients with Chronic Kidney Disease” Satellite Symposia “Cardiovascular Disease in CKD: Strategies for Minimizing Mortality” Annual Scientific Sessions of the American College of Physicians, Washington, DC, May 15, 2008.
- L149) “Clinical Trial Designs in Contrast Induced Acute Kidney Injury,” Third Annual AKIN Conference on Research Initiatives in AKI, Bethesda, MD, June 10-12, 2008.
- L150) “Neutrophil Gelatinase Associated Lipocalin (NGAL)” on Behalf of Inverness Medical, Third Annual AKIN Conference on Research Initiatives in AKI, Bethesda, MD, June 10-12, 2008.
- L151) “Practical Strategies to Manage Contrast-induced Acute Kidney Injury (CI-AKI): The Evidence and the Controversy” Radiological Society of Taiwan, Taipei, Taiwan, July 17, 2008.
- L152) “Practical Strategies to Manage Contrast-induced Acute Kidney Injury (CI-AKI): The Evidence and the Controversy” Radiological Society of Taiwan, Kaushiung, Taiwan, July 18, 2008.
- L153) “Practical Strategies to Manage Contrast-induced Acute Kidney Injury (CI-AKI): The Evidence and the Controversy” Contrast-Induced Nephropathy Symposium, Professor Yalin Han, MD, Chairwoman of Military Cardiology Society of China, Shenyang, China, July 20, 2008.
- L154) Cardiology Teaching Rounds, with Professor Runlin Gao, Beijing Fuwai Hospital, Beijing, China, July 21, 2008.
- L155) Cardiology Teaching Rounds, with Professor Yujie Zhou, Beijing Anzhen Hospital, Beijing, China, July 21, 2008.
- L156) Cardiology Teaching Rounds with Professor Yundai Chen, General Hospital of Military, Peoples Liberation Army, Beijing, China, July 21, 2008.
- L157) “Practical Strategies to Manage Contrast-induced Acute Kidney Injury (CI-AKI): The Evidence and the Controversy” Contrast-Induced Nephropathy Symposium, Contrast-Induced Nephropathy Symposium, Professor Runlin Gao, Chairman of Chinese Cardiology Society, Beijing, China, July 22, 2008.K
- L158) “New Insights on Accelerated Vascular Calcification in Patients with Kidney Disease” Plenary Session: Ischemic Heart Disease/Risk Assessment/New Treatment Strategies”

**Peter A. McCullough, M.D., M.P.H.**

International Academy of Cardiology 14<sup>th</sup> World Congress on Heart Disease, Annual Scientific Sessions, Toronto, Ontario, Canada, July 29, 2008.

- L159) “Cardiorenal Syndrome: the Diagnostic Value of Brain Natriuretic Peptide and Neutrophil Gelatinase Associated-Lipocalin in Interventional Cardiology,” Cardiovascular Biomarkers which Enhance Clinical Practice in Emergency Medicine and Cardiology: the State of the Art for Markers of Necrosis, Hemodynamic Stress and Cardiorenal Syndrome, Satellite Symposium to the European Society of Cardiology Annual Scientific Sessions, Munich, Germany, September 2, 2008.
- L160) “Diagnosis and Management of Diabetes, Hypertension, and Acute Dyspnea,” 2008 CVD and CKD Intersection Consensus Conference, Chicago, IL, September 26, 2008.
- L161) “Chronic Kidney Disease and Contrast Nephropathy (Contrast-Induced Acute Kidney Injury [CI-AKI]): From Prognostic Scores to the Latest Preventive Strategies” Complex Patients, Complex Lesions, 20<sup>th</sup> Annual Transcatheter Therapeutics Conference, Washington, DC, October 14, 2008.
- L162) “Chronic Kidney Disease: a CHD Risk Equivalent” 2008 Cardiometabolic Health Congress, Harvard Medical School, Boston, MA, October 19, 2008.
- L163) “Hyperphosphatemia as a Cardiovascular Risk Factor” Nephrology Conference, The Ottawa Hospital, Ottawa, Ontario, Canada, October 28, 2008.
- L164) “Cardiovascular Calcification in Patients with Chronic Kidney Disease” Nephrology Division-Wide Conference, The Ottawa Hospital, Ottawa, Ontario, Canada, October 28, 2008.
- L165) “Hyperphosphatemia and CVD Risk,” Management of Hyperphosphatemia Across the Continuum of CKD, American Society of Nephrology Satellite Symposium, Philadelphia, PA, November 8, 2008.
- L166) “Cardiovascular Calcification” Nephrology Grand Rounds, Humber River Regional Hospital, Toronto, Ontario, Canada, December 9, 2009.
- L167) “Cardiovascular Calcification” Nephrology Grand Rounds, St. Joseph’s Hospital, Toronto, Ontario, Canada, December 9, 2009.
- L168) “Critical Concepts in the Progression of Atherosclerosis” 18<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek, Beaver Creek, CO, February 9, 2009.
- L169) “New Molecular Targets in the Treatment of Atherosclerosis” 18<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek, Beaver Creek, CO, February 9, 2009.



**Peter A. McCullough, M.D., M.P.H.**

- L170) "Sudden Cardiac Death in Patients with Renal Disease" 18<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek, Beaver Creek, CO, February 12, 2009.
- L171) "Cardiovascular and Renal Implications of Contrast Media" Radiology Grand Rounds, The Kingston Hospital, Queens University School of Medicine, Kingston, Ontario, Canada, March 3, 2009.
- L172) "Recent Evidence into the Pathophysiology of Cardiovascular Calcification in Chronic Kidney Disease," NKF Symposium 2009 Spring Clinical Meetings, "Exploring Recent Evidence Related to Cardiovascular Calcification and Chronic Kidney Disease", Nashville, TN, March 27, 2009.
- L173) "Chronic Kidney Disease: Implications For Patients With CAD" Managing the High Risk Coronary Patient, I2 Summit, American College of Cardiology Annual Scientific Sessions, Orlando, FL, March 30, 2009.
- L174) "BNP and Cardiovascular Disease" Cardiology Grand Rounds, Hospital PróCardíaco, Rio de Janeiro, Brasil, April 14, 2009.
- L175) "Acute Cardiac Effects of Marathon Running" Special Guest Lecture, CLINIMEX - Clínica de Medicina do Exercício, Rio de Janeiro, Brasil, April 14, 2009.
- L176) "Interface entre doença renal e cardiovascular: o rim mata o coração ou o coração mata o rim? Da para evitar esse extermínio?" Terapeutica Cardiovascular International, Hospital Espanhol, Salvador, Brasil, April 17, 2009.
- L177) "A angiotomografia coronária deve ser empregada em todo paciente com do torácica de risco baixo-moderado?" Terapeutica Cardiovascular International, Hospital Espanhol, Salvador, Brasil, April 17, 2009.
- L178) "Conferencia Internacional: Oportunidades para aperfeiçoar o tratamento da insuficiência cardíaca avançada/descompensada" Terapeutica Cardiovascular International, Hospital Espanhol, Salvador, Brasil, April 17, 2009.
- L179) "Invasive Versus Non-invasive Coronary Angiography: Guidelines for Achieving Optimal Outcomes" Annual Scientific Sessions of the Society for Cardiac Angiography and Intervention, Las Vegas, NV, May 7, 2009.
- L180) "Cardiorenal Syndrome" Moderator, American Society of Nephrology Annual Scientific Sessions, Renal Week 2009, San Diego, CA, October 29, 2009.
- L181) "The Creatinine Changes: Now What?" Cardiorenal Syndromes, Annual Scientific Sessions, AHA, Orlando, FL, November 16, 2009.

**Peter A. McCullough, M.D., M.P.H.**

- L182) “Cardiorenal Syndromes: Strategies for Success” 19<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek, Avon, CO, February 6-11, 2010.
- L183) “Cardiomyopathy of Obesity” 19<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek, Avon, CO, February 6-11, 2010.
- L184) “Why Does Atherosclerosis Calcify: Clinical Implications” 19<sup>th</sup> Annual Cardiovascular Conference at Beaver Creek, Avon, CO, February 6-11, 2010.
- L185) “Prevention Trials in AKI” 15<sup>th</sup> International Conference on Continuous Renal Replacement Therapies (CRRT: 2010) Scientific Meeting, Del Coronado, CA, February 24, 2010.
- L186) “Cardiology Trials” 15<sup>th</sup> International Conference on Continuous Renal Replacement Therapies (CRRT: 2010) Scientific Meeting, Del Coronado, CA, February 24, 2010.
- L187) “Contrast Nephropathy: Prevention and Management” 15<sup>th</sup> International Conference on Continuous Renal Replacement Therapies (CRRT: 2010) Scientific Meeting, Del Coronado, CA, February 26, 2010.
- L188) “Lipoprotein-Associated Phospholipase A2 (Control#: 4599)” Symposium: Do New Markers & Genomics Enhance Risk Prediction? Annual Scientific Sessions of the ACC, Atlanta, GA, March 15, 2010.
- L189) “New Insights Into the Role of Heart-Kidney Interactions in the Cardiorenal Syndrome” (Control#: 16660) Symposium: Recognition and Management of the Cardiorenal Syndrome in Advanced Heart Failure, Annual Scientific Sessions of the American College of Cardiology, Atlanta, GA, March 15, 2010.
- L190) “B-Type Natriuretic Peptides in Cardiorenal Syndromes” 5<sup>th</sup> Annual Turning Science into Caring Symposium, Wiesbaden, Germany, March 25, 2010.
- L191) “CKD and CVD Interaction in KEEP” KEEP Update: the Common Soil of CKD and CVD, NKF Spring Clinical Meetings, Orlando, FL, April 16, 2010.
- L192) “Cardio Renal Intersection, Crossroads to the Future - Novel Coronary Risk Factors” NKF Spring Clinical Meetings, Orlando, FL, April 16, 2010.
- L193) “Diagnostic Workup of suspected heart disease in CKD” NKF Spring Clinical Meetings, Orlando, FL, April 17, 2010.
- L194) “BNP: Beyond Heart Failure (BNP más allá de la insuficiencia cardiaca)”, XIX Chile 2010 Congreso Latinoamericano de Bioquímica Clínica, XVI Congreso Chileno de Química

**Peter A. McCullough, M.D., M.P.H.**

Clinica, Biomarcadores en Enfermedades Cardio-Renales COLABIOCLI 2010, Santiago del Chile, April 21, 2010.

- L195) “Prevention of Cardiorenal Syndromes”, 19<sup>th</sup> International Vicenza Course on Critical Care Nephrology, Vicenza, Italy, June 10, 2010.
- L196) “La Pandemia de la Obesidad: Que podemos hacer aquí y ahora” “Importancia de la Evaluación previa y el monitoreo cardiaco en rehabilitación cardiaca” “Ergoespirometria: Diagnostico e implicaciones terapéuticas,” Sociedad Columbiana de Cardiologica y Ciruga Cardiovascular Fundacion Columbiana del Corazon Comite de Prevencion y Rebabilitacion Cardiovascular Dia Mundial del Corazon, Santa Marta, Columbia, September 25, 2010.
- L197) “CKD: A CHD Equivalent” 2010 Cardiometabolic Health Congress (CMHC), Boston MA, October 22, 2010.
- L198) “Treatment Disparities in Patients with Acute Coronary Syndromes and Kidney Disease” AHA Scientific Sessions 2010, Chicago, IL, November 13, 2010.
- L199) “Integration of Advanced Information Technology into Nephrology Practice” Moderator, at the American Society of Nephrology, Denver, CO, November 21, 2010.
- L200) “Cardiorenal Syndromes” Special Lecture, Mansoura Nephrology and Urology Center, Mansoura, Egypt, November 29, 2010.
- L201) “Neutrophil Gelatinase Associated Lipocalin.” Al Mokhtabar Laboratories, Cairo, Egypt, December 1, 2010.
- L202) “Cardiorenal Syndromes” ACC Williamsburg Conference, Williamsburg, VA, December 5, 2010.
- L203) “Micronutrients and Cardiorenal Disease: Insights into Novel Assessments and Treatment” 13<sup>th</sup> International Conference on Dialysis, Advances in CKD 2011, Miami, FL, January 26, 2011.
- L204) “Managing High Risk Patients in a i2 Spotlight entitled Cardiac Care Team Spotlight: Approaches for CAD Management” American College of Cardiology 60th Annual Scientific Session and i2 Summit 2011, April 2, 2011, in New Orleans, LA.
- L205) “Lipid Management in Patients with Renal Insufficiency in a ACC Symposium entitled Lipid Management in Special Populations” American College of Cardiology 60th Annual Scientific Session and i2 Summit 2011, April 2, 2011, in New Orleans, LA.
- L206) “KEEP Symposium 2011: KEEP A New Longitudinal Dimension for a New Decade” NKF Spring Clinical Meetings, April 29, 2011, Las Vegas, NV.

**Peter A. McCullough, M.D., M.P.H.**

- L207) “Disparities of Treatment for ACS and Heart Failure in CKD Patients” 20<sup>th</sup> International Vicenza Course on Hemodialysis and CKD, June 8, 2011, Vicenza, Italy.
- L208) “AKI: Can We Prevent It?” 20<sup>th</sup> International Vicenza Course on Hemodialysis and CKD, June 9, 2011, Vicenza, Italy.
- L209) “Measuring Natriuretic Peptides in Acute Coronary Syndromes” American Association of Clinical Chemistry Annual Meeting, Atlanta, GA, July 26, 2011.
- L210) “Biomarkers in Stable Angina and Microvascular Dysfunction”, Emerging Role of Biomarkers in Cardiorenal Syndrome and Acute Coronary Syndrome: Diagnosis Stratification and Management, Siena Italy, September 2, 2011.
- L211) “Cardiorenal Syndrome Definition and Scope: Cardiac Perspective” 28<sup>th</sup> National Congress of Nephrology, Hypertension, Dialysis, and Transplantation, Antalya, Turkey, October 20, 2011.
- L212) “Targeted Hypertension Management for Optimal Cardiorenal Outcomes” 28<sup>th</sup> National Congress of Nephrology, Hypertension, Dialysis, and Transplantation, Antalya, Turkey, October 22, 2011.
- L213) “The KEEP Experience” 3rd International Symposium on Albuminuria – The Prognostic Role of Albuminuria: Impact on Kidney and Cardiovascular Outcomes, Groningen, Netherlands, December 1, 2011.
- L214) “Cardiorenal Syndromes” Cardiology Guest Lecture, University of Chicago, Pritzker School of Medicine, Chicago, IL, January 18, 2012.
- L215) “Diagnosis of Cardiovascular Disease in CKD” 14th international conference on dialysis, advances in CKD 2012, Palm, Harbor, FL, January 26, 2012
- L216) “Acute Kidney Injury Guidelines” KDIGO Clinical Practice Conference: KDIGO Guidelines on Acute Kidney Injury, Glomerulonephritis, and Anemia, Shanghai, China, February 5, 2012
- L217) “Galectin-3: A Novel Blood Test for the Evaluation and Management of Heart Failure” Cardiology Grand Rounds, University of Arkansas for Medical Sciences, Little Rock, Arkansas, February 8, 2012
- L218) “Contrast-Induced Acute Kidney Injury” 17<sup>th</sup> Annual CRRT 2012, Acute Kidney Injury Controversies, Challenges, and Solutions, San Diego, CA February 15, 2012

**Peter A. McCullough, M.D., M.P.H.**

- L219) “Recent Trials in the Prevention of Contrast-Induced AKI: Importance of Emerging Biomarkers” 17<sup>th</sup> Annual CRRT 2012, Acute Kidney Injury Controversies, Challenges, and Solutions, San Diego, CA February 17, 2012
- L220) “Role of Galectin-3 in Heart Failure” Joint American Association of Cardiologists of Indian Origin and ACC Dinner Symposium, American College of Cardiology Scientific Sessions 2012, Chicago, IL, March 25, 2012
- L221) “Bariatric Surgery: A Cure for Obesity?” American College of Cardiology Scientific Sessions 2012, Joint Symposium of the American Association of Clinical Endocrinologists and the ACC: Cardiologists as Endocrinologists – Emerging Management of the Diabetic Patient, Chicago, IL, March 26, 2012
- L222) “Practical Management of Obesity for the Cardiologist” 48<sup>th</sup> Annual Robert M. Jeresaty Cardiovascular Symposium, Hartford, CT, May 3, 2012
- L223) “Prevention of Cardiovascular Events: Beyond Statins” 48<sup>th</sup> Annual Robert M. Jeresaty Cardiovascular Symposium, Hartford, CT, May 3, 2012
- L224) “Contrast Media and Patient Safety: The Clinical Impact” Swiss Congress of Radiology, Zurich, Switzerland, May 31, 2012
- L225) “Importance of Methodological Rigor in CI-AKI Meta-Analyses” 48<sup>th</sup> Congresso Nazionale Italian Society of Radiology (SIRM), Torino, Italy, June 2, 2012
- L226) “Chronic Kidney Disease and Heart Failure” 2012 Cardiometabolic Health Congress (CMHC) Boston, MA, October 12, 2012
- L227) “Chronic Kidney Disease and Acute Myocardial Infarction” CKD a Recipe for CVD Disaster, Kidney Week, American Society of Nephrology, San Diego, CA, October 30, 2012
- L228) “Epidemiology and Pathophysiology of Coronary Artery Disease in Chronic Kidney Disease” Scientific Sessions 2012, AHA, Los Angeles, CA, November 5, 2012
- L229) “The Cardiorenal Syndrome” Acute Dialysis Quality Initiative 11: Cardiorenal Syndromes, Venice, Italy, November 30, 2012
- L230) “Cardiorenal Syndromes” Cardiology Grand Rounds, University of Missouri School of Medicine, Columbia, MO, December 20, 2012
- L231) “Diagnosis and Management of Coronary Disease in Patients with Kidney Disease” Internal Medicine Grand Rounds, University of Missouri School of Medicine, Columbia, MO, December 20, 2012

**Peter A. McCullough, M.D., M.P.H.**

- L232) "The Hypertension Epidemic: Are We Any Further Ahead?" 22nd Annual Cardiovascular Conference at Beaver Creek, Avon, CO, February 9-16, 2013
- L233) "Cardiorenal Syndromes: The Cardiac Perspective" Inaugural Cardio Renal Society of America (CRSA), 14th Annual Southwest Nephrology Conference (SWNC), Chandler, AZ, March 2, 2013
- L234) "Managing Hyponatremia in Cardiorenal Syndromes" Satellite Symposia to the NKF Spring Clinical Meetings, Orlando, FL, April 3, 2013
- L235) "Session Title: Debate: To Screen or Not to Screen for CKD--PRO? NKF Spring Clinical Meetings, Orlando, FL, April 5, 2013
- L236) "Galectin-3: A Novel Biomarker for the Assessment and Management of Heart Failure" Heart Failure Conference, University of Pittsburgh Medical Center, Pittsburgh, PA, May 28, 2013
- L237) "The Kidney in Heart Failure" 31st International Vicenza Course on Critical Care Nephrology, June 11-14, 2013, Vicenza, Italy
- L238) "Contrast-Induced Acute Kidney Injury" 31st International Vicenza Course on Critical Care Nephrology, June 11-14, 2013, Vicenza, Italy
- L239) "Novel Biomarkers in the Prognosis and Management of Heart Failure" BUMC Medicine Grand Rounds, August 20, 2013, Dallas, TX
- L240) "Cardiorenal Syndromes: New Insights into Combined Heart and Kidney Failure" Cardiology Grand Rounds, University of Virginia Medical Center, August 26, 2013, Charlottesville, VA
- L241) "Major Advances in the Treatment of Atherosclerosis: New Options for Patients with Familial Hypercholesterolemia and Those Intolerant to Conventional Lipid Lowering Therapy" Cardiology Update, University of Missouri School of Medicine, September 14, Columbia, MO
- L242) "Keynote Address: Recent Advances in the Assessment of Acute Kidney Injury with Neutrophil Gelatinase Associated Lipocalin" 47th Brazilian Congress of Clinical Pathology and Laboratory Medicine, September 23, 2013, Sao Paulo, Brazil.
- L243) "Advancements in Cardiometabolic Risk Assessment: Expert Analysis of Recent Evidence and Outcomes" 2013 Cardiometabolic Health Congress, October 2, 2013, Boston, MA.

**Peter A. McCullough, M.D., M.P.H.**

- L244) “Keynote Address: Cardiorenal Syndromes: New Insights to Patients with Combined Heart and Kidney Failure” Fourth Italian Great Network Congress, Focus on Innovation and Translational Research in Emergency Medicine, Sapienza Universita di Roma, October 14-18, 2013, Rome, Italy.
- L245) “Practical Experience with Galectin-3” Fourth Italian Great Network Congress, Focus on Innovation and Translational Research in Emergency Medicine, Sapienza Universita di Roma, October 14-18, 2013, Rome, Italy.
- L246) “Using Novel Biomarkers in the Assessment and Management of Heart Failure” Bon Secours Cardiovascular Conference, October 25, 2013, Williamsburg, VA
- L247) “Detection and Consequences of Iron Deficiency Anemia in CKD Patients” Session Title: The Role of Iron in the Optimization of Anemia Management in CKD, American Society of Nephrology, Kidney Week, November 9, 2013, Atlanta, GA
- L248) “Bench to Bedside: What Happens to the Physiologic Systems After an Acute Bout of High Intensity/Volume Exercise?” Session Title: Cardiovascular Seminar entitled Potential Cardiotoxicity of Extreme Endurance Exercise, Annual Scientific Sessions of the AHA, November, 20, 2013, Dallas, TX.
- L249) “Atrasentan for the treatment of diabetic nephropathy: how to control the risk of heart failure?” Session Title: “Lessons Learned from First Post FDA Guidance Case Studies of Diabetes CV Outcomes Trials, 10th Global CardioVascular Clinical Trialists (CVCT) Forum, December 7, 2013, Paris, France.
- L250) “Reflection: Biomarker-based modeling tools: safer drugs and faster development?” A workshop initiated by the TI-Pharma Escher project for academia, industry, and the European Medicines Agency, January 24, 2014, Amsterdam, the Netherlands.
- L251) “Focus on lipids: HDL and Its Associated Lipoproteins in Cardiac and Renal Disease” Changing Paradigms in Acute Kidney Injury: From Mechanisms to Management Sponsored by UAB/UCSD O’Brien Center for AKI Research, 19<sup>th</sup> International Conference on Advances in Critical Care, CRRT 2014, International Society of Nephrology, Acute Kidney Injury Network, March 4-7, 2014, San Diego, CA.
- L252) “Cardiac and Renal Fibrosis in Chronic Cardiorenal Syndromes” Targeting Recovery from Acute Kidney Injury:, 19<sup>th</sup> International Conference on Advances in Critical Care, CRRT 2014, International Society of Nephrology, Acute Kidney Injury Network, March 4-7, 2014, San Diego, CA.
- L253) “Statins for AKI: Friend or Foe” Controversies in Critical Care Nephrology:, 19<sup>th</sup> International Conference on Advances in Critical Care, CRRT 2014, International Society of Nephrology, Acute Kidney Injury Network, March 4-7, 2014, San Diego, CA.

**Peter A. McCullough, M.D., M.P.H.**

- L254) “Managing Heart Failure and Cardiorenal Syndrome” Workshop, 19<sup>th</sup> International Conference on Advances in Critical Care, CRRT 2014, International Society of Nephrology, Acute Kidney Injury Network, March 4-7, 2014, San Diego, CA.
- L255) “ST2: A Novel Biomarker in the Assessment and Management of Heart Failure” 2<sup>nd</sup> Annual Cardio Renal Society of America (CRSA), 15th Annual Southwest Nephrology Conference (SWNC), Ft. McDowell, AZ, March 8, 2014.
- L256) “Cardiac and Renal Fibrosis in Chronic Cardiorenal Syndromes” 2<sup>nd</sup> Annual Cardio Renal Society of America (CRSA), 15th Annual Southwest Nephrology Conference (SWNC), Ft. McDowell, AZ, March 8, 2014.
- L257) “New Approaches to the Management of Cardiorenal Syndromes” 2<sup>nd</sup> Annual Cardio Renal Society of America (CRSA), 15th Annual Southwest Nephrology Conference (SWNC), Ft. McDowell, AZ, March 8, 2014.
- L258) “My New Favorite Biomarker: Galectin-3” 2014 UCSD Biomarkers in Clinical Practice Symposium, La Jolla, CA, April 5, 2014.
- L259) “Changing Profile of Chronic Hyperkalemia” NKF Spring Clinical Meetings, Las Vegas, NV, April 24, 2014.
- L260) “The Next Generation of Screening for Kidney Disease” NKF Spring Clinical Meetings, Las Vegas, NV, April 25, 2014.
- L261) “Cardiorenal Syndromes” Cardiology, Diabetes & Nephrology at the Limits, Royal College of Physicians, London, UK, April 26, 2014.
- L262) “Acute Cardiorenal Syndromes: New Insights into Combined Heart and Kidney Failure” Actual Problems of Extracorporeal Blood Purification in Intensive Care, Russian Scientific Society of Specialists in Extracorporeal Blood Purification, Bakoulev Scientific Center for Cardiovascular Surgery of the Russian Academy of Medical Sciences, Moscow, Russia, May 22, 2014.
- L263) "Fibrosis in the Heart and Kidneys in the Pathogenesis of Chronic Cardiorenal Syndromes" Actual Problems of Extracorporeal Blood Purification in Intensive Care, Russian Scientific Society of Specialists in Extracorporeal Blood Purification, Bakoulev Scientific Center for Cardiovascular Surgery of the Russian Academy of Medical Sciences, Moscow, Russia, May 23, 2014.
- L264) “Hyperkalemia: Old Foe with New Faces” 51<sup>st</sup> European Renal Association – European Dialysis and Transplantation Association Congress, Amsterdam, the Netherlands, June 2, 2014.



**Peter A. McCullough, M.D., M.P.H.**

- L265) “Contrast Induced Complications in the Cath Lab” Transcatheter Cardiovascular Therapeutics (TCT) Russia, Moscow, Russia, June 16, 2014.
- L266) “The RAASi Debate: Should RAAS Continue with a Declining GFR?: Will the Path be Clearer” Co-Chair, European Society of Cardiology, Barcelona, Spain, August 31, 2014.
- L267) “Novel Markers of Acute and Chronic Kidney Injury,” Where Inflammation Meets Lipids: Broad Based Strategies for Risk Reduction, Cleveland Heart Labs, Cleveland, OH, September 12, 2014.
- L268) “Advances in the Understanding of Acute and Chronic Cardiorenal Syndromes: Pathophysiological Crosstalk of Multiple Metabolic and Neurohormonal Systems” 41<sup>st</sup> Williamsburg Cardiovascular Conference, Williamsburg, VA, December 7, 2014.
- L269) “CHADS, CHADS-VASc, HAS-BLED, What Does it Mean and How Do We Use It? Atrial Fibrillation Session, Dallas-Leipzig Valve 2104, Dallas, TX, December 11, 2014.
- L270) “Soup-to-Nuts Renal Failure: Caring for the Patient with Kidney Injury” Society of Critical Care Medicine, Phoenix, AZ, January 19, 2015.
- L271) “RAASi Optimization in Heart Failure” 2<sup>nd</sup> Annual Cardiorenal Society of America Meeting, Phoenix, AS, February 28, 2015.
- L272) “Cardiac Surgery Associated Acute Kidney Injury” Association of Physician Assistants in Cardiac Surgery, Las Vegas, NV, March 3, 2015.
- L273) “The Potassium Challenge in CKD: Managing Acute and Chronic Hyperkalemia: Novel Polymer-Based Potassium Binders: Clinical Evidence” NKF Spring Clinical Meetings, March 27, 2015.
- L274) “KEEP Healthy: Insights into CKD Care” NKF Spring Clinical Meetings, March 28, 2015.
- L275) “The Heart of the Matter” NKF Spring Clinical Meetings, March 28, 2015.
- L276) “Literature Review: CVD” NKF Spring Clinical Meetings, March 28, 2015.
- L277) “Biomarkers of Kidney and Heart Injury in Cardiorenal Syndrome” Cardioneurology 2015, Rome, Italy, April 16, 2015.
- L278) “AKI after Acute Myocardial Infarction: Contrast, Organ Crosstalk and Complications” 33rd Vicenza Course on Critical Care Nephrology in Vicenza, Italy, June 9-12, 2015.

**Peter A. McCullough, M.D., M.P.H.**

- L279) “A New Mechanism of Action for Addressing Hyperkalemia: New Data on Non-Polymer Hyperkalemia Therapies” 33rd Vicenza Course on Critical Care Nephrology in Vicenza, Italy, June 9-12, 2015.
- L280) “Lp-PLA2 as a marker of Vascular Inflammation and CHD Risk Assessment” Symposium: Advances in Laboratory Testing for Coronary Heart Disease; The New PLAC Test for Lp-PLA2 Activity, American Association of Clinical Chemistry Annual Meeting, Atlanta, GA, June 29, 2015.
- L281) “Galectin-3 in the Prognosis and Management of Heart Failure” American Association of Clinical Chemistry Annual Meeting, Atlanta, GA, June 29, 2015.
- L282) “Cardio-Renal Syndrome and Clinical Implications” AKI from Pathophysiology to Clinical Implications, Global Research on Acute Conditions Team (GREAT) Annual Meeting, Rome, Italy, September 5, 2015.
- L283) “Lp-PLA2 and Testing for Primary Prevention Risk Assessment” 2015 Cardiometabolic Health Congress, Harvard Medical School, Boston, MA, October 22, 2015.
- L284) “Heart and Kidney: a Dangerous Liaison” Comorbidities in Heart Failure: From Guidelines to Clinical Practice, 775 Anniversary University of Sienna, Sienna, Italy, October 29, 2015.
- L285) “Role of BNP, Pro-BNP, and Elevated Left Ventricular Mass in Cardiorenal Syndrome” American Society of Nephrology Kidney Week, San Diego, CA, November 6, 2015.
- L286) “How to Use Urine Thromboxane B2 to Select and Monitor Aspirin Therapy” Moderator, Scientific Sessions 2015, AHA, Orlando, FL, November 10, 2015.
- L287) “Putting it All Together: How to Use Urine 11-Dehydrothromboxane B2 In Clinical Practice” Scientific Sessions 2015, AHA, Orlando, FL, November 10, 2015.
- L288) “Neurogenic Orthostatic Hypotension” Moderator, Scientific Sessions 2015, AHA, Orlando, FL, November 10, 2015.
- L289) “Cardiac Cachexia” Managing Disease Related Lean Body Mass Loss Through Clinical and Nutritional Interventions, The Sackler Institute for Nutrition Science The New York Academy of Sciences, New York, NY, December 4, 2015.
- L290) “The Devastating Consequences of Systemic Hypertension and What To Do About It?” 42<sup>st</sup> Williamsburg Cardiovascular Conference, Williamsburg, VA, December 6-8, 2015.
- L291) “The Impact and Management of Malnutrition in Patients with Heart Failure” Heart Failure University 2015, Conference Co-Chair, Los Angeles, CA, December 11-13, 2015.

**Peter A. McCullough, M.D., M.P.H.**

- L292) “Acute and Chronic Cardiovascular Effects of Hyperkalemia: New Insights Into Prevention and Clinical Management” Heart Failure University 2015, Conference Co-Chair, Los Angeles, CA, December 11-13, 2015.
- L293) “Lipoic Acid in the Prevention of Acute Kidney Injury” 21st International Conference on Continuous Renal Replacement Therapies CRRT 2016, San Diego, CA, February 16-18, 2016.
- L294) “Novel Approaches for Recognition and Management of Life Threatening Complications of AKI and CKD” 21st International Conference on Continuous Renal Replacement Therapies CRRT 2016, San Diego, CA, February 16-18, 2016.
- L295) “Making Iodinated Contrast Less Nephrotoxic with Cyclodextrin” 21st International Conference on Continuous Renal Replacement Therapies CRRT 2016, San Diego, CA, February 16-18, 2016.
- L296) “Cardiorenal Syndrome” 4<sup>th</sup> Annual Cardio-Renal Metabolic Conference, Cardiorenal Society of America, Phoenix, AZ, March 13, 2016.
- L297) “Cardiorenal Syndromes Identification: Prevention and Management of CI-AKI” China Interventional Therapeutics (CIT), Beijing, Shanghai Zhong Shan Hospital, Shanghai, The 2nd Affiliated Hospital of Zhejiang University, Hangzhou, Xi Jing Hospital, Xi’an, Nanjing 1st Hospital, Nanjing, Peoples Republic of China, March 14-21, 2016.
- L298) “Cardiorenal Syndromes” Keynote Address, Inaugural Cardio-Renal Connections Meeting, San Antonio, TX , April 16, 2016.
- L299) “Galectin-3 in the Prognosis and Management of Heart Failure” American Association of Clinical Chemistry Annual Scientific Meeting, Philadelphia, PA, August 1, 2016.
- L300) Hemodialysis University, “Is It Heart Failure or Fluid Overload?”, Chicago, IL, September 10, 2016.
- L301) “Novel Agents for the Treatment of Hyperkalemia” Heart Failure Society of America Annual Scientific Meeting, Orlando, FL, September 18, 2016.
- L302) Symposium “Hyperkalemia in the Emergency Department: Updates on the Current Management of a Complex Condition.” “Novel Agents for the Prevention and Treatment of Hyperkalemia” American College of Emergency Physicians Scientific Assembly, Las Vegas, NV, October 14, 2016

**Peter A. McCullough, M.D., M.P.H.**

- L303) Moderator “CVD in Patients with CKD: Update from the CRIC Study” Annual Scientific Sessions of the AHA, New Orleans, LA, November 13, 2016
- L304) Program Chairman “A Night at the Museum: Inaugural Symposium of the Cardiorenal Society of America Transcending the Dinosaurs: Guiding AKI Prevention using next-gen biomarkers: Real World Experiences from modern practices” satellite Symposium at American Society of Nephrology Kidney Week, Field Museum, Chicago, IL, November 18, 2016
- L305) “Pathobiologic Systems Involved in Cardiorenal Disease” 43<sup>rd</sup> Williamsburg Cardiovascular Conference, Williamsburg, VA, December 3-5, 2016
- L306) “Cardiac Cachexia” Heart Failure University, MedReviews LLC, Los Angeles, CA, December 10, 2016
- L307) “Is There a Role for Bariatric Surgery in Heart Failure Patients with Obesity?” Scientific Sessions 2017, American College of Cardiology, Washington, DC, March 18, 2017
- L308) “Vascular and Cardiac Hypertrophy in Fabry Disease” 5<sup>th</sup> Annual Fabry Nephropathy Update, Mexico City, Mexico, April 26, 2017
- L309) “Introduction to Cardiorenal Medicine” Cardiorenal University, Anaheim, CA, May 18, 2017
- L310) “Sudden Death in End-Stage Renal Disease” Cardiorenal University, Anaheim, CA, May 18, 2017
- L311) “Cardiorenal Syndromes and Heart Failure” Conference Chair, Disease Global Outcomes (KDIGO) Controversies Conference on Heart Failure in Chronic Kidney Disease, Athens, Greece, May 25-28, 2017
- L312) “Vadadustat Does Not Prolong Corrected QT Interval In A Thorough QTC Study In Healthy Subjects” 54th ERA-EDTA Congress, Madrid, Spain, June 3-6, 2017
- L313) “Cardiorenal Syndromes” 1<sup>st</sup> Annual Heart iN Diabetes: Where the Heart, Kidney, and Diabetes Meet in Clinical Practice, Philadelphia, PA, July 14-16, 2017
- L314) “Cardiovascular Disease in Patients with Chronic Kidney Disease: A Serious Link” TOP 2017--Target Organ Protection Conference, Bangalore, India, August 11, 2017
- L315) “Statin Therapy to Prevent Onset and Progression of Vascular Disease” TOP 2017--Target Organ Protection Conference, Bangalore, India, August 11, 2017

**Peter A. McCullough, M.D., M.P.H.**

- L316) “Keynote Address: Cardiorenal Society of America” 5<sup>th</sup> Annual Scientific Meeting of the Cardiorenal Society of America, Phoenix, AZ, October 6, 2017
- L317) “Cardiovascular Benefits of Home Hemodialysis” Addressing Unmet Needs in Dialysis: Cardiovascular Care and Volume Control Symposium, Kidney Week 2017 American Society of Nephrology, New Orleans, LA, November 4, 2017
- L318) “CIEDs in ESRD Patients: What Are the Long-Term Data?” Kidney Week 2017 American Society of Nephrology, New Orleans, LA, November 4, 2017
- L319) “Cardiovascular Seminar Cardiorenal Syndrome: Who hurts who?” AHA Scientific Sessions 2017, Anaheim, CA, November 14, 2017
- L320) “Cardiac and Renal Fibrosis in CRS” AHA Scientific Sessions 2017, Anaheim, CA, November 14, 2017
- L321) Chair, Inaugural Cardiometabolic University and Nutrition Academy “The Skinny on Weight Loss: Practical Considerations for the Cardiovascular Specialist” MedReviews, Westlake, TX, December 1-3, 2017
- L322) “Clinical Laboratory Advancements in Cardiometabolic Disease: Screening, Diagnosis, Prognosis, and Management” 44th Annual Williamsburg Conference on Heart Disease, Williamsburg, VA, December 4, 2017
- L323) “The Skinny on Weight Loss: Practical Approaches for the Cardiovascular Specialist” Cardiometabolic University 2017, Conference Chair, Dallas, TX, December 1-3, 2017
- L324) “Diagnosis, Evaluation, and Role of Biomarkers in Heart Failure” Heart Failure University 2017, Conference Co-Chair, Los Angeles, CA, December 10-12, 2017
- L325) “Biomarkers of Kidney Dysfunction and Cardiorenal Syndrome” University of California at San Diego 14th Annual Biomarkers in Heart Failure and Acute Coronary Syndromes: Diagnosis, Treatment and Devices, San Diego, CA, March 2, 2018
- L326) “What do I do to Prevent Contrast Induced Renal Injury” 23rd International Conference on Continuous Renal Replacement Therapies CRRT 2018, San Diego, CA, March 8, 2018
- L327) “AKI in the patient with Cancer” 23rd International Conference on Continuous Renal Replacement Therapies CRRT 2018, San Diego, CA, March 8, 2018.
- L328) “CKD-Related Anemia and Cardiac Complications” NKF Spring Clinical Meetings, Austin, TX April 14, 2018

**Peter A. McCullough, M.D., M.P.H.**

- L329) “Principles of Distributive Shock” Cardiorenal Society of America National Grand Rounds Series, Boston, MA, April 30, 2018
- L330) “Biomarkers with More Muscle: Moving Beyond Serum Creatinine to Define Cardiorenal Syndrome in HF” Heart Failure Society of American Annual Scientific Sessions, Nashville, TN, September 15, 2018
- L331) “Heart Failure in Cardiorenal Syndrome: Updates on Biomarkers” Cardiorenal Society of America Annual Scientific Meeting, Phoenix, AZ, October 6, 2018
- L332) “Novel Approaches in Lowering LDL-C” Cardiorenal Society of America Annual Scientific Meeting, Phoenix, AZ, October 6, 2018
- L333) “What Do We Know About Cardiorenal Physiology? An Overview” American Society of Nephrology Kidney Week, San Diego, CA, October 26, 2018
- L334) “Prevention of Heart Failure: The Next Frontier” Cardiometabolic Health Conference, Boston, MA, October 27, 2018
- L335) “AKI and Heart Failure: How to Manage Compared to the General Population” Cardiometabolic Health Conference, Boston, MA, October 27, 2018
- L336) “SGLT-2 Inhibitors and Cardio-renal Outcomes: Mechanistic Role and Rationale for Treatment of Heart Failure” American Heart Association Annual Scientific Sessions, Chicago, IL, November 10, 2018
- L337) “Obesity and Heart Disease” 44th Annual Williamsburg Conference on Heart Disease, Williamsburg, VA, December 4, 2018
- L338) “Current Concepts in Hypertension Management” University of Texas Health Science Center, Tyler, TX, January 15, 2019
- L339) “Managing the Heart Failure Patient with Worsening Renal Function (WRF)” 24th International Conference on Continuous Renal Replacement Therapies CRRT 2019, San Diego, CA, February 28, 2019
- L340) “Cardiorenal Syndrome: What Have We Learned?” 24th International Conference on Continuous Renal Replacement Therapies CRRT 2019, San Diego, CA, February 28, 2019
- L341) “ Debate: Biomarker Guided Heart Failure Therapy: Con: Neuropeptides; ST2” 15th Annual USCD Biomarkers in Heart Failure and Acute Coronary Syndromes, Diagnosis, Treatment & Devices, La Jolla, CA March 1, 2019
- L342) “Cardiorenal Syndromes” Cardioneurology Congress, Rome, March 12 to 14, 2019

**Peter A. McCullough, M.D., M.P.H.**

- L343) “Iron and Heart Failure” Cardiometabolic Health Congress West meeting in Phoenix, AZ on Saturday, May 4, 2019
- L344) “Up to Date Management of Arrhythmias in Dialysis Patients” National Kidney Foundation Spring Clinical Meetings, May 11, 2019
- L345) “Lipids in Chronic Kidney Disease” National Kidney Foundation Spring Clinical Meetings, May 11, 2019
- L346) “Cardiorenal Syndromes” Helen Dunham Cardio-Renal Lecture and Cardiovascular Grand Rounds, Brigham and Women’s Hospital, Boston, MA, May 23, 2019
- L347) “Chronic Kidney Disease as a Cardiovascular Risk State” Helen Dunham Cardio-Renal Lecture and Cardiovascular Grand Rounds, Brigham and Women’s Hospital, Boston, MA, May 23, 2019
- L348) “Biomarkers and Assessment of Cardiac Function In Fabry Cardiomyopathy” 6th Update on Fabry Disease: Biomarkers, Progression and Treatment Opportunities, Prague, Czech Republic, May 26-28, 2019
- L349) “Contrast-Induced Acute Kidney Injury” 37th Vicenza Course on AKI &CRRT, Vicenza, Italy, May, 28-30 2019
- L350) “Cardiac Biomarkers in AKI” 37th Vicenza Course on AKI &CRRT, Vicenza, Italy, May, 28-30 2019
- L351) “Risk Mitigation in the Cardiac Catheterization Laboratory” 37th Vicenza Course on AKI &CRRT, Vicenza, Italy, May, 28-30 2019
- L352) “Pathophysiology and Current Concepts in Classification” Clinical Practice Clinical Science Track: Treatment of Cardiorenal Syndrome, American Heart Association Hypertension Scientific Sessions, New Orleans, LA, Sept 8, 2019
- L353) “Cardiovascular Genetics” 44th Annual Williamsburg Conference on Heart Disease, Williamsburg, VA, December 9, 2019
- L354) “Cardiorenal Syndromes” 17th World Congress on Insulin Resistance, Diabetes & Cardiovascular Disease (WCIRDC), Los Angeles, CA, December 4-7, 2019
- L355) “Cardiorenal Syndromes” Internal Medicine Grand Rounds, Eastern Virginia College of Medicine, Norfolk, VA, February 19, 2020

**Peter A. McCullough, M.D., M.P.H.**

- L356) "Keynote Address: Prevention of Heart and Kidney Disease" Annual Cardio Renal Metabolic Conference, Cardiorenal Society of America, Phoenix, AZ March 6, 2020
- L357) "Cardioprotective Effects of Antidiabetic Medications: Focus on Sodium-Glucose Transporter-2 Antagonists" Annual Cardio Renal Metabolic Conference, Cardiorenal Society of America, Phoenix, AZ March 7, 2020
- L358) "Fabry Disease: A Unique Cardiorenal Model" Annual Cardio Renal Metabolic Conference, Cardiorenal Society of America, Phoenix, AZ March 7, 2020
- L359) "Biomarkers in Heart and Kidney Disease: Practical Applications" Annual Cardio Renal Metabolic Conference, Cardiorenal Society of America, Phoenix, AZ March 7, 2020
- L360) "Expert Briefing from ADA 2020 Select Sessions: Update on Heart Failure for the Diabetologist & Cardiorenal–Metabolic Axis in Diabetes" American Diabetes Association, June 14, 2020
- L361) "CKD, CHD and Hyperkalaemia: Clinical Outcomes, Morbidity and Mortality" American College of Cardiology - American Society of Nephrology Masterclass September 11, 2020
- L362) "RAASi Enabling in Cardiology Practice - Traditional vs New Potassium Binders; Potassium Binders for Treatment of Hyperkalaemia in HF" American College of Cardiology - American Society of Nephrology Masterclass September 11, 2020
- L363) "Optimizing Transitions from Hospital to Home: Best Practices for Reducing Readmissions in Heart Failure" Hospital Management Summit, October 3, 2020.
- L364) "Assessment and Management of Hyperkalemia in the Hospital Setting: Optimizing Patient Outcomes" Hospital Management Summit, October 3, 2020.
- L365) "Navigating the Challenges of Cardio-Renal Syndrome" 7th Annual Kansas Cardiovascular Symposium, October 10, 2020
- L366) "Management Considerations for Heart Failure in CKD" American Society of Nephrology Kidney Week 2020, October 24, 2020
- L367) "Pathophysiologic Basis and Rationale for Early Ambulatory Treatment of SARS-CoV-2 (COVID-19), SciInov, November 2, 2020
- L368) "CV and Renal Benefits with new anti-diabetes medications: Potential Mechanisms" CReDO Conferences Middle East North Africa (MENA) 2020, November 6, 2020



**Peter A. McCullough, M.D., M.P.H.**

- L369) “Consequences of Withholding GDMT for Heart Failure in CKD: One Step Forward, Two Steps Back” AHA 2020 November 16, 2020
- L370) “Early Ambulatory Treatment for SARS-CoV-2 (COVID-19)” Early Outpatient Treatment: An Essential Part of a COVID-19 Solution. US. Senate Committee on Homeland Security and Governmental Affairs, Washington DC November 19, 2020
- L371) “Pathophysiological Basis & Rationale for Early Outpatient Treatment of SARS-CoV-2 (COVID-19) Infection” 18th Annual World Congress Insulin Resistance Diabetes & Cardiovascular Disease, December 3, 2020
- L372) “Early Ambulatory Therapy for COVID-19 and Update on Vaccine Safety” Heritage Foundation, Washington DC, June 23, 2021
- L373) “Pathophysiological Basis and Clinical Rationale for Early Ambulatory Treatment of COVID-19” Question Everything Conference Lockdowns – Is Now the Time for a Better Solution?, London, UK, July 17, 2021
- L374) “Pathophysiological Basis and Clinical Rationale for Early Ambulatory Treatment of COVID-19 and Update on Vaccine Safety” American Academy of Anti-Aging Medicine, Ann Arbor, MI, July 18, 2021
- L375) “Keynote: Winning the War Against Therapeutic Nihilism and the Rush to Replace Trusted Treatments with Untested Novel Therapies” Association of American Physicians and Surgeons, AAPS 78th Annual Meeting, Sept. 30 to Oct. 2, 2021 – Pittsburgh, PA, October 2, 2021

**INTERNAL COMMITTEE POSITIONS**

- 1) Member, Henry Ford Medical Group Hypertension Control Committee, 1998.
- 2) Ranking Member and Presenter, HFHS Institutional Review Board, 1998-2000.
- 3) Member, HFHS Teaching and Education Committee, Co-Chair of the Research Subcommittee, 1999-2000
- 4) Member, HFHS Graduate Medical Education Committee, 1999-2000.
- 5) Member, HFHS, Internal Medicine Residency Selection Committee, 1998-2000.
- 6) Chair, HFHS, Cardiovascular Diseases Fellowship Program Selection Committee, 1999-2000.

**Peter A. McCullough, M.D., M.P.H.**

- 7) Co-Chair, HFHS, Information Technology and Medical Records Committee, 1999-2000.
- 8) Member, HFHS Department of Internal Medicine, Research Committee, 1999-2000.
- 9) Member, UMKC Adult Health Sciences Institutional Review Board, 2001-2002
- 10) Member, UMKC, Cardiovascular Diseases Fellowship Program Selection Committee, 2000-2002
- 11) Member, Truman Medical Center (TMC) Information Technology Steering Committee, 2001-2002.
- 12) Member, WBH Diabetes Research Center Steering Committee, 2002-2003
- 13) Chairperson, WBH Staff Privileges Appeals Committee, March 31, 2004
- 14) Chairperson, WBH Search Committee for Medical Director of Transplantation Medicine, 2005-2006
- 15) WBH Research Institute Board of Governors, board member, 2007-2010
- 16) Oakland University William Beaumont School of Medicine, Medical Student Committee (founding) for development of Liaison Committee on Medical Education (LCME) application, 2007-2010
- 17) St. John Providence Health System Graduate Medical Education Steering Committee (Chair), 2010 to 2013
- 18) St. John Providence Health System Research Leaders Committee, Chair, 2010 to 2012; Co-Chair 2012 to 2013
- 19) Ascension Michigan Research Affinity Group, Chair, 2010 to 2012; Co-Chair 2012 to 2013
- 20) St. John Providence Health System Executive Committee, 2011 to 2013
- 21) St. John Providence Health System Guidelines Committee, 2012 to 2013
- 22) St. John Providence Health System Presidents Council, 2012 to 2013
- 23) St. John Providence Health System Electronic Medical Record Meaningful Use Steering Committee, 2013
- 24) BUMC Graduate Medical Education Committee, 2014 to present

**Peter A. McCullough, M.D., M.P.H.**

- 25) BUMC Internal Medicine Residency Program Clinical Competency Committee, 2014 to 2021
- 26) BUMC Clinical Cardiology Fellowship Program Clinical Competency Committee, 2014 to 2021
- 27) BUMC Founding Member, Department of Molecular Pathology and Medicine, 2016 to 2021
- 28) BUMC Precision Medicine Executive Committee, 2016 to 2021
- 29) BUMC COVID-19 Therapeutic Task Force 2020

**EXTERNAL COMMITTEE POSITIONS**

- 1) Member, AHA National Women's Heart Disease and Stroke Campaign, Healthcare Provider Sub-Group, Dallas, TX, 1998-1999
- 2) Member, AHA, Chronic Coronary Disease in the Elderly National Database Planning Committee, Dallas, TX, 1998-2000
- 3) Chair, Michigan Chapter of the American College of Cardiology, Annual Mini-Board Review, 1999-2000
- 4) Member, Michigan Chapter of the American College of Cardiology, Annual Meeting Planning Committee, 1999-2000
- 5) Member, National Kidney Disease Outcomes Quality Initiative (K/DOQI) Clinical Practice Guidelines Committee on Chronic Kidney Disease, Andrew S. Levey, MD, Chair, 2001-2002
- 6) Member, K/DOQI Learning System (KLS)<sup>TM</sup> Advisory Board, NKF, New York, NY, 2003 to 2010
- 7) Member, International EECF Patient Registry Working Group, 2003-2008.
- 8) Counselor at large, Michigan Chapter of the American College of Cardiology, 2004-2006
- 9) Member, Planning Committee, AHA, Prevention VIII Conference: Kidney Disease, Hypertension, and Cardiovascular Disease, January 26-28, 2006, Orlando, FL
- 10) Chair, Contrast-Induced Nephropathy (CIN) Working Group Consensus Panel, (international, multispecialty, consensus panel with published findings) 2004-2006. Published in *Am J Cardiol* 2006 Vol 98(6)

**Peter A. McCullough, M.D., M.P.H.**

- 11) Workgroup Member, Kidney Disease Improving Global Outcomes (KDIGO), United States Representative, Amsterdam, Netherlands, 2004, 2006
- 12) Member, Kidney Disease Improving Global Outcomes (KDIGO) Group for the development of Clinical Practice Guidelines for the Diagnosis, Evaluation, Prevention, and Treatment of Chronic Kidney Disease Related Mineral and Bone Disorders (CKD-MBD), Paris, France, 2007-2008
- 13) Board of Directors Member, Kidney Disease Improving Global Outcomes (KDIGO), United States Representative, Brussels, Belgium, 2007-2010
- 14) Workgroup Member, The Sixth International Acute Dialysis Quality Initiative (ADQI) Consensus Conference VI: Acute Kidney Injury in Cardiac Surgery, Vicenza, Italy May 27 – 28, 2007
- 15) Workgroup Leader, Prevention: The Seventh International Acute Dialysis Quality Initiative (ADQI) Consensus Conference VII: Cardiorenal Syndrome, Venice, Italy, September 4-5, 2008, with publication in *Nephrology, Dialysis, and Transplantation*, 2010.
- 16) Chairman, Natriuretic Peptide Testing in Acute Coronary Syndromes Consensus Panel, with published findings in *Reviews in Cardiovascular Medicine* 2010, Dallas, TX, March 2, 2010
- 17) Scientific Advisory Board, NKF, New York, NY, 2010 to present
- 18) Scientific Advisory Board, Cardiorenal Society of America, Phoenix, AZ, 2012 to present
- 19) Workgroup Member, “Cardiovascular Disease in CKD: What is it and what can we do about it?” Kidney Disease Improving Global Outcomes (KDIGO), October 29-31, 2010, London, England.
- 20) Chairman, “Cardio-Renal Syndromes II: from pathophysiology to therapy” Eleventh Consensus Conference Cardio-Renal Syndromes II November 30 – December 2, 2012, Venice, Italy.
- 21) Conference Co-Chair: “Kidney Disease Global Outcomes (KDIGO) Controversies Conference on Heart Failure in Chronic Kidney Disease”, Athens, Greece, May 25-28, 2017
- 22) Chairman, “Cardiometabolic University”, Dallas, TX, December 3-4, 2017
- 23) Chair, American Heart Association Council on the Kidney in Cardiovascular Disease and Council on Clinical Cardiology. Cardiorenal Syndrome: Classification, Pathophysiology, Diagnosis, and Treatment Strategies: A Scientific Statement From the American Heart Association, 2019

**Peter A. McCullough, M.D., M.P.H.**

- 24) Committee Member, American College of Cardiology, Navigating Treatment Decisions for Patients with ASCVD and Multiple Comorbidities Committee, 2019-2020
- 25) Chief Medical Advisor, Truth for Health Foundation, Tucson AZ, 2021 to present
- 26) Advisory Board Member, TrialSite News, 2021 to present
- 27) National and International Advisor/Reviewer/Presenter/Contributor for 4D Molecular Therapies, ABC News, Abbott Laboratories, AbbVie, Advanced Health Media, Aegerion, Affymax, Akcea, Akebia, Alere North America, AMAG, Amersham, Amgen, Amylin, AntiSeptiscope, Aralez, Ardian, Adelyx, Arra Hitech, Astellas, AstraZeneca, Astute Medical, Atherotech, Axio, BG Medicine, Avenue Therapeutics, Aventyn, Back Bay Lifescience Advisors, Bayer, Biocritique, Bioexpertise, Biomarin, Bionest Partners, Bioporto, Biosite, Biostar, BioZ, Boehringer Ingelheim, Braintree Laboratories, Broeker, Bristol Myer Squibb, Cardiokine, Cardiorientis, Chapman and Priest, Charles River Associates, Chelsea Therapeutics, Chiesi USA, ClearView Healthcare Partners, Clinipace, Complexa, Connected Research and Consulting, CorMedix, Cornerstone Therapeutics, Corvidia, Covance, Critical Diagnostics, Cromsource, Crossover Technologies, Chrysalis BioTherapeutics, Cytopheryx, Cytel, DaVita, Daws, DeMatteo Monness, Diadexus, Daiichi Sankyo, Decision Resources, ECG Healthcare, Edwards Life Sciences, Elsevier, Espirion, F. Hoffmann-La Roche Ltd, Fast Biomedical, Fish and Richardson, LLC, Fisher Scientific, FlowMedica Inc, Frictionless Digital, Fresenius Medical Care, General Electric, Genzyme, Gerson Lehrman, Gilead, GVI Clinical Development Solutions, Health Law Partners, Healthspan DX, HealthSTAR Communications, Hershey, Hikari, Hogan Lovells, Hudson Global, ICON, Huff, Powell, and Bailey, LLC, IMC Press, Imidex, Impact Education, Instrumentation Laboratories, Intercept Pharmaceuticals, Intrinsic Life Sciences, Ischemix Technologies, Janssen, Janssen, Johnson and Johnson, Jordan, KAI Research, Keryx, Ketchum, Inc, Knowledge Point 360, Kowa, Eli Lilly, LabCorp, Lewis Brisbois, Liberty Dialysis, Ligand, Lipocine, Litchfield Cavo, Luitpold Pharmaceuticals, Lundbeck, Maxaccess Managed Markets, MannKind, MEDACorp, MedEd Group, Medevera, Medical Exchange International, Medical Package, Medicines Company, Medicure Pharma, Inc., MedReviews, Medscape, Medtronic, Merck, Meridian 361 International Law Group, Meso Scale Diagnostics, Miller Tanner Associates, Mitsubishi, Nanomix, Nanosphere, Nabi Biopharmaceuticals, Navigant, NephroGenix, Neumedicines, Noorik GmbH, Norman, Hanson, and Detroy, LLC, Novartis, NovoNordisk, NxStage, Ortho Clinical Diagnostics, Osprey, Otsuka, Overcome, P-value Communications, Parexel, Pharmapprove, Pfizer, Phoenix Holdings, Physicians World, PLC Medical, Praetego, PriMed, Progenabiome, Quidel Corporation, Qualidigm, Quintiles, Reata, Reliant Pharmaceuticals, Renew Research, Relypsa, Repros Therapeutics, Roche Diagnostics, Rock Creek, Saferox, Saghmos Therapeutics, Salix, Sanfit, Sankyo, Sanofi, Sarepta Therapeutics, Scarritt Group, Sentinel Investment, Sloan Law Firm, Sphingotec, Spectracell, St. Jude Medical, Strataca Systems, Statprobe, Sunshine Heart, Synageva, Takeda, Tasly, TheHill, Thrasos, TrialSiteNews, Trinity, Triptych Health Partners, US Medical Management, Vasomedical, Verrow, Vindico, Visiting Physicians Association, Vitalmetrix, Vivus, Watermark, WebMD, ZS Pharma, Inc.

**Peter A. McCullough, M.D., M.P.H.**