



Kenneth Mahaffey

Professor of Medicine (Cardiovascular Medicine)
Medicine - Cardiovascular Medicine

CLINICAL OFFICE (PRIMARY)

- **Portola Valley Cardiology Clinic**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

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Bio

BIO

Clinical Focus: Cardiovascular Medicine: Atrial Fibrillation; Chronic CAD; ACS;

Research Focus:

My primary research interest is the design and conduct of multicenter clinical trials and analyses of important clinical cardiac issues using large patient databases. My research focuses on novel anticoagulation agents for the treatment of acute coronary syndromes and atrial fibrillation, the study of agents targeted to protect the myocardium during reperfusion therapy for acute myocardial infarction, and the evaluation of cardiovascular safety of diabetic therapies. I am also interested in the methodology of clinical trials. Current research activities include standardization of the definition of myocardial infarction used in clinical trials, the adjudication of suspected clinical endpoint events by Clinical Event Committees (CEC), and the efficient operational conduct of large multinational clinical trials.

Administrative Focus: Associate Dean, Clinical Research School of Medicine; Vice Chair of Clinical Research Department of Medicine; Director Stanford Center for Clinical Research; Member of the Stanford IRB

Professional Training:

1985 Stanford University, BS Chemistry

1989 University of Washington, MD

1993 University of Arizona, Internship/Residency/Chief Residency

1996 Duke University, Fellowship in Cardiology

1996 Duke University, Faculty in Cardiology

2013 Stanford University, Faculty Cardiovascular Medicine

CLINICAL FOCUS

- Cardiovascular Disease

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Medicine - Cardiovascular Medicine
- Member, Cardiovascular Institute
- Member, SPARK at Stanford

ADMINISTRATIVE APPOINTMENTS

- Vice Chair of Clinical Research, Department of Medicine, (2013- present)
- Member, Stanford Diabetes Research Center, (2017- present)
- Steering Committee Member, Department of Medicine Team Science Initiative, Department of Medicine, (2022- present)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Editorial Board Member, Current Cardiology Reviews (2004 - present)
- Associate Editor, American Heart Journal (2005 - present)
- Editorial Board Member, Current Cardiology Reports (2012 - present)
- Editorial Board Member, Cardiology & Therapy Journal (2012 - present)

PROFESSIONAL EDUCATION

- Board Certification: Cardiovascular Disease, American Board of Internal Medicine (2006)
- Fellowship: Duke University (1996) NC
- Residency: University of Arizona Internal Medicine Residency (1993) AZ
- Medical Education: University of Washington Medical Center (1989) WA

Research & Scholarship

CLINICAL TRIALS

- Engaging Self-regulation Targets to Improve Mood and Weight and Understand Mechanism in Depressed and Obese Adults, Not Recruiting
- Project Baseline Health Study, Not Recruiting

PROJECTS

- Dr. Mahaffey's Disclosures

Publications

PUBLICATIONS

- **Effects of canagliflozin on serum potassium in people with diabetes and chronic kidney disease: the CREDENCE trial.** *European heart journal*
Neuen, B. L., Oshima, M., Perkovic, V., Agarwal, R., Arnott, C., Bakris, G., Cannon, C. P., Charytan, D. M., Edwards, R., Gorriz, J. L., Jardine, M. J., Levin, A., Neal, et al
2021
- **Effects of the SGLT2 inhibitor canagliflozin on plasma biomarkers TNFR-1, TNFR-2 and KIM-1 in the CANVAS trial.** *Diabetologia*
Sen, T., Li, J., Neuen, B. L., Neal, B., Arnott, C., Parikh, C. R., Coca, S. G., Perkovic, V., Mahaffey, K. W., Yavin, Y., Rosenthal, N., Hansen, M. K., Heerspink, et al
2021

- **Reasons for hospitalizations in patients with type 2 diabetes mellitus in the CANVAS Program: a secondary analysis.** *Diabetes, obesity & metabolism*
Feng, K. Y., Li, J., Ianus, J., de Zeeuw, D., Fulcher, G. R., Pfeifer, M., Matthews, D. R., Jardine, M. J., Perkovic, V., Neal, B., Mahaffey, K. W.
2021
- **Cost-Consequence Analysis of Using Cangrelor in High Angiographic Risk Percutaneous Coronary Intervention Patients: A US Hospital Perspective.** *American journal of cardiovascular drugs : drugs, devices, and other interventions*
Jensen, I. S., Wu, E., Cyr, P. L., Claussen, M., Winkler, T., Salahuddin, K., Prats, J., Mahaffey, K. W., Gibson, C. M., Steg, P. G., Stone, G. W., Bhatt, D. L.
2021
- **Ankle-Brachial Index for Risk Stratification in Patients With Symptomatic Peripheral Artery Disease With and Without Prior Lower Extremity Revascularization: Observations From the EUCLID Trial.** *Circulation. Cardiovascular interventions*
Hiatt, W. R., Hess, C. N., Bonaca, M. P., Kavanagh, S., Patel, M. R., Baumgartner, I., Berger, J. S., Blomster, J. I., Jones, W. S., Katona, B. G., Mahaffey, K. W., Norgren, L., Rockhold, et al
2021: CIRCINTERVENTIONS120009871
- **Assessment of North American Clinical Research Site Performance During the Start-up of Large Cardiovascular Clinical Trials.** *JAMA network open*
Goyal, A., Schibler, T., Alhanti, B., Hannan, K. L., Granger, C. B., Blazing, M. A., Lopes, R. D., Alexander, J. H., Peterson, E. D., Rao, S. V., Green, J. B., Roe, M. T., Rorick, et al
2021; 4 (7): e2117963
- **Canagliflozin, serum magnesium and cardiovascular outcomes-Analysis from the CANVAS Program.** *Endocrinology, diabetes & metabolism*
Wang, K. M., Li, J., Bhalla, V., Jardine, M. J., Neal, B., de Zeeuw, D., Fulcher, G., Perkovic, V., Mahaffey, K. W., Chang, T. I.
2021; 4 (3): e00247
- **Impact of chronic kidney disease on hemoglobin among patients with peripheral artery disease treated with P2Y12 inhibitors: Insights from the EUCLID trial.** *Vascular medicine (London, England)*
Hsia, J., Kavanagh, S. T., Hopley, C. W., Baumgartner, I., Berger, J. S., Fowkes, G. R., Jones, W. S., Mahaffey, K. W., Norgren, L., Patel, M. R., Rockhold, F., Blomster, J., Katona, et al
2021: 1358863X211017641
- **Pharmacotherapy for diabetes and stroke risk: Results from ROCKET AF.** *Heart rhythm O2*
Ugowe, F. E., Hellkamp, A. S., Wang, A., Becker, R. C., Berkowitz, S. D., Breithardt, G., Fox, K. A., Halperin, J. L., Hankey, G. J., Mahaffey, K. W., Nessel, C. C., Singer, D. E., Patel, et al
2021; 2 (3): 215-222
- **Association of Heart Failure With Outcomes Among Patients With Peripheral Artery Disease: Insights From EUCLID.** *Journal of the American Heart Association*
Samsky, M. D., Hellkamp, A., Hiatt, W. R., Fowkes, F. G., Baumgartner, I., Berger, J. S., Katona, B. G., Mahaffey, K. W., Norgren, L., Blomster, J. I., Rockhold, F. W., DeVore, A. D., Patel, et al
2021: e018684
- **Effect of SGLT2 Inhibitors on Stroke and Atrial Fibrillation in Diabetic Kidney Disease: Results From the CREDENCE Trial and Meta-Analysis.** *Stroke*
Zhou, Z., Jardine, M. J., Li, Q., Neuen, B. L., Cannon, C. P., de Zeeuw, D., Edwards, R., Levin, A., Mahaffey, K. W., Perkovic, V., Neal, B., Lindley, R. I., CREDENCE Trial Investigators, et al
2021: STROKEAHA120031623
- **Effects of canagliflozin on myocardial infarction: a post hoc analysis of the CANVAS Program and CREDENCE trial.** *Cardiovascular research*
Yu, J., Li, J., Leaver, P. J., Arnott, C., Huffman, M. D., Udell, J. A., Perkovic, V., Mahaffey, K. W., de Zeeuw, D., Fulcher, G., Matthews, D. R., Shaw, W., Rosenthal, et al
2021
- **Dosing of Direct Oral Anticoagulants in Patients with Moderate Chronic Kidney Disease in US Clinical Practice: Results from the Outcomes Registry for Better Informed Treatment of AF (ORBIT-AF II).** *American journal of cardiovascular drugs : drugs, devices, and other interventions*
Jackson, L. R., Schrader, P., Thomas, L., Steinberg, B. A., Blanco, R., Allen, L. A., Fonarow, G. C., Freeman, J. V., Gersh, B. J., Kowey, P. R., Mahaffey, K. W., Naccarelli, G., Reiffel, et al
2021

- **The Effects of Canagliflozin on Heart Failure and Cardiovascular Death by Baseline Participant Characteristics: Analysis of the CREDENCE Trial.** *Diabetes, obesity & metabolism*
Arnott, C., Li, J., Cannon, C. P., de Zeeuw, D., Neuen, B. L., Heerspink, H. J., Charytan, D. M., Agarwal, A., Huffman, M. D., Figtree, G. A., Bakris, G., Chang, T. I., Feng, et al
2021
- **Canagliflozin Reduces All-cause Hospitalization in Patients with Type 2 Diabetes Mellitus**
Feng, K. Y., Gogate, J., Damaraju, C. V., Li, J., Jardine, M. J., Perkovic, V., Blais, J. D., Pfeifer, M., Neal, B., Mahaffey, K. W.
W B SAUNDERS CO-ELSEVIER INC.2021: 17–18
- **Kidney, Cardiovascular, and Safety Outcomes of Canagliflozin according to Baseline Albuminuria: A CREDENCE Secondary Analysis.** *Clinical journal of the American Society of Nephrology : CJASN*
Jardine, M., Zhou, Z., Lambers Heerspink, H. J., Hockham, C., Li, Q., Agarwal, R., Bakris, G. L., Cannon, C. P., Charytan, D. M., Greene, T., Levin, A., Li, J., Neuen, et al
2021
- **Cardiovascular and renal outcomes with canagliflozin according to baseline diuretic use: a post hoc analysis from the CANVAS Program.** *ESC heart failure*
Yu, J., Arnott, C., Neuen, B. L., Heerspink, H. L., Mahaffey, K. W., Cannon, C. P., Khan, S. S., Baldrige, A. S., Shah, S. J., Huang, Y., Li, C., Figtree, G. A., Perkovic, et al
2021
- **The ARREST Pneumonia (Arrest Respiratory Failure due to Pneumonia) Trial: Rationale and Design.** *Annals of the American Thoracic Society*
Levitt, J. E., Festic, E., Desai, M., Hedlin, H., Mahaffey, K. W., Rogers, A. J., Gajic, O., Matthay, M. A., ARREST Pneumonia Clinical Trial Investigators
2021
- **Efficacy of a Centralized, Blended Electronic and Human Intervention to Improve Direct Oral Anticoagulant Adherence: Smartphones to improve rivaroxaban ADHEREnce in Atrial Fibrillation (SmartADHERE) A Randomized Clinical Trial: SmartADHERE rivaroxaban adherence trial.** *American heart journal*
Turakhia, M. n., Sundaram, V. n., Smith, S. N., Ding, V. n., Michael Ho, P. n., Kowey, P. R., Piccini, J. P., Foody, J. n., Birmingham, M. n., Ianus, J. n., Rajmane, A. n., Mahaffey, K. W.
2021
- **Return of individual research results: What do participants prefer and expect?** *PloS one*
Sayeed, S., Califf, R., Green, R., Wong, C., Mahaffey, K., Gambhir, S. S., Mega, J., Patrick-Lake, B., Frazier, K., Pignone, M., Hernandez, A., Shah, S. H., Fan, et al
2021; 16 (7): e0254153
- **Association of Chronic Obstructive Pulmonary Disease with Morbidity and Mortality in Patients with Peripheral Artery Disease: Insights from the EUCLID Trial.** *International journal of chronic obstructive pulmonary disease*
Galani, J., Mulder, H., Rockhold, F. W., Weissler, E. H., Baumgartner, I., Berger, J. S., Blomster, J. I., Fowkes, F. G., Hiatt, W. R., Katona, B. G., Norgren, L., Mahaffey, K. W., Quint, et al
2021; 16: 841–51
- **Blood Pressure Effects of Canagliflozin and Clinical Outcomes in Type 2 Diabetes and Chronic Kidney Disease: Insights from the CREDENCE Trial.** *Circulation*
Ye, N. n., Jardine, M. J., Oshima, M. n., Hockham, C. n., Heerspink, H. J., Agarwal, R. n., Bakris, G. n., Schutte, A. E., Arnott, C. n., Chang, T. I., Górriz, J. L., Cannon, C. P., Charytan, et al
2021
- **Rivaroxaban versus Warfarin in Patients with Atrial Fibrillation Enrolled in Latin America: Insights from ROCKET AF.** *American heart journal*
Blumer, V. n., Rivera, M. n., Corbalán, R. n., Becker, R. C., Berkowitz, S. D., Breithardt, G. n., Hacke, W. n., Halperin, J. L., Hankey, G. J., Mahaffey, K. W., Nessel, C. C., Piccini, J. P., Hellkamp, et al
2021
- **Effects of Canagliflozin on Cardiovascular, Renal, and Safety Outcomes in Participants With Type 2 Diabetes and Chronic Kidney Disease According to History of Heart Failure: Results From the CREDENCE Trial.** *American heart journal*
Sarraju, A., Li, J., Cannon, C. P., Chang, T. I., Agarwal, R., Bakris, G., Charytan, D. M., de Zeeuw, D., Greene, T., Heerspink, H. J., Levin, A., Neal, B., Pollock, et al
2020

- **Insights from CREDENCE trial indicate an acute drop in estimated glomerular filtration rate during treatment with canagliflozin with implications for clinical practice.** *Kidney international*
Oshima, M., Jardine, M. J., Agarwal, R., Bakris, G., Cannon, C. P., Charytan, D. M., de Zeeuw, D., Edwards, R., Greene, T., Levin, A., Lim, S. K., Mahaffey, K. W., Neal, et al
2020
- **Cause of Death Among Patients With Peripheral Artery Disease: Insights From the EUCLID Trial.** *Circulation. Cardiovascular quality and outcomes*
Kochar, A., Mulder, H., Rockhold, F. W., Baumgartner, I., Berger, J. S., Blomster, J. I., Fowkes, F. G., Katona, B. G., Lopes, R. D., Al-Khalidi, H. R., Mahaffey, K. W., Norgren, L., Hiatt, et al
2020: CIRCOUTCOMES120006550
- **Insulin-Like Growth Factor Binding Protein 7 Predicts Renal and Cardiovascular Outcomes in the Canagliflozin Cardiovascular Assessment Study.** *Diabetes care*
Januzzi, J. L., Butler, J., Sattar, N., Xu, J., Shaw, W., Rosenthal, N., Pfeifer, M., Mahaffey, K. W., Neal, B., Hansen, M. K.
2020
- **Effects of canagliflozin on anaemia in patients with type 2 diabetes and chronic kidney disease: a post-hoc analysis from the CREDENCE trial.** *The lancet. Diabetes & endocrinology*
Oshima, M., Neuen, B. L., Jardine, M. J., Bakris, G., Edwards, R., Levin, A., Mahaffey, K. W., Neal, B., Pollock, C., Rosenthal, N., Wada, T., Wheeler, D. C., Perkovic, et al
2020; 8 (11): 903–14
- **Effects of canagliflozin on anaemia in patients with type 2 diabetes and chronic kidney disease: a post-hoc analysis from the CREDENCE trial** *LANCET DIABETES & ENDOCRINOLOGY*
Oshima, M., Neuen, B. L., Jardine, M. J., Bakris, G., Edwards, R., Levin, A., Mahaffey, K. W., Neal, B., Pollock, C., Rosenthal, N., Wada, T., Wheeler, D. C., Perkovic, et al
2020; 8 (11): 903–14
- **International consensus definitions of clinical trial outcomes for kidney failure: 2020.** *Kidney international*
Levin, A., Agarwal, R., Herrington, W. G., Heerspink, H. L., Mann, J. F., Shahinfar, S., Tuttle, K. R., Donner, J., Jha, V., Nangaku, M., de Zeeuw, D., Jardine, M. J., Mahaffey, et al
2020; 98 (4): 849–59
- **Appropriateness of Direct Oral Anticoagulant Dosing in Patients With Atrial Fibrillation: Insights From the Veterans Health Administration** *JOURNAL OF PHARMACY PRACTICE*
Leef, G. C., Perino, A. C., Askari, M., Fan, J., Ho, P., Olivier, C. B., Longo, L., Mahaffey, K. W., Turakhia, M. P.
2020; 33 (5): 647–53
- **Early Change in Albuminuria with Canagliflozin Predicts Kidney and Cardiovascular Outcomes: A PostHoc Analysis from the CREDENCE Trial.** *Journal of the American Society of Nephrology : JASN*
Oshima, M., Neuen, B. L., Li, J., Perkovic, V., Charytan, D. M., de Zeeuw, D., Edwards, R., Greene, T., Levin, A., Mahaffey, K. W., De Nicola, L., Pollock, C., Rosenthal, et al
2020
- **An exploration of the heterogeneity in effects of SGLT2 inhibition on cardiovascular and all-cause mortality in the EMPA-REG OUTCOME, CANVAS Program, DECLARE-TIMI 58, and CREDENCE trials.** *International journal of cardiology*
Yu, J., Zhou, Z., Mahaffey, K. W., Matthews, D. R., Neuen, B. L., Heerspink, H. J., Jardine, M., Li, J., Perkovic, V., Neal, B., Arnett, C.
2020
- **Association of Health Status Scores With Cardiovascular and Limb Outcomes in Patients With Symptomatic Peripheral Artery Disease: Insights From the EUCLID (Examining Use of Ticagrelor in Symptomatic Peripheral Artery Disease) Trial.** *Journal of the American Heart Association*
Rymer, J. A., Mulder, H., Smolderen, K. G., Hiatt, W. R., Conte, M. S., Berger, J. S., Norgren, L., Mahaffey, K. W., Baumgartner, I., Fowkes, F. G., Katona, B. G., Rockhold, F., Jones, et al
2020: e016573
- **2020 ACC Expert Consensus Decision Pathway on Management of Bleeding in Patients on Oral Anticoagulants A Report of the American College of Cardiology Solution Set Oversight Committee** *JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY*
Tomaselli, G. F., Mahaffey, K. W., Cuker, A., Dobesh, P. P., Doherty, J. U., Eikelboom, J. W., Florido, R., Gluckman, T. J., Hucker, W. J., Mehran, R., Messe, S. R., Perino, A. C., Rodriguez, et al
2020; 76 (5): 594–622

- **Different eGFR Decline Thresholds and Renal Effects of Canagliflozin: Data from the CANVAS Program.** *Journal of the American Society of Nephrology : JASN*
Oshima, M., Neal, B., Toyama, T., Ohkuma, T., Li, Q., de Zeeuw, D., Heerspink, H. J., Mahaffey, K. W., Fulcher, G., Canovatchel, W., Matthews, D. R., Perkovic, V.
2020
- **Effects of canagliflozin on initiation of insulin and other antihyperglycaemic agents in the CANVAS Program.** *Diabetes, obesity & metabolism*
Matthews, D. R., Wysham, C., Davies, M., Slee, A., Alba, M., Lee, M., Perkovic, V., Mahaffey, K. W., Neal, B.
2020
- **A Call for a New Paradigm for Diabetes Care in the Era of Sodium-Glucose Cotransporter2 Inhibitors (SGLT2i).** *Cardiology and therapy*
Kim, S. H., Chang, T. I., Mahaffey, K. W.
2020
- **Effect of Temporary Interruption of Warfarin Due to an Intervention on Downstream Time in Therapeutic Range in Patients With Atrial Fibrillation (from ORBIT AF).** *The American journal of cardiology*
Madhavan, M., Holmes, D. N., Piccini, J. P., Freeman, J. V., Fonarow, G. C., Hylek, E. M., Kowey, P. R., Mahaffey, K. W., Pieper, K., Peterson, E. D., Chan, P. S., Allen, L. A., Singer, et al
2020
- **Patterns of oral anticoagulation use with cardioversion in clinical practice.** *Heart (British Cardiac Society)*
Geurink, K., Holmes, D., Ezekowitz, M. D., Pieper, K., Fonarow, G., Kowey, P. R., Reiffel, J. A., Singer, D. E., Freeman, J., Gersh, B. J., Mahaffey, K. W., Hylek, E. M., Naccarelli, et al
2020
- **The effects of combination canagliflozin and glucagon-like peptide-1 receptor agonist therapy on intermediate markers of cardiovascular risk in the CANVAS program.** *International journal of cardiology*
Arnott, C., Neuen, B. L., Heerspink, H. J., Figtree, G. A., Kosiborod, M., Lam, C. S., Cannon, C. P., Rosenthal, N., Shaw, W., Mahaffey, K. W., Jardine, M. J., Perkovic, V., Neal, et al
2020
- **The Project Baseline Health Study: a step towards a broader mission to map human health** *NPJ DIGITAL MEDICINE*
Arges, K., Assimes, T., Bajaj, V., Balu, S., Bashir, M. R., Beskow, L., Blanco, R., Califf, R., Campbell, P., Carin, L., Christian, V., Cousins, S., Das, et al
2020; 3 (1): 84
- **The Project Baseline Health Study: a step towards a broader mission to map human health.** *NPJ digital medicine*
Arges, K., Assimes, T., Bajaj, V., Balu, S., Bashir, M. R., Beskow, L., Blanco, R., Califf, R., Campbell, P., Carin, L., Christian, V., Cousins, S., Das, et al
2020; 3 (1): 84
- **CANAGLIFLOZIN AND RISK OF GENITAL INFECTIONS AND URINARY TRACT INFECTIONS IN PEOPLE WITH DIABETES MELLITUS AND KIDNEY DISEASE- A POST-HOC ANALYSIS OF THE CREDENCE TRIAL**
Kang, A., Neuen, B., Heerspink, H., Di Tanna, G., Neal, B., Zhang, H., Hockham, C., Agarwal, R., Bakris, G., Charytan, D. M., De Zeeuw, D., Greene, T., Levin, et al
OXFORD UNIV PRESS.2020: 1336
- **EFFECTS OF CANAGLIFLOZIN ON MAJOR ADVERSE CARDIOVASCULAR OUTCOMES IN PATIENTS WITH DIFFERENT BASELINE LEVELS OF TYPE 2 DIABETES MELLITUS DISEASE SEVERITY: RESULTS FROM THE CANVAS PROGRAM**
Young, T., Li, J., Kang, A., Heerspink, H., Hockham, C., Arnott, C., Neuen, B., Zoungas, S., Mahaffey, K. W., Perkovic, V., De Zeeuw, D., Fulcher, G., Neal, et al
OXFORD UNIV PRESS.2020: 1351
- **CANAGLIFLOZIN AND RISK OF SKIN AND SOFT TISSUE INFECTIONS IN PEOPLE WITH DIABETES MELLITUS AND KIDNEY DISEASE - A POST-HOC ANALYSIS OF THE CREDENCE TRIAL**
Kang, A., Smyth, B., Neuen, B., Heerspink, H., Di Tanna, G., Neal, B., Zhang, H., Hockham, C., Agarwal, R., Bakris, G., Charytan, D. M., De Zeeuw, D., Greene, et al
OXFORD UNIV PRESS.2020: 1342
- **The effect of canagliflozin on amputation risk in the CANVAS Program and the CREDENCE trial.** *Diabetes, obesity & metabolism*
Arnott, C., Huang, Y., Neuen, B., Di Tanna, G. L., Cannon, C. P., Oh, R., Edwards, R., Kavalam, M., Rosenthal, N., Perkovic, V., Jardine, M., Mahaffey, K., Neal, et al

2020

- **Shared Decision Making in Atrial Fibrillation: Patient-Reported Involvement in Treatment Decisions.** *European heart journal. Quality of care & clinical outcomes*
Ali-Ahmed, F., Pieper, K., North, R., Allen, L. A., Chan, P. S., Ezekowitz, M. D., Fonarow, G. C., Freeman, J. V., Go, A. S., Gersh, B. J., Kowey, P. R., Mahaffey, K. W., Naccarelli, et al
2020
- **Outpatient Inhaled Nitric Oxide in a Patient with Vasoreactive IPAH and COVID-19 Infection.** *American journal of respiratory and critical care medicine*
Zamanian, R. T., Pollack, C. V., Gentile, M. A., Rashid, M., Fox, J. C., Mahaffey, K. W., de Jesus Perez, V.
2020
- **Renal, Cardiovascular, and Safety Outcomes of Canagliflozin by Baseline Kidney Function: A Secondary Analysis of the CREDENCE Randomized Trial.** *Journal of the American Society of Nephrology : JASN*
Jardine, M. J., Zhou, Z., Mahaffey, K. W., Oshima, M., Agarwal, R., Bakris, G., Bajaj, H. S., Bull, S., Cannon, C. P., Charytan, D. M., de Zeeuw, D., Di Tanna, G. L., Greene, et al
2020; 31 (5): 1128–39
- **Outcomes of Cardiac Catheterization in Patients With Atrial Fibrillation on Anticoagulation in Contemporary in Practice: An Analysis of the ORBIT II Registry.** *Circulation. Cardiovascular interventions*
Sherwood, M. W., Piccini, J. P., Holmes, D. N., Pieper, K. S., Steinberg, B. A., Fonarow, G. C., Allen, L. A., Naccarelli, G. V., Kowey, P. R., Gersh, B. J., Mahaffey, K. W., Singer, D. E., Ansell, et al
2020; 13 (5): e008274
- **Preventing Atrial Fibrillation With Treatments for Diabetes Mellitus.** *Circulation*
Granger, C. B., Mahaffey, K. W.
2020; 141 (15): 1235–37
- **Methods for safety and endpoint ascertainment: identification of adverse events through scrutiny of negatively adjudicated events.** *Trials*
Fanaroff, A. C., Haque, G., Thomas, B., Stone, A. E., Perkins, L. M., Wilson, M., Jones, W. S., Melloni, C., Mahaffey, K. W., Alexander, K. P., Lopes, R. D.
2020; 21 (1): 323
- **CANAGLIFLOZIN (CANA) REDUCES CARDIOVASCULAR (CV) AND RENAL EVENTS INDEPENDENT OF BASELINE HEART FAILURE (HF): A CREDENCE SECONDARY ANALYSIS**
Sarraj, A., Li, J., Cannon, C. P., Chang, T. I., Agarwal, R., Bakris, G. L., Charytan, D. M., de Zeeuw, D., Greene, T., Heerspink, H. L., Levin, A., Neal, B., Pollock, et al
ELSEVIER SCIENCE INC.2020: 1018
- **Cangrelor in clinical use.** *Future cardiology*
Feng, K. Y., Mahaffey, K. W.
2020
- **Risk of major cardiovascular and neurologic events with obstructive sleep apnea among patients with atrial fibrillation.** *American heart journal*
Dalgaard, F., North, R., Pieper, K., Fonarow, G. C., Kowey, P. R., Gersh, B. J., Mahaffey, K. W., Pokorney, S., Steinberg, B. A., Naccarelli, G., Allen, L. A., Reiffel, J. A., Ezekowitz, et al
2020; 223: 65–71
- **Decline in renal function and oral anticoagulation dose reduction among patients with atrial fibrillation.** *Heart (British Cardiac Society)*
Inohara, T., Holmes, D. N., Pieper, K., Blanco, R. G., Allen, L. A., Fonarow, G. C., Gersh, B. J., Hylek, E. M., Ezekowitz, M. D., Kowey, P. R., Reiffel, J. A., Naccarelli, G. V., Chan, et al
2020
- **Mediators of the effects of canagliflozin on kidney protection in patients with type 2 diabetes.** *Kidney international*
Li, J. n., Neal, B. n., Perkovic, V. n., de Zeeuw, D. n., Neuen, B. L., Arnott, C. n., Simpson, R. n., Oh, R. n., Mahaffey, K. W., Heerspink, H. J.
2020
- **Dedicated kidney disease-focused outcome trials with sodium-glucose cotransporter-2 inhibitors: Lessons from CREDENCE and expectations from DAPA-HF, DAPA-CKD, and EMPA-KIDNEY.** *Diabetes, obesity & metabolism*
Rhee, J. J., Jardine, M. J., Chertow, G. M., Mahaffey, K. W.

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