

# KidneyCurrent

*The Quarterly KidneyCure e-Newsletter*

November 2020



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## KidneyCure at Kidney Week

In October, ASN held its first fully-digital annual meeting: [Kidney Week 2020 Reimagined](#). KidneyCure grant recipients, past and present, were very active chairing early programs, moderating sessions, giving talks, and presenting posters. Find a list of these activities [here](#). (Note: Kidney Week registration is required to access conference materials, which will be available through December 4, 2020).



## Grant Recipients at Work

KidneyCure grant recipients, working across the research spectrum, advance our understanding and treatment of kidney diseases even beyond their initial grant period. Find highlights of recent works and publications as submitted by current and former KidneyCure grant recipients [here](#).

## Mark your Calendar: December 1 is GivingTuesday!

Join us on December 1, for [GivingTuesday](#), a global celebration of giving. Throughout that week we'll be spotlighting KidneyCure's work and grant recipients across ASN's social media channels ([Facebook](#), [Twitter](#), and [Instagram](#)). Help us spread the word and share why you support innovative kidney research.



If you have any questions, please contact us at [kidneycure@asn-online.org](mailto:kidneycure@asn-online.org) or 202-640-4660.

**Make a Donation**

## KidneyCure at ASN Kidney Week Reimagined

Highlights of current and former KidneyCure grant recipients' activities at ASN Kidney Week Reimagined. Kidney Week registration is required to access materials, which will be available through December 4, 2020. Grant recipient award year is indicated in parentheses.

David J. Askenazi, MD, MS, FASN (2011)

- Session Speaker: *What Can We Do to Save the Babies (and Their Kidneys)?* as part of [What About the Babies? Updates on the Care of Newborns at Risk for Acute and Chronic Kidney Disease](#)
- Poster Author: [Gestational Age \(GA\) Affects Urine Biomarkers by Postnatal Age but Most Converge by 34 Weeks Post-Menstrual Age \(PMA\)](#)

Massimo Attanasio, MD (2010)

- Session Speaker: *Cellular Senescence in AKI* as part of [What About the Babies? Updates on the Care of Newborns at Risk for Acute and Chronic Kidney Disease](#)
- Oral Abstract Author: *Loss of Diacylglycerol Kinase  $\epsilon$  Causes Thrombotic Microangiopathy by Impairing Endothelial Vascular Endothelial Growth Factor A Signaling* as part of [Kidneyomics: From Cysts to Populations](#) session

Subhashini Bolisetty, PhD (2019)

- Moderator: [Mediators and Protectors in AKI](#)

Wei Chen, MD, MS, FASN (2017)

- Moderator: [Novel Approaches to Mineral and Bone Metabolism](#)
- Poster Author:
  - [Identification of Novel Biomarkers and Pathways for Coronary Arterial Calcification in Patients on Hemodialysis using Metabolomic Profiling](#)
  - [Electrolyte Abnormalities in Hospitalized Patients with COVID-19](#)
  - [Emergency Peritoneal Dialysis in Patients with COVID-19 and AKI: A Single-Center Experience in a Time of Crisis in the United States](#)

Irene Chernova, MD, PhD (2020)

- Poster Author: [Enhanced Na-K-ATPase Expression Mediates B-Cell Survival in Lupus Kidneys](#)

Mary E. Choi, MD (2005, 2010)

- Poster Author:
  - [Conditional Deletion of Myeloid-Specific Mitofusin 2 Promotes Kidney Fibrosis](#)
  - [COVID-19 in Patients with CKD in New York City](#)

Tushar Chopra, MD, FASN (2019)

- Poster Author:
  - [Chronic Dialysis Access Management in Covid-19 Era: The Need for Raising Awareness](#)
  - [Hepatitis B-Associated Lupus-like Nephritis](#)

Nwamaka D. Eneanya, MD, MPH, FASN (2013)

- Session Speaker: *Potential Hazards of Using Race in GFR Estimation* as part of the [Race and Ethnicity Considerations in CKD](#) session

Mohammad Kazem Fallahzadeh Abarghouei, MD (2020)

- Poster Author: [Racial Disparities in Receipt of Medications for Secondary Prevention of Cardiovascular Disease in Kidney Transplant Recipients in the FAVORIT Trial](#)

Alexander H. Flannery, PharmD (2020)

- Poster Author: [Biomarkers and Major Adverse Kidney Events in Critically Ill Patients](#)

Mark R. Hanudel, MD, MS, FASN (2020)

- Oral Abstract Presenter: *Renoprotective Effects of Ferric Citrate in a Mouse Model of CKD* as part of the [Breakthroughs in Anemia and Iron Management](#) session
- Poster Author: [Amelioration of CKD-Associated Anemia by Vadadustat in Mice Is Not Dependent on Erythroferrone](#)

Sarah C. Huen, MD, PhD (2016)

- Session Speaker: *Metabolism and the Kidney in AKI* as part of the [Mediators and Protectors in AKI](#) session

Anil Karihaloo, PhD (2007)

- Poster Author: [nPOD-Kidney, a New Tool for Investigating Diabetic Kidney Disease](#)

Seolhyun Lee, MD (2020)

- Poster Author: [Accumulation in Hemodialysis Patients of Solutes Secreted by the Native Kidneys](#)

Naoka Murakami, MD, PhD, FASN (2019)

- Oral Abstract Presenter: *Immune Checkpoint Inhibitor Use in Kidney Transplant Recipients: A Multicenter Study* as part of the [Onco-Nephrology Updates in Practice](#) session

Sagar Nigwekar, MD (2019)

- Poster Author: [Hospital Admission Rates Among Hemodialysis Patients with Persistent Hyperphosphatemia Who Were Prescribed Changes in Phosphate Binder Treatment: A Retrospective Analysis of Real-World Data](#)

Kabir O. Olaniran, MD, MPH (2018)

- Oral Abstract Presenter: *AKI among African Americans with Sickle Cell Trait and Disease* as part of the [AKI Predictors and Outcomes: Research Abstracts](#) session

Farzana Perwad, MD (2012)

- Session Speaker: [From Kids to Adults: CKD-MBD Across the Life Course](#)
- Poster Author: [Nephrocalcinosis at Baseline Did Not Increase the Risk of Nephrocalcinosis Progression After Long-Term Burosumab Treatment in Adults and Children with X-Linked Hypophosphatemia \(XLH\)](#)

Sian Piret, PhD (2020)

- Session Speaker: [Elucidating the Pathophysiology of AKI](#) as part of [The Epidemiology and Pathophysiology of Kidney Diseases in Aged Society](#) session

Yuvaram N.V. Reddy, MBBS (2020)

- Poster Author: [Forecasting Continuous Renal Replacement Therapy Shortages During the COVID-19 Pandemic in the United States](#)

John K. Roberts, MD, MS (2017)

- Moderator: [Physician Burnout: Reclaiming Vitality in the Practice of Nephrology](#)

Aylin Rodan, MD, PhD, FASN (2013)

- Course Chair: [Basic Research Forum for Emerging Kidney Scientists: A Partnership Between APS and ASN](#)
- Moderator: [Basic Research Forum](#)
- Moderator: [Kidneys at the Zoo: What Can We Learn from Comparative Renal Physiology?](#)

Fahad Saeed, MD, MBBS, FASN (2019)

- Moderator: [Addressing the Complexity of Frailty: Geriatrics and Palliative Care in Nephrology](#)

Katherine Scovner, MD (2019)

- Poster Author: [Electrolyte Changes in Contemporary Hemodialysis: An Analysis of the Monitoring in Dialysis \(MiD\) Study](#)

Ken Sutha, MD, PhD (2019)

- Moderator: [Death in Transplantation](#)

Yan Xie (2020)

- Poster Author:
  - [Comparative Effectiveness of SGLT2 Inhibitors, GLP-1 Receptor Agonists, DPP-4 Inhibitors, and Sulfonylureas on Risk of Kidney Outcomes: Emulation of a Target Trial Using Health Care Databases](#)
  - [Comparative Effectiveness of the Sodium–Glucose Cotransporter 2 Inhibitor Empagliflozin Versus Other Antihyperglycemics on Risk of Major Adverse Kidney Events](#)
  - [Profiling AKI Trajectories: Early Results from the Million AKI Project](#)

## Grant Recipients at Work

Highlights of recent publications and news items as submitted by current and former KidneyCure grant recipients. Grant award year is indicated in parentheses.

David J. Askenazi, MD, MS, FASN (2011)

- [Prevalence of Acute Kidney Injury \(AKI\) in Extremely Low Gestational Age Neonates \(ELGAN\)](#)
- [AWAKEN-Ing a New Frontier in Neonatal Nephrology](#)
- [Problem to Product: Building Zorroflow to Help Babies Thrive](#)

Sunjae Bae, MD, PhD (2018)

- [Early Changes in Kidney Transplant Immunosuppression Regimens During the COVID-19 Pandemic](#)
- [Early Steroid Withdrawal in HIV-Infected Kidney Transplant Recipients: Utilization and Outcomes](#)
- [Machine Learning to Predict Transplant Outcomes: Helpful or Hype?](#)

Subhashini Bolisetty, PhD (2019)

- [Iron Homeostasis and Ferritin in Sepsis-Associated Kidney Injury](#)
- [Interleukin-1 Promotes Autoimmune Neuroinflammation by Suppressing Endothelial Heme Oxygenase-1 at the Blood-Brain Barrier](#)

Yongen Chang, MD, PhD (2013)

- [A Case of Novel Coronavirus Disease 19 in a Chronic Hemodialysis Patient Presenting with Gastroenteritis and Developing Severe Pulmonary Disease](#)
- [Hemodynamic and Laboratory Changes during Incremental Transition from Twice to Thrice-Weekly Hemodialysis](#)
- [The Consequences of Altered Microbiota in Immune-Related Chronic Kidney Disease](#)

Wei Chen, MD, MS, FASN (2017)

- [Associations of Serum Calciprotein Particle Size and Transformation Time with Arterial Calcification, Arterial Stiffness and Mortality in Incident Hemodialysis Patients](#)
- [Urgent Peritoneal Dialysis in Patients with COVID-19 and AKI: A Single-Center Experience in a Time of Crisis in the United States](#)

Mary E. Choi, MD (2005, 2010)

- [Mitochondrial Dysfunction in Kidney Injury, Inflammation, and Disease: Potential Therapeutic Approaches](#)
- [Characteristics of Acute Kidney Injury in Hospitalized COVID-19 Patients in an Urban Academic Medical Center](#)
- [Autophagy in Kidney Disease: Advances and Therapeutic Potential](#)

Tushar Chopra, MD, FASN (2019)

- [Home Dialysis: Pathways to Increase Nephrologist Comfort in Managing Home Dialysis Patients During COVID-19](#) (webinar recording)

Paul E. Drawz, MD, MS (2015)

- [Concordance Between Blood Pressure in the Systolic Blood Pressure Intervention Trial and in Routine Clinical Practice](#)

Nwamaka D. Eneanya, MD, MPH, FASN (2013)

- Publications:
  - [Caring for Older Patients with Advanced Chronic Kidney Disease and Considering Their Needs: A Qualitative Study](#)
  - [Use of A Supportive Kidney Care Video Decision Aid in Older Patients: A Randomized Controlled Trial](#)
  - [Examining the Potential Impact of Race Multiplier Utilization in Estimated Glomerular Filtration Rate Calculation on African-American Care Outcomes](#)
- News Items:
  - [Many Medical Decision Tools Disadvantage Black Patients](#) (The New York Times)
  - [Caring for Older Patients with Advanced CKD: Assessing Perceptions on Treatment](#) (Physician's Weekly)
  - [How an Algorithm Blocked Kidney Transplant to Black Patients](#) (Wired)

Mohammad Kazem Fallahzadeh Abarghouei, MD (2020)

- [The Kidney Failure Risk Equation for Prediction of Allograft Loss in Kidney Transplant Recipients](#)
- [Recovery of Kidney Function Among Patients with Glomerular Disease Starting Maintenance Dialysis](#)

Daniel Fantus, MD (2014)

- [A RAND-Modified Delphi on Key Indicators to Measure the Efficiency of Living Kidney Donor Candidate Evaluations](#)
- [Safely Restarting Renal Transplant Programs Should Be A Priority](#)

Alexander H. Flannery, PharmD (2020)

- [Kidney Biomarkers and Major Adverse Kidney Events in Critically Ill Patients](#)
- [Continuous Versus Intermittent Infusion of Vancomycin and the Risk of Acute Kidney Injury in Critically Ill Adults: A Systematic Review and Meta-Analysis](#)

Mark R. Hanudel, MD, MS, FASN (2020)

- [Evaluation and Treatment of Disorders of Phosphate Balance](#)

Sarah C. Huen, MD, PhD (2016)

- [Hepatic FGF21 Mediates Tissue Tolerance During Bacterial Inflammation by Preserving Cardiac Function](#)

Tamara Isakova, MD (2013)

- [Fibroblast Growth Factor 23 and Exercise Capacity in Heart Failure with Preserved Ejection Fraction](#)
- [Systematic Integrated Analysis of Genetic and Epigenetic Variation in Diabetic Kidney Disease](#)

Fatimah Kareem Khalaf, MBChB (2018)

- [Getting to the Heart and Soul of Chronic Kidney Disease](#)

David E. Leaf, MD, FASN (2018)

- Publications:
  - [AKI Treated with Renal Replacement Therapy in Critically Ill Patients with COVID-19](#)
  - [Association Between Early Treatment with Tocilizumab and Mortality Among Critically Ill Patients With COVID-19](#)
- News Items:
  - [Rheumatoid Arthritis Drug Falls Short as Treatment for Hospitalized Covid-19 Patients in Three Studies](#) (CNN)
  - [Rheumatoid Arthritis Drug Tocilizumab Advances as A COVID-19 Treatment, As Other Regimens Fall Back, Studies Show](#) (USA Today)

Michal L. Melamed, MD (2012)

- Publications:
  - [COVID-19 in Patients with Kidney Disease](#)
  - [Low Serum Bicarbonate and CKD Progression in Children](#)
  - [Group-Based Care in Adults and Adolescents with Hypertension and CKD: A Feasibility Study](#)
- News Item: [Umbrella Approach to Protect Kidney Patients, Clinicians in COVID-19](#) (Medscape)

Naoka Murakami, MD, PhD, FASN (2019)

- Publication: [Impact of Corticosteroids on Allograft Protection in Renal Transplant Patients Receiving anti-PD-1 Immunotherapy](#)
- News Item: [Renal Allografts at Risk After ICIs for Subsequent Cancer](#) (Medscape)

Sagar Nigwekar, MD (2019)

- Publications:
  - [Randomized Controlled Trials on Exclusion of Participants with Kidney Disease in COVID-19](#)
  - [Assessment of Outcomes of Calciphylaxis Lesions Treated with Intralesional Sodium Thiosulfate](#)
  - [Calciphylaxis-Associated Cutaneous Vascular Calcification in Noncalciphylaxis Patients](#)
- News Items:
  - [Binder May Lower Hospitalization Risk in Persistent Hyperphosphatemia Cases](#) (Renal & Urology News)

Kabir O. Olaniran, MD, MPH (2018)

- [Acute Kidney Injury Among African Americans with Sickle Cell Trait and Disease](#)
- [Investigators Explore Role of Sickle Cell in Risk of Acute Kidney Injuries](#)

Mark Parker, PhD (2015)

- [Contribution of Monocarboxylate Transporter 6 to the Pharmacokinetics and Pharmacodynamics of Bumetanide in Mice](#)
- [The Therapeutic Importance of Acid-Base Balance](#)
- [pH Dependence of the Slc4a11-Mediated H<sup>+</sup> Conductance Is Influenced by Intracellular Lysine Residues and Modified by Disease-Linked Mutations](#)

Meghan Pearl, MD (2018)

- [Endothelin Type A Receptor Antibodies Are Associated with Angiotensin II Type 1 Receptor Antibodies, Vascular Inflammation, and Decline in Renal Function in Pediatric Kidney Transplantation](#)

Farzana Perwad, MD (2012)

- [Association Between Chronic Kidney Disease-Mineral Bone Disease \(CKD-MBD\) and Cognition in Children: Chronic Kidney Disease in Children \(CKiD\) Study](#)

Sian Piret, PhD (2020)

- [Proximal Tubular Transcription Factors in Acute Kidney Injury: Recent Advances](#)

Reena Rao, PhD (2007)

- [GSK3b inhibits Tubular Regeneration in Acute Kidney Injury by a FoxM1 Dependent Mechanism](#)
- [Glycogen Synthase Kinase-3 Signaling in Acute Kidney Injury](#)
- [Epithelial Vasopressin Type-2 Receptors Regulate Myofibroblasts by a YAP-CCN2-Dependent Mechanism in Polycystic Kidney Disease](#)

Yuvaram N.V. Reddy, MBBS (2020)

- [Shortages in Capacity to Deliver Continuous Kidney Replacement Therapy During the COVID-19 Pandemic in the United States](#)
- [The Role of Incremental Peritoneal Dialysis in the Era of the Advancing American Kidney Health Initiative](#)
- [HCV-Infected Deceased Donor Kidney Transplantation-Time to Take Up the Offer](#)

John K. Roberts, MD, MS (2017)

- [The Nephrology Immersion Classroom for Internal Medicine Residents](#)
- [Pivoting to Virtual / Individualized Learning in the COVID Era](#)
- [The Nephrology Clinician Educator: Pathway and Future](#)

Fahad Saeed, MD, MBBS, FASN (2019)

- [Dialysis Regret: Prevalence and Correlates](#)
- News Items:
  - [Many Patients with Kidney Failure Regret Initiating Dialysis](#) (Medical Xpress)
  - [Many Kidney Failure Patients Regret Starting Dialysis](#) (US News)
  - [Dialysis Regret Common Among Patients with Kidney Disease](#) (Medscape)
  - [Dialysis Regret, Prevalence, and Correlates](#) (Podcast CJASN)

Ken Sutha, MD, PhD (2019)

- [Challenges, Innovations, and Next Steps in Achieving Financial Neutrality for Living Donors](#)

Yan Xie (2020)

- [Comparative Effectiveness of the Sodium-Glucose Cotransporter 2 Inhibitor Empagliflozin Versus Other Antihyperglycemics on Risk of Major Adverse Kidney Events](#)
- [Comparative Effectiveness of SGLT2 Inhibitors, GLP-1 Receptor Agonists, DPP-4 Inhibitors, and Sulfonylureas on Risk of Kidney Outcomes: Emulation of a Target Trial Using Health Care Databases](#)

Rabi Yacoub, MD, FASN (2014)

- [Megalin-Mediated Albumin Endocytosis in Cultured Murine Mesangial Cells](#)