Editorials

1038 Donor-Derived Cell-Free DNA: Is It All the Same? The Jury Is Still Out
   Neetika Garg
   See related article on page 1118

1040 Moving Nephrology Genetics into Clinical Care
   Matthew B. Lanktree
   See related article on page 1099

Original Investigations

Chronic Kidney Disease

1042 Kidney Function, Self-Reported Symptoms, and Urine Findings in Nicaraguan Sugarcane Workers
   Zoe E. Petropoulos, Rebecca L. Laws, Juan José Amador, Damaris López-Pilarte, James S. Kaufman,
   Daniel E. Weiner, Oriana Ramirez-Rubio, Daniel R. Brooks, Michael D. McClean, and Madeleine K. Scammell

Clinical Nephrology

1052 Internal Medicine Residents’ Perceptions of Nephrology as a Career: A Focus Group Study
   Natalie Beck, Seth Furgeson, Michel Chonchol, and Jessica Kendrick

1060 The Nephrology Immersion Classroom for Internal Medicine Residents
   John K. Roberts, Norman W. Seay, Dinushika Mohottige, Aimee Zaas, and Myles Wolf

Cystic Kidney Disease

1068 Adult Inactivation of the Recessive Polycystic Kidney Disease Gene Causes Polycystic Liver Disease
   Whitney Besse, Charlotte Roosendaal, Luigi Tuccillo, Sounak Ghosh Roy, Anna-Rachel Gallagher,
   and Stefan Somlo

Dialysis

1077 How Hemodialysis Patients Perceive the SARS-CoV-2 Health Crisis: Lessons from Austria
   Tamara Davidovic, Hannelore Sprenger-Mähr, Armin Abbassi-Nik, Emanuel Zitt, and Karl Lhotta

1083 Parathyroid Hormone Serum Levels and Mortality among Hemodialysis Patients in the Gulf Cooperation Council Countries: Results from the DOPPS (2012–2018)
   Issa Al Salmi, Brian Bieber, Mona Al Rukhaimi, Ali AlSahow, Faissal Shaheen, Saeed M.G. Al-Ghamdi,
   Jamal Al Wakeel, Fadwa Al Ali, Ali Al-Aradi, Fayez Al Hejaili, Yacoub Al Mainani, Essam Fouly,
   Bruce M. Robinson, and Ronald L. Pisoni, for the GCC-DOPPS Study Group

1091 Calcimimetic Use in Dialysis-Dependent Medicare Fee-for-Service Beneficiaries and Implications for Bundled Payment
   Mark Gooding, Pooja Desai, Holly Owens, Allison A. Petrilla, Mahesh Kambhampati, Zach Levine, Joanna Young,
   Jack Fagan, and Robert Rubin

Genetics

1099 From Theory to Reality: Establishing a Successful Kidney Genetics Clinic in the Outpatient Setting
   Andrew L. Lundquist, Renee C. Pelletier, Courtney E. Leonard, Winfred W. Williams, Katrina A. Armstrong,
   Heidi L. Rehm, and Eugene P. Rhee
   See related editorial on page 1040
Functionally Essential Tubular Proteins Are Lost to Urine-Excreted, Large Extracellular Vesicles during Chronic Renal Insufficiency  
Ryan J. Adam, Mark R. Paterson, Lukus Wardecke, Brian R. Hoffmann, and Alison J. Kriegel

Donor-Derived Cell Free DNA: Is It All the Same?  
Joseph K. Melancon, Ali Khalil, and Mark J. Lerman

Moving beyond COVID-19 Surge—Caring for Patients with Kidney Disease throughout the Pandemic  

Assessing Polycystic Kidney Disease in Rodents: Comparison of Robotic 3D Ultrasound and Magnetic Resonance Imaging  

Global Dialysis Perspective: United States  
Yun Han and Rajiv Saran

Global Dialysis Perspective: India  
Joyita Bharati and Vivekanand Jha

Hyperaldosteronism: How Current Concepts Are Transforming the Diagnostic and Therapeutic Paradigm  
Michael R. Lattanzio and Matthew R. Weir

Organelle Stress and Crosstalk in Kidney Disease  
Sho Hasegawa and Reiko Inagi

How To Build a Successful Urgent-Start Peritoneal Dialysis Program  
Nilum Rajora, Shani Shastri, Gulzar Pirwani, and Ramesh Saxena

Abnormal Kidney Ultrasound in a Transplant Patient with AKI  
Janina Paula T. Sy-Go, Sorkko Thirunavukkarasu, and Andrew J. Bentall

Abdominal Pain and Fever in an Elderly Patient with Diabetes Mellitus  
Prakash Khetan, Vishal Ramteke, and JITendra Ashtekar

Abdominal Distention in a Patient on Peritoneal Dialysis  
John Wing Li and Kamal Sud

Cellular location and type of LRT-EV proteins identified through proteomic analysis.  
First column: Proteomic analysis identified the plasma membrane transporter megalin in LRT-EVs. Representative immunohistochemistry of kidney tissues collected 10 weeks post-surgery show presence of megalin (red) localized at the base of the brush border on the apical membrane in sham-operated (sham) rats. In 5/6Nx rats megalin can be seen in LRT-EVs that are within the tubule lumen and LRT-EVs emerging from the proximal tubule cells. The distribution of megalin is diffuse (yellow) or absent in some tubular cells. Image on bottom is an inset from center image. DAPI, blue; autofluorescence at 455 nm (green); Cal. bar = 100 μm.

Second column: Proteomic analysis failed to detect NHE3 in LRT-EVs. Immunohistochemistry of kidney tissue collected 10 weeks post-surgery show the presence of NHE3 (red) in sham and 5/6Nx rat proximal tubule epithelial, but not in LRT-EVs. DAPI, blue; autofluorescence at 455 nm (green); Cal. Bar = 50 μm. Adapted from Figure 2 of “Functionally Essential Tubular Proteins Are Lost to Urine-Excreted, Large Extracellular Vesicles during Chronic Renal Insufficiency” by Ryan J. Adam, Mark R. Paterson, Lukus Wardecke, Brian R. Hoffmann, and Alison J. Kriegel. KIDNEY360 1: 1107–1117, 2020. doi: 10.34067/KID.0001212020.