

Kidney360

March 2022 • Vol. 3 • No. 3

Editorials

407 Urinary Podocyte Biomarkers and Glomerular Histologic Change

Kazunori Inoue

See related article in 3(1): page 63 <https://doi.org/10.34067/KID.0004772021>

410 Is There a Role for More Intense Immunosuppression in IgA Nephropathy?

Abraham W. Aron

See related article on page 506.

413 How Whole Slide Imaging and Machine Learning Can Partner with Renal Pathology

Parker C. Wilson and Nidia Messias

See related article on page 534.

Debates in Nephrology

416 Extracorporeal Blood Purification Is Appropriate in Critically Ill Patients with COVID-19 and Multiorgan Failure: PRO

Kevin K. Chung and Stephen W. Olson

See related debate on page 419 and moderator commentary on page 423.

419 Extracorporeal Blood Purification Is Appropriate in Critically Ill Patients with COVID-19 and Multiorgan Failure: CON

Kianoush Kashani and Lui G. Forni

See related debate on page 416 and moderator commentary on page 423.

Moderator Commentary

423 Extracorporeal Blood Purification Is Appropriate in Critically Ill Patients with COVID-19 and Multiorgan Failure: COMMENTARY

Marlies Ostermann and Jay L. Koyner

See related debates on pages 416 and 419.

Original Investigations

Acute Kidney Injury and ICU Nephrology

426 Patient-Reported Experiences after Acute Kidney Injury across Multiple Health-Related Quality-of-Life Domains

Galen E. Switzer, Chethan M. Puttarajappa, Sandra L. Kane-Gill, Linda F. Fried, Kaleab Z. Abebe, John A. Kellum, Manisha Jhamb, Jessica G. Bruce, Vidya Kuniyil, Paul T. Conway, Richard Knight, John Murphy, and Paul M. Palevsky

Chronic Kidney Disease

435 CKD Biomarkers, Cognitive Impairment, and Incident Dementia in an Older Healthy Cohort

Anne M. Murray, Le Thi Phuong Thao, Joanne Ryan, Rory Wolfe, James B. Wetmore, Robyn L. Woods, and Kevan R. Polkinghorne

446 Three-Dimensional Super-Resolved Imaging of Paraffin-Embedded Kidney Samples

David Unnersjö-Jess, Amer Ramdedovic, Martin Höhne, Linus Butt, Felix C. Koehler, Roman-Ulrich Müller, Peter F. Hoyer, Hans Blom, Bernhard Schermer, and Thomas Benzing

455 Prescribing Patterns of Sodium-Glucose Cotransporter-2 Inhibitors in Patients with CKD: A Cross-Sectional Registry Analysis

Min Zhuo, Jiahua Li, Leo F. Buckley, Sri Lekha Tummalapalli, David B. Mount, David J.R. Steele, David J. Lucier, and Mallika L. Mendu

Cystic Kidney Disease

465 Asymptomatic Pyuria as a Prognostic Biomarker in Autosomal Dominant Polycystic Kidney Disease

Brian E. Jones, Yaman G. Mkhaimer, Laureano J. Rangel, Maroun Chedid, Phillip J. Schulte, Alaa K. Mohamed, Reem M. Neal, Dalia Zubidat, Amarjyot K. Randhawa, Christian Hanna, Adriana V. Gregory, Timothy L. Kline, Ziad M. Zoghby, Sarah R. Senum, Peter C. Harris, Vicente E. Torres, and Fouad T. Chebib

Diabetes and the Kidney

477 Comparative Effects of Sodium-Glucose Cotransporter 2 Inhibitors on Serum Electrolyte Levels in Patients with Type 2 Diabetes: A Pairwise and Network Meta-Analysis of Randomized Controlled Trials

Jingjing Zhang, Yonghong Huan, Mark Leibensperger, Bojung Seo, and Yiqing Song

Dialysis

488 Initial Home Dialysis Is Increased for Rural Patients by Accessing Urban Facilities

Joel T. Adler, S. Ali Husain, Lingwei Xiang, James R. Rodrigue, and Sushrut S. Waikar

Genetics

497 Evaluation of Suspected Autosomal Alport Syndrome Synonymous Variants

Rini Rossanti, Tomoko Horinouchi, Tomohiko Yamamura, China Nagano, Nana Sakakibara, Shinya Ishiko, Yuya Aoto, Atsushi Kondo, Sadayuki Nagai, Eri Okada, Shingo Ishimori, Hiroaki Nagase, Satoshi Matsui, Keiichi Tamagaki, Yoshifumi Ubara, Masahiko Nagahama, Yuko Shima, Koichi Nakanishi, Takeshi Ninchoji, Masafumi Matsuo, Kazumoto Iijima, and Kandai Nozu

Glomerular and Tubulointerstitial Diseases

506 Impact of Cyclophosphamide and Glucocorticoid Therapy in IgA Nephropathy: A Single-Center Retrospective Analysis

Nicolas Beck, Gerd Walz, and Johanna Schneider
See related editorial on page 410.

Transplantation

516 Trends in Coronary Artery Disease Screening before Kidney Transplantation

Xingxing S. Cheng, Sai Liu, Jialin Han, Margaret R. Stedman, Glenn M. Chertow, Jane C. Tan, and William F. Fearon

Brief Communications

Acute Kidney Injury and ICU Nephrology

524 Kidney Injury in Patients Treated with Immune Checkpoint Inhibitors Does Not Meet KDIGO-AKI Criteria

Maartje F.A. Verploegen, Marye J. Boers-Sonderen, Berber Piet, and Jack F.M. Wetzels

530 The Role of Kidney Biopsy in Immune Checkpoint Inhibitor-Associated AKI

Arash Rashidi, Chintan Shah, and Miroslav Sekulic

Innovative Technology and Methodology

Glomerular and Tubulointerstitial Diseases

534 Explainable Biomarkers for Automated Glomerular and Patient-Level Disease Classification

Matthew Nicholas Basso, Moumita Barua, Rohan John, and April Khademi
See related editorial on page 413.

Perspectives

546 Feeding the Kidney Researcher Pipeline through R25-NIDDK Funded Summer Undergraduate Research Fellowships: A Student Perspective

Elena M. Wilson, Sarah N. Lipp, Clayton T. Brady, Shuta Ishibe, and Michael F. Romero

550 Drug-Induced Osmotic Nephropathy: Add SGLT2-Inhibitors to the List?

Mark A. Perazella and Luis A. Juncos

554 Artificial Intelligence in the Identification, Management, and Follow-Up of CKD

Navdeep Tangri and Thomas W. Ferguson

557 How the University of Washington Implemented a Change in eGFR Reporting

Naomi T. Nkinsi and Bessie A. Young

Review Articles

561 Extrarenal Effects of Aldosterone on Potassium Homeostasis

Biff F. Palmer and Deborah J. Clegg

569 Nephrology Considerations in the Management of Durable and Temporary Mechanical Circulatory Support

Carl P. Walther, Andrew B. Civitello, Kenneth K. Liao, and Sankar D. Navaneethan

Clinical Images in Nephrology and Dialysis

580 Unexpected Kidney Finding in a Patient with Anemia

Takashi Uzu, Aya Mizumoto, and Kensuke Mitsumoto

582 Dark Urine in a Dialysis Patient Treated for a Bloodstream Infection

Furuya Kento and Itoh Naoya

On the Cover

Fast sample preparation and imaging protocol for the visualization of foot processes in FFPE kidney tissue. This protocol allows for fast, high throughput confocal imaging of FP on glomerular capillaries, with semi-automatic segmentation of the SD and FP. Figure 1B from "Three-Dimensional Super-Resolved Imaging of Paraffin-Embedded Kidney Samples" by David Unnersjö-Jess, Amer Ramdedovic, Martin Höhne, Linus Butt, Felix C. Koehler, Roman-Ulrich Müller, Peter F. Hoyer, Hans Blom, Bernhard Schermer, and Thomas Benzing. *Kidney360* 3: 446–454, 2022. DOI: 10.34067/KID.0005882021.