

This Month's Highlights

UP FRONT MATTERS

Editorials

- 1655 No Zoom Required: Meeting at the β -Intercalated Cells**
Wie-Yin Lin and Shmuel Muallem
• See related article by Berg et al. (pp. 1711–1727).
- 1657 Improving Equity in Medication Use through Better Kidney Function Measurement**
Delphine S. Tuot
• See related article by Shin et al. (pp. 1847–1858).

Perspectives

- 1659 COVID-19, Racism, and Racial Disparities in Kidney Disease: Galvanizing the Kidney Community Response**
Deidra C. Crews and Tanjala S. Purnell
- 1661 Striking a Balance in Simultaneous Heart Kidney Transplant: Optimizing Outcomes for All Wait-Listed Patients**
Brian I. Shaw, Debra L. Sudan, L. Ebony Boulware, and Lisa M. McElroy

- 1664 A Modest Proposal to Spur Innovation in Chronic Dialysis Care**
Thomas H. Hostetter

Review

- 1667 The Effects of High-Protein Diets on Kidney Health and Longevity**
Gang-Jee Ko, Connie M. Rhee, Kamyar Kalantar-Zadeh, and Shivam Joshi

RESEARCH LETTER

- 1680 Acute Start Peritoneal Dialysis during the COVID-19 Pandemic: Outcomes and Experiences**
Osama El Shamy, Niralee Patel, Mohamed Halim Abdelbaset, Linda Chenet, Joji Tokita, Robert Lookstein, David S. Lee, Noah A. Cohen, Shuchita Sharma, and Jaime Uribarri

RAPID COMMUNICATION

- 1683 Ultrastructural Evidence for Direct Renal Infection with SARS-CoV-2**
Evan A. Farkash, Allecia M. Wilson, and Jeffrey M. Jentzen
- 1688 ★AKI and Collapsing Glomerulopathy Associated with COVID-19 and APOL1 High-Risk Genotype**
Huijuan Wu, Christopher P. Larsen, Cesar F. Hernandez-Arroyo, Muner M.B. Mohamed, Tiffany Caza, Moh'd Sharshir, Asim Chughtai, Liping Xie, Juan M. Gimenez, Tyler A. Sandow, Mark A. Lusco, Haichun Yang, Ellen Acheampong, Ivy A. Rosales, Robert B. Colvin, Agnes B. Fogo, and Juan Carlos Q. Velez

BASIC RESEARCH

- 1697 Epithelial Vasopressin Type-2 Receptors Regulate Myofibroblasts by a YAP-CCN2–Dependent Mechanism in Polycystic Kidney Disease**
Nidhi Dwivedi, Shixin Tao, Abeda Jamadar, Sonali Sinha, Christianna Howard, Darren P. Wallace, Timothy A. Fields, Andrew Leask, James P. Calvet, and Reena Rao
- 1711 ★Impaired Renal HCO₃⁻ Excretion in Cystic Fibrosis**
Peder Berg, Samuel L. Svendsen, Mads V. Sorensen, Casper K. Larsen, Jesper Frank Andersen, Søren Jensen-Fangel, Majbritt Jeppesen, Rainer Schreiber, Ines Cabrita, Karl Kunzelmann, and Jens Leipziger
• See related editorial by Lin and Muallem (pp. 1655–1657).
- 1729 Drug Testing for Residual Progression of Diabetic Kidney Disease in Mice Beyond Therapy with Metformin, Ramipril, and Empagliflozin**
Manga Motrapu, Monika Katarzyna Świdarska, Irene Mesas, Julian Aurelio Marschner, Yutian Lei, Laura Martinez Valenzuela, Jia Fu, Kyung Lee, Maria Lucia Angelotti, Giulia Antonelli, Paola Romagnani, Hans-Joachim Anders, and Lidia Anguiano

- 1746 Central Role for Adipocyte Na,K-ATPase Oxidant Amplification Loop in the Pathogenesis of Experimental Uremic Cardiomyopathy**
Komal Sodhi, Xiaoliang Wang, Muhammad Aslam Chaudhry, Hari Vishal Lakhani, Mishghan Zehra, Rebecca Pratt, Athar Nawab, Cameron L. Cottrill, Brian Snoch, Fang Bai, James Denvir, Jiang Liu, Juan R. Sanabria, Zijian Xie, Nader G. Abraham, and Joseph I. Shapiro
- 1762 Podocyte Integrin- β_3 and Activated Protein C Coordinately Restrict RhoA Signaling and Ameliorate Diabetic Nephropathy**
Thati Madhusudhan, Sanchita Ghosh, Hongjie Wang, Wei Dong, Dheerendra Gupta, Ahmed Elwakiel, Stoyan Stoyanov, Moh'd Mohanad Al-Dabet, Shruthi Krishnan, Ronald Biemann, Sumra Nazir, Silke Zimmermann, Akash Mathew, Ihsan Gadi, Rajiv Rana, Jinyang Zeng-Brouwers, Marcus J. Moeller, Liliana Schaefer, Charles T. Esmon, Shrey Kohli, Jochen Reiser, Alireza R. Rezaie, Wolfram Ruf, and Berend Isermann
- 1781 Therapeutic Effect of Adipose Derived Mesenchymal Stem Cell Transplantation in Reducing Restenosis in a Murine Angioplasty Model**
Chuanqi Cai, Sreenivasulu Kilari, Chenglei Zhao, Michael L. Simeon, Avanish Misra, Yiqing Li, Andre J. van Wijnen, Debabrata Mukhopadhyay, and Sanjay Misra
- 1796 Distinct Modes of Balancing Glomerular Cell Proteostasis in Mucopolidosis Type II and III Prevent Proteinuria**
Wiebke Sachs, Marlies Sachs, Elke Krüger, Stephanie Zielinski, Oliver Kretz, Tobias B. Huber, Anke Baranowsky, Lena Marie Westermann, Renata Voltolini Velho, Nataniel Floriano Ludwig, Timur Alexander Yorgan, Giorgia Di Lorenzo, Katrin Kollmann, Thomas Bräulke, Ida Vanessa Schwartz, Thorsten Schinke, Tatyana Danyukova, Sandra Pohl, and Catherine Meyer-Schwesinger
- CLINICAL EPIDEMIOLOGY**
- 1815 ★Epidemiology of COVID-19 in an Urban Dialysis Center**
Richard W. Corbett, Sarah Blakey, Dorothea Nitsch, Marina Loucaidou, Adam McLean, Neill Duncan, and Damien R. Ashby, for the West London Renal and Transplant Centre
- 1824 Mortality in US Hemodialysis Patients Following Exposure to Wildfire Smoke**
Yuzhi Xi, Abhijit V. Kshirsagar, Timothy J. Wade, David B. Richardson, M. Alan Brookhart, Lauren Wyatt, and Ana G. Rappold
- 1836 Fibroblast Growth Factor 23 and Risk of Hospitalization with Infection in Chronic Kidney Disease: The Chronic Renal Insufficiency Cohort (CRIC) Study**
Junichi Ishigami, Jonathan T. Taliercio, Harold I. Feldman, Anand Srivastava, Raymond R. Townsend, Debbie L. Cohen, Edward J. Horwitz, Panduranga Rao, Jeanne Charleston, Jeffrey C. Fink, Ana C. Ricardo, James Sondheimer, Teresa K. Chen, Myles Wolf, Tamara Isakova, Lawrence J. Appel, and Kunihiro Matsushita, for the CRIC study Investigators
- 1847 ★The FDA Metformin Label Change and Racial and Sex Disparities in Metformin Prescription among Patients with CKD**
Jung-Im Shin, Yingying Sang, Alex R. Chang, Stephan C. Dunning, Josef Coresh, Lesley A. Inker, Elizabeth Selvin, Shoshana H. Ballew, and Morgan E. Grams
• See related editorial by Tuot (pp. 1657–1658).
- 1859 Obstructive Sleep Apnea, Other Sleep Characteristics, and Risk of CKD in the Atherosclerosis Risk in Communities Sleep Heart Health Study**
Kelsie M. Full, Chandra L. Jackson, Casey M. Rebholz, Kunihiro Matsushita, and Pamela L. Lutsey
- CLINICAL RESEARCH**
- 1871 ★Long-Term Functional Patency and Cost-Effectiveness of Arteriovenous Fistula Creation under Regional Anesthesia: a Randomized Controlled Trial**
Emma Aitken, Rachel Kearns, Lucian Gaianu, Andrew Jackson, Mark Steven, John Kinsella, Marc Clancy, and Alan Macfarlane
- 1883 ★Proteomic Analysis Identifies Distinct Glomerular Extracellular Matrix in Collapsing Focal Segmental Glomerulosclerosis**
Michael L. Merchant, Michelle T. Barati, Dawn J. Caster, Jessica L. Hata, Liliane Hobeika, Susan Coventry, Michael E. Brier, Daniel W. Wilkey, Ming Li, Ilse M. Rood, Jeroen K. Deegens, Jack F. Wetzels, Christopher P. Larsen, Jonathan P. Troost, Jeffrey B. Hodgins, Laura H. Mariani, Matthias Kretzler, Jon B. Klein, and Kenneth R. McLeish
- 1905 Estimation of Intraglomerular Pressure Using Invasive Renal Arterial Pressure and Flow Velocity Measurements in Humans**
Didier Collard, Peter M. van Brussel, Lennart van de Velde, Gilbert W.M. Wijntjens, Berend E. Westerhof, John M. Karemaker, Jan J. Piek, Jim A. Reekers, Liffert Vogt, Robbert J. de Winter, and Bert-Jan H. van den Born

LETTERS TO THE EDITOR

- 1915** **The Estimation Formula for the Urinary Albumin-Creatinine Ratio Based on the Protein-Creatinine Ratio Are Not Valid for a Kidney Transplant and a Living Donor Cohort**
Ulrich Jehn, Dennis Görlich, and Stefan Reuter
- 1916** **Authors' Reply**
Robert G. Weaver, Marcello Tonelli, Edmund J. Lamb, and Brenda R. Hemmelgarn
- 1917** **Possible Protective Effect of Renin-Angiotensin System Inhibitors in COVID-19 Induced Acute Kidney Injury**
Chia Siang Kow and Syed Shahzad Hasan
- 1918** **Authors' Reply**
Daniel Batlle, Maria Jose Soler, Paul A. Welling, and Sundararaman Swaminathan, on behalf of the COVID-19 and ACE2 in Cardiovascular, Lung, and Kidney Working Group