UP FRONT MATTERS

Editorials
1827 Transplant Biopsy Assessment in 21st Century
Andrew F. Malone
- See related article by Buscher et al. (pp. 1933–1945).

1829 Biobanks Linked to Electronic Health Records Accelerate Genomic Discovery
Dana C. Crawford and John R. Sedor
- See related article by Kiryluk et al. (pp. 2031-2047)

1831 Novel Insights into Mechanisms of Intestinal Phosphate Absorption in Patients with Chronic Kidney Disease
Kittrawee Kritmetapak and Rajiv Kumar
- See related article by Stremke et al. (pp. 2057-2069)

1833 Prevention of Post-Transplantation Diabetes: Small Steps, Big Opportunities
Adnan Sharif
- See related article by Hecking et al. (pp. 2083-2098)

Perspectives
Krista L. Lentine, Bertram Kasiske, and David A. Axelrod

Reviews
1838 Current Methodological Challenges of Single-Cell and Single-Nucleus RNA-Sequencing in Glomerular Diseases
Dries Deleersnijder, Jasper Callemeyn, Ingrid Arijs, Maarten Naesens, Amarylis H. Van Craenenbroeck, Diether Lambrechts, and Ben Sprangers

RESEARCH LETTERS
1853 Circulating Soluble Fms-like Tyrosine Kinase in Renal Diseases Other than Preeclampsia
Theresa M. Wewers, Annika Schulz, Ingo Nolte, Hermann Pavenstädt, Marcus Brand, and Giovana S. Di Marco

1865 Presence of SARS-CoV-2 Antibodies in Spent Peritoneal Dialysate
Xiaoling Wang, Nadja Grobe, Amrish Patel, Shuchita Sharma, Jaime Uribarri, and Peter Kotanko

1868 Race-Free Equations for eGFR: Comparing Effects on CKD Classification
James A. Diao, Neil R. Powe, and Arjun K. Manrai

RAPID COMMUNICATIONS
1871 A Biallelic Frameshift Mutation in Nephronectin Causes Bilateral Renal Agenesis in Humans
Lei Dai, Jingzhi Li, Liangqun Xie, Weinan Wang, Yang Lu, Mingkun Xie, Jingrui Huang, Kuifang Shen, Hui Yang, Chenlin Pei, Yanhua Zhao, and Weishe Zhang

1880 Antibody Status, Disease History, and Incidence of SARS-CoV-2 Infection Among Patients on Chronic Dialysis
Dena E. Cohen, Scott Sibbel, Gilbert Marlowe, Kelsey Bludorn, Dawn Miller, Tara Kelley, Jeffrey Connaire, Amy Young, Francesca Tentori, and Steven M. Brunelli

BASIC RESEARCH
1887 Laminin-521 is a Novel Target of Autoantibodies Associated with Lung Hemorrhage in Anti-GBM Disease
Cong-rong Shen, Xiao-yu Jia, Wentian Luo, Florina Oluaru, Zhao Cui, Ming-hui Zhao, and Dorin-Bogdan Borza

Red star ★ indicates articles that are features in This Month’s Highlights.
1898 Increasing mTORC1 Pathway Activity or Methionine Supplementation during Pregnancy Reverses the Negative Effect of Maternal Malnutrition on the Developing Kidney
Yaniv Makayes, Elad Resnick, Liad Hinden, Elina Aizenshtein, Tomer Shlomi, Raphael Kopan, Morris Nechama, and Oded Volovelsky

1913 TWEAK Signaling Pathway Blockade Slows Cyst Growth and Disease Progression in Autosomal Dominant Polycystic Kidney Disease
Adrian Cordido, Laura Nuñez-Gonzalez, Julio M. Martinez-Moreno, Olaya Lamas-Gonzalez, Laura Rodriguez-Osorio, Maria Vanessa Perez-Gomez, Diego Martin-Sanchez, Patricia Outeda, Marco Chiaravalli, Terry Watnick, Alessandra Boletta, Candido Diaz, Ángel Carracedo, Ana B. Sanz, Alberto Ortiz, and Miguel A. García-Gonzalez

1933 Data-Driven Kidney Transplant Phenotyping as a Histology-Independent Framework for Biomarker Discovery
Konrad Buscher, Barbara Heitplatz, Veerle van Marck, Jian Song, Sophie Loismann, Rebecca Rixen, Birte Hüchtmann, Sunil Kurian, Erik Ehinger, Dennis Wolf, Klaus Ley, Hermann Pavcnstäd, and Stefan Reuter
  • See related editorial by Malone (pp.1827–1828).

1946 Phase Separation of MAGI2-Mediated Complex Underlies Formation of Slit Diaphragm Complex in Glomerular Filtration Barrier
Haijiao Zhang, Lin Lin, Jianping Liu, Lifeng Pan, Zhijie Lin, Mingjie Zhang, Jiong Zhang, Ying Cao, Jinwei Zhu, and Rongguang Zhang

1961 Uncovering Modifier Genes of X-Linked Alport Syndrome Using a Novel Multiparent Mouse Model
Yuka Takemon, Valerie Wright, Bernard Davenport, Daniel M. Gatti, Susan M. Sheehan, Kelsey Letson, Holly S. Savage, Rachel Lennon, and Ron Korstanje

1974 REST and Stress Resistance in the Aging Kidney
Sato Magassa, Liviu Aron, Clément Hoquin, Pierre Isnard, Fabiola Terzi, Christophe Legendre, Bruce A. Yankner, and Guillaume Canaud

1987 Progressive Cellular Senescence Mediates Renal Dysfunction in Ischemic Nephropathy

2005 Long-Term Kidney Outcomes Following Dialysis-Treated Childhood Acute Kidney Injury: A Population-Based Cohort Study

2020 Serum Biomarkers of Iron Stores Are Associated with Increased Risk of All-Cause Mortality and Cardiovascular Events in Nondialysis CKD Patients, with or without Anemia
Murilo Guedes, Daniel G. Muenz, Jarcy Zee, Brian Bieber, Benedicte Stengel, Ziad A. Massy, Nicolas Mansencal, Michelle M.Y. Wong, David M. Charytan, Helmut Reichel, Sandra Waechter, Ronald L. Pisoni, Bruce M. Robinson, and Roberto Pecoi-Filho on behalf of CKDopps Investigators

2031 Medical Records-Based Genetic Studies of the Complement System
  • See related editorial by Crawford and Sedor (pp.1829–1830).

2048 Racial and Neighborhood-Level Disparities in COVID-19 Incidence among Patients on Hemodialysis in New York City
Sri Lekha Tummalapalli, Jeffrey Silberzweig, Daniel Cukor, Jonathan T. Lin, Tarek Barbar, Yao Liu, Kwan Kim, Thomas S. Parker, Daniel M. Levine, and Said A. Ibrahim

2057 Intestinal Phosphorus Absorption in Moderate CKD and Healthy Adults Determined Using a Radioisotopic Tracer
Elizabeth R. Stremke, Gretchen N. Wiese, Sharon M. Moe, Meryl E. Wastney, Ranjani N. Moorthi, and Kathleen M. Hill Gallant
  • See related editorial by Kritmetapak and Kumar (pp.1831–1833).
2070 Missing Self-Induced Microvascular Rejection of Kidney Allografts: A Population-Based Study
Jasper Callemeyn, Aleksandar Senev, Maarten Coemans, Evelyne Lerut, Ben Sprangers, Dirk Kuypers, Alice Koenig, Olivier Thaunat, Marie-Paule Emonds, and Maarten Naesens

2083 Early Postoperative Basal Insulin Therapy versus Standard of Care for the Prevention of Diabetes Mellitus after Kidney Transplantation: A Multicenter Randomized Trial
Elisabeth Schwaiger, Simon Krenn, Amelie Kumikowski, Leon Bergfeld, María José Pérez-Sez, Alexander Frey, David Topitz, Michael Bergmann, Sebastian Hödlmoser, Friederike Bachmann, Fabian Halleck, Susanne Kron, Hildegard Hafner-Giessauf, Kathrin Eller, Alexander R. Rosenkranz, Marta Crespo, Anna Faura, Andrea Tura, Peter X. K. Song, Friedrich K. Port, Julio Pascual, Klemens Budde, Robin Ristl, Johannes Werzowa, and Manfred Hecking
* See related editorial by Sharif (pp. 1833–1834).

LETTERS TO THE EDITOR
2099 Considerations in Comparing Proximal Tubule Cell Culture Models
Ora A. Weisz

ERRATA
2101 Correction: Long-Term Exposure to Ambient PM2.5 and Increased Risk of Chronic Kidney Disease Prevalence in China
Guoxing Li, Jing Huang, Jinwei Wang, Minghui Zhao, Yang Liu, Xingbao Guo, Shaowei Wu, Luxia Zhang