This Month’s Highlights

UP FRONT MATTERS

Editorials
1433 ★ Polycystin-2 in the Endoplasmic Reticulum: Bending Ideas about the Role of the Cilium
Michael J. Caplan
* See related article by Padhy et al. (pp. 1501–1516).

1435 Identifying Antigen-Specific T Cells in ANCA-Associated Vasculitis: A Glimpse of the Future?
Lani Shochet and A. Richard Kitching
* See related article by Chen et al. (pp. 1517–1527).

1437 Unfulfilled Expectations Open New Horizons: What Have We Learned about Volume-Regulated Anion Channels in the Kidney?
Oleh Pochynyuk and Oleg Palygin
* See related article by López-Cayuqueo et al. (pp. 1528–1545).

Perspectives
1440 Collaboration between Dialysis Providers
Jeffrey Silberzweig, J. Ganesh Bhat, Mary O. Dittrich, Raghu Durvasula, Jeff Giulian, Jeffrey L. Hymes, Doug Johnson, Brigitte Schiller, Richard Spech, Leslie Spry, Geoffrey Scott Walker, Suzanne Watnick, Jerry Yee, and Barry I. Freedman

1445 Vaccination, Transplantation, and a Social Contract
Olivia S. Kates, Ajit P. Limaye, and Bruce Kaplan

Review
1448 High-Resolution Mass Spectrometry for the Measurement of PTH and PTH Fragments: Insights into PTH Physiology and Bioactivity
Candice Z. Ulmer, Kittrawee Kritmetapak, Ravinder J. Singh, Hubert W. Vesper, and Rajiv Kumar

Special Article
1459 Optimizing the Design and Analysis of Future AKI Trials

ADDRESSING RACIAL AND ETHNIC DISPARITIES IN KIDNEY DISEASE

1471 Housing: A Critical Contributor to Kidney Disease Disparities
Tessa K. Novick, and Mukta Baweja, on behalf of the American Society of Nephrology Healthcare Justice Committee Advocacy and Scholarship Work Group

1474 Addressing Inequities in Kidney Care for Indigenous People in Canada
Oksana Harasemiw, Paul Komenda, and Navdeep Tangri

RAPID COMMUNICATION

Chronic Kidney Disease
1477 Targeted Disruption of a Proximal Tubule–Specific TMEM174 Gene in Mice Causes Hyperphosphatemia and Vascular Calcification
Shinobu Miyazaki-Anzai, Audrey L. Keenan, Judith Blaine, and Makoto Miyazaki

BASIC RESEARCH

Acute Kidney Injury
1487 Myeloid CCR2 Promotes Atherosclerosis after AKI
Anne M. Hüsing, Vera C. Wulfmeyer, Svenja Gaedcke, Susanne V. Fleig, Song Rong, David DeLuca, Hermann Haller, Roland Schmitt, and Sibylle von Vietinghoff

Genetic Disease of the Kidney
1501 ★ Channel Function of Polycystin-2 in the Endoplasmic Reticulum Protects against Autosomal Dominant Polycystic Kidney Disease
Biswaajt Padhy, Jian Xie, Runping Wang, Fang Lin, and Chou-Long Huang
* See related editorial by Caplan (pp. 1433–1434).
Glomerulonephritis and Interstitial Nephritis

Immunological Interaction of HLA-DPB1 and Proteinase 3 in ANCA Vasculitis is Associated with Clinical Disease Activity

See related editorial by Shochet and Kitching (pp. 1435–1437).

Normal Kidney Structure and Function

Renal Deletion of LRRC8/VRAC Channels Induces Proximal Tubulopathy
Karen I. López-Cayuqueo, Rosa Planells-Cases, Matthias Pietzke, Anna Oliveras, Stefan Kempa, Sebastian Bachmann, and Thomas J. Jentsch

See related editorial by Pochynyuk and Palygin (pp. 1437–1439).

Complementary Nck1/2 Signaling in Podocytes Controls α-Actinin-4–Mediated Actin Organization, Adhesion, and Basement Membrane Composition

CLINICAL RESEARCH

Chronic Kidney Disease

Albuminuria-Lowering Effect of Dapagliflozin, Eplerenone, and Their Combination in Patients with Chronic Kidney Disease: A Randomized Crossover Clinical Trial
Michele Provenzano, Maria Jesús Puchades, Carlo Garofalo, Niels Jongs, Luis D’Marco, Michele Andreucci, Luca De Nicola, Jose Luis Gorriz, and Hiddo J.L. Heerspink, on behalf of the ROTATE-3 study group

A Deep Learning Approach for Automated Segmentation of Kidneys and Exophytic Cysts in Individuals with Autosomal Dominant Polycystic Kidney Disease
Youngwoo Kim, Cheng Tao, Hyungchan Kim, Geum-Yoon Oh, Jeongbeom Ko, and Kyongtae T. Bae

Coronary Artery Calcification Score and the Progression of Chronic Kidney Disease
Hae-Ryong Yun, Young Su Joo, Hyung Woo Kim, Jung Tak Park, Tae Ik Chang, Nak-Hoon Son, Tae-Hyun Yoo, Shin-Wook Kang, Suah Sung, Kyu-Beck Lee, Joongyub Lee, Kook-Hwan Oh, and Seung Hyeok Han, on behalf of the KoreaN Cohort Study for Outcomes in Patients With Chronic Kidney Disease (KNOW-CKD) investigators

Dialysis

The Relationship between Cerebrovascular Reactivity and Cerebral Oxygenation during Hemodialysis
Wesley T. Richerson, Brian D. Schmit, and Dawn F. Wolfgram

Transplantation

A Composite End Point of Graft Status and eGFR at 1 Year to Improve the Scientific Registry of Transplant Recipients’ Five-Tier Rating System
Kaicheng Wang, Yanhong Deng, Darren Stewart, and Richard N. Formica Jr.

LETTERS TO THE EDITOR

On the Importance of Considering Glycosylation when Evaluating Biologic Therapies
Mathieu Lemaire


Authors’ Reply: On the Importance of Considering Glycosylation when Evaluating Biologic Therapies
Andrea Angeletti, Pietro Ravani, Maurizio Bruschi, and Gian Marco Ghiggeri

See related letter to the editor, “Serum Protein-Induced Tubular Injury,” on page 1627, and original article, “Serum Protein Exposure Activates a Core Regulatory Program Driving Human Proximal Tubule Injury,” in Vol. 33, Iss. 5, on pages 949–965.

Authors’ Reply: Serum Protein-Induced Tubular Injury
W. Charles O’Neill

See related reply, “Authors’ Reply: Serum Protein-Induced Tubular Injury,” on page 1627–1628, and original article, “Serum Protein Exposure Activates a Core Regulatory Program Driving Human Proximal Tubule Injury” in Vol. 33, Iss. 5, on pages 949–965.

Authors’ Reply: Serum Protein-Induced Tubular Injury
Kevin Lidberg, Jonathan Himmelfarb, Edward Kelly, and Shreeram Akilesh

See related letter to the editor, “Serum Protein-Induced Tubular Injury,” on page 1627, and original article, “Serum Protein Exposure Activates a Core Regulatory Program Driving Human Proximal Tubule Injury,” in Vol. 33, Iss. 5, on pages 949–965.