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).

- 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


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. Husing, 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 Biswajit Padhy, Jian Xie, Runping Wang, Fang Lin, and Chou-Long Huang
- See related editorial by Caplan (pp. 1433–1434).

Red star ★ indicates articles that are featured in This Month’s Highlights.
Glomerulonephritis and Interstitial Nephritis

1517 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

1528 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).

1546 Complementary Nck1/2 Signaling in Podocytes Controls Actinin-4–Mediated Actin Organization, Adhesion, and Basement Membrane Composition

CLINICAL RESEARCH
Chronic Kidney Disease

1569 Albuminuria-Lowering Effect of Dapagliflozin, Eplerenone, and Their Combination in Patients with Chronic Kidney Disease: A Randomized Crossover Clinical Trial
Michela Provenzano, Maria Jesús Puchades, Carlo Garofalo, Niels Jonges, Luis D’Marco, Michele Andreucci, Luca De Nicola, Jose Luis Gorriz, and Hiddo J.L. Heerspink, on behalf of the ROTATE-3 study group

1581 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

1590 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

1602 The Relationship between Cerebrovascular Reactivity and Cerebral Oxygenation during Hemodialysis
Wesley T. Richerson, Brian D. Schmit, and Dawn F. Wolfgram

Transplantation

1613 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

1625 On the Importance of Considering Glycosylation When Evaluating Biologic Therapies
Mathieu Lemaire

1626 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.

1627 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.

1627 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.