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## **This Month's Highlights**

### **UP FRONT MATTERS**

#### **Editorials**

**1229 ★GFR and eGFR in Term-Born Neonates**

Guido Filler, Ajay P. Sharma, and Judith Exantus

- See related article by Smeets et al. (pp. 1277–1292).

**1231 Autoimmune Renal Calcium and Magnesium Wasting**

Karl P. Schlingmann and Martin Konrad

- See related article by Figueres et al. (pp. 1402–1410).

**1233 ★Predicting Future Outcomes from Kidney Biopsies with MCD/FSGS Lesions: Opportunities and Limitations**

Hans-Joachim Anders and Peter Boor

- See related article by Zee et al. (pp. 1411–1426).

### **SPECIAL SERIES ON ADDRESSING RACIAL AND ETHNIC DISPARITIES IN KIDNEY DISEASE**

**1237 Kidney Health Disparities: The Goal is Elimination**  
Donald E. Wesson

**1240 ★Equitable Transplantation: A Modifiable Risk Factor for Disparities in Mortality in ESKD**

Marciana Laster and Keith C. Norris

- See related article by Becerra et al. (pp. 1265–1275).

**1242 Navigating to Kidney Health Equity**  
Derek M. Griffith and Ebele M. Umeukeje

**1245 United States Renal Data System Spotlight on Racial and Ethnic Health Equity: Progress, but much Remains to Discover, Understand, and Improve**

Kirsten L. Johansen and Neil R. Powe

**1249 Looking Upstream—The Role of Primary Care in Addressing US Race Inequities in Kidney Health**

L. Ebony Boulware

**1252 Culturally Concordant Community-Health Workers: Building Sustainable Community-Based Interventions that Eliminate Kidney Health Disparities**

Lilia Cervantes, Bruce M. Robinson, John F. Steiner, and Larissa Myaskovsky

**1255 Recognizing the Potential Importance of Religion and Spirituality in the Care of Black Americans with Kidney Failure**

Samantha L. Gelfand, George Fitchett, and Alvin H. Moss

**1258 Racial and Ethnic Disparities in Home Dialysis Use in the United States: Barriers and Solutions**

Katherine Rizzolo, Lilia Cervantes, and Jenny I. Shen

**1262 Lack of Cultural and Language Concordant Nutrition Education for Hispanic/Latinx Individuals with CKD: A Call to Action**

Luis M. Perez and Annabel Biruete

**1265 ★Transplantation Mediates Much of the Racial Disparity in Survival from Childhood-Onset Kidney Failure**

Adan Z. Becerra, Kevin E. Chan, Paul W. Eggers, Jenna Norton, Paul L. Kimmel, Ivonne H. Schulman, and Susan R. Mendley

- See related editorial by Laster and Norris (pp. 1240–1241).

### **META-ANALYSIS**

#### **Development of the Kidney**

**1277 ★Maturation of GFR in Term-Born Neonates: An Individual Participant Data Meta-Analysis**

Nori J.L. Smeets, Joanna IntHout, Maurice J.P. van der Burgh, George J. Schwartz, Michiel F. Schreuder, and Saskia N. de Wildt

- See related editorial by Filler (pp. 1229–1231).

### **BASIC RESEARCH**

#### **Acute Kidney Injury**

**1293 A Novel Soluble ACE2 Protein Provides Lung and Kidney Protection in Mice Susceptible to Lethal SARS-CoV-2 Infection**

Luise Hassler, Jan Wysocki, Ian Gelarden, Isha Sharma, Anastasia Tomatsidou, Minghao Ye, Haley Gula, Vlad Nicolescu, Glenn Randall, Sergii Pshenychnyi, Nigar Khurram, Yashpal Kanwar, Dominique Missiakas, Jack Henkin, Anjana Yeldandi, and Daniel Batlle

### **Development of the Kidney**

- 1308 Single-Cell Chromatin and Gene-Regulatory Dynamics of Mouse Nephron Progenitors**  
Sylvia Hilliard, Giovane Tortelote, Hongbing Liu, Chao-Hui Chen, and Samir S. El-Dahr

### **Extra-Renal Effects of Kidney Disease**

- 1323 Impaired Mineral Ion Metabolism in a Mouse Model of Targeted Calcium-Sensing Receptor (CaSR) Deletion from Vascular Smooth Muscle Cells**  
Martin Schepelmann, Marianna Ranieri, Irene Lopez-Fernandez, Thomas S. Webberley, Sarah C. Brennan, Polina L. Yarova, Joao Graca, Umar-Khetaab Hanif, Christian Müller, Teresa Manhardt, Martina Salzmann, Helen Quasnichka, Sally A. Price, Donald T. Ward, Thierry Gilbert, Vladimir V. Matchkov, Robert A. Fenton, Amanda Herberger, Jenna Hwang, Christian Santa Maria, Chia-Ling Tu, Enikő Kallay, Giovanna Valenti, Wenhan Chang, and Daniela Riccardi

### **Hypertension**

- 1341 Brief Early Life Angiotensin-Converting Enzyme Inhibition Offers Renoprotection in Sheep with a Solitary Functioning Kidney at 8 Months of Age**  
Zoe McArdle, Reetu R. Singh, Helle Bielefeldt-Ohmann, Karen M. Moritz, Michiel F. Schreuder, and Kate M. Denton

### **Renal Repair**

- 1357 Aqp2<sup>+</sup> Progenitor Cells Maintain and Repair Distal Renal Segments**  
Chao Gao, Long Zhang, Enuo Chen, and Wenzheng Zhang

## **CLINICAL EPIDEMIOLOGY**

### **Chronic Kidney Disease**

- 1377 The Association of Excess Body Weight with Risk of ESKD Is Mediated Through Insulin Resistance, Hypertension, and Hyperuricemia**  
Josef Fritz, Wolfgang Brozek, Hans Concin, Gabriele Nagel, Julia Kerschbaum, Karl Lhotta, Hanno Ulmer, and Emanuel Zitt

## **CLINICAL RESEARCH**

### **Chronic Kidney Disease**

- 1391 Association of Proximal Tubular Secretory Clearance with Long-Term Decline in Cognitive Function**

Benjamin Lidgard, Nisha Bansal, Leila R. Zelnick, Andrew Hoofnagle, Jing Chen, Derek Colaizzo, Mirela Dobre, Katherine T. Mills, Anna C. Porter, Sylvia E. Rosas, Mark J. Samak, Stephen Seliger, James Sondheimer, Manjula Kurella Tamura, Kristine Yaffe, and Bryan Kestenbaum, and the CRIC Study Investigators

### **Glomerulonephritis and Interstitial Nephritis**

- 1402 Hypomagnesemia, Hypocalcemia, and Tubulointerstitial Nephropathy Caused by Claudin-16 Autoantibodies**  
Lucile Figueres, Sarah Bruneau, Caroline Prot-Bertoye, Gaëlle Brideau, Mélanie Néel, Camille Griveau, Lydie Cheval, Yohan Bignon, Jordan Dimitrov, Thomas Dejoie, Simon Ville, Christine Kandel-Aznar, Anne Moreau, Pascal Houillier, and Fadi Fakhouri
- See related editorial by Schlingmann and Konrad (pp. 1231–1233).

- 1411 ★Kidney Biopsy Features Most Predictive of Clinical Outcomes in the Spectrum of Minimal Change Disease and Focal Segmental Glomerulosclerosis**

Jarcy Zee, Qian Liu, Abigail R. Smith, Jeffrey B. Hodgin, Avi Rosenberg, Brenda W. Gillespie, Lawrence B. Holzman, Laura Barisoni, and Laura H. Mariani, for the Nephrotic Syndrome Study Network (NEPTUNE)

- See related editorial by Anders and Boor (pp. 1233–1235).

## **LETTERS TO THE EDITOR**

- 1427 Calcium-Based Phosphate Binders and Plasma Oxalate Concentration in Dialysis Patients**  
Yoshinari Oka, Masashi Miyazaki, Shigeko Takatsu, and Hiroaki Matsuda
- See related reply, "Authors' Reply: Calcium-Based Phosphate Binders and Plasma Oxalate Concentration in Dialysis Patients," on page 1428, and original article, "High Oxalate Concentrations Correlate with Increased Risk for Sudden Cardiac Death in Dialysis Patients," in Vol. 32, Iss. 9, on pages 2375–2385.

**1428 Authors' Reply: Calcium-Based Phosphate Binders and Plasma Oxalate Concentration in Dialysis Patients**

Anja Pfau and Felix Knauf

See related letter to the editor, "Calcium-Based Phosphate Binders and Plasma Oxalate Concentration in Dialysis Patients," on page 1427, and original article, "High Oxalate Concentrations Correlate with Increased Risk for Sudden Cardiac Death in Dialysis Patients," in Vol. 32, Iss. 9, on pages 2375–2385.

**1428 Clinical Studies of Vaccine Efficacy**

Damien Ashby

- See related reply, "Authors' Reply: Clinical Studies of Vaccine Efficacy," on pages 1430–1431, and original

article, "The Impact of Vaccination on Incidence and Outcomes of SARS-CoV-2 Infection in Patients with Kidney Failure in Scotland," in Vol. 33, Iss. 4, on pages 677–686.

**1430 Authors' Reply: Clinical Studies of Vaccine Efficacy**

Samira Bell, Jacqueline Campbell, Emilie Lambourg, and Patrick Mark

- See related letter to the editor, "Clinical Studies of Vaccine Efficacy," on pages 1428–1430, and original article, "The Impact of Vaccination on Incidence and Outcomes of SARS-CoV-2 Infection in Patients with Kidney Failure in Scotland," in Vol. 33, Iss. 4, 677–686.