

This Month's Highlights

UP FRONT MATTERS

Editorials

- 1139 **Fatal Attraction: Immunoglobulin A and the Glomerular Mesangium**

Jürgen Floege

• See related article by Wehbi et al. (pp. 1238–1249).

- 1141 **A "Set Point" for Water Homeostasis Disturbed with Altered Kidney Transplantation Outcome**

Daniel G. Bichet

• See related article by Mazloum et al. (pp. 1282–1293).

- 1143 **Restricting Red-Cell Transfusions in Cardiac Surgery: No Increase in AKI**

Iain C. Macdougall and Toby Richards

• See related article by Garg et al. (pp. 1294–1304).

- 1145 **MAIT Cells as Drivers of Renal Fibrosis and CKD**

Birgit Sawitzki

• See related article by Law et al. (pp. 1322–1335).

Perspective

- 1147 **Compromising Outcomes**

Peter B. Imrey

Review

- 1151 **Mitochondria in Sepsis-Induced AKI**

Jian Sun, Jingxiao Zhang, Jiakun Tian, Grazia Maria Virzi, Kumar Digvijay, Laura Cueto, Yongjie Yin, Mitchell H. Rosner, and Claudio Ronco

BASIC RESEARCH

- 1163 **Chlorthalidone Is Superior to Potassium Citrate in Reducing Calcium Phosphate Stones and Increasing Bone Quality in Hypercalciuric Stone-Forming Rats**

Nancy S. Krieger, John R. Asplin, Ignacio Granja, Felix M. Ramos, Courtney Flotteron, Luojing Chen, Tong Tong Wu, Marc D. Grynepas, and David A. Bushinsky

- 1174 **Bif-1 Interacts with Prohibitin-2 to Regulate Mitochondrial Inner Membrane during Cell Stress and Apoptosis**

Sung-Gyu Cho, Xiao Xiao, Shixuan Wang, Hua Gao, Ruslan Rafikov, Stephen Black, Shang Huang, Han-Fei Ding, Yisang Yoon, Robert A. Kirken, Xiao-Ming Yin, Hong-Gang Wang, and Zheng Dong

- 1192 ★ **Von Hippel-Lindau Acts as a Metabolic Switch Controlling Nephron Progenitor Differentiation**

Kasey Cargill, Shelby L. Hemker, Andrew Clugston, Anjana Murali, Elina Mukherjee, Jiao Liu, Daniel Bushnell, Andrew J. Bodnar, Zubaida Saifudeen, Jacqueline Ho, Carlton M. Bates, Dennis Kostka, Eric S. Goetzman, and Sunder Sims-Lucas

- 1206 **Daratumumab in Sensitized Kidney Transplantation: Potentials and Limitations of Experimental and Clinical Use**

Jean Kwun, Marie Matignon, Miriam Manook, Souleif Guendouz, Vincent Audard, David Kheav, Elsa Poullot, Chantal Gautreau, Brian Ezekian, Diane Bodez, Thibault Damy, Laureline Faivre, Dehbia Menouch, Janghoon Yoon, Jaeberm Park, Karim Belhadj, Dongfeng Chen, Alyssa M. Bilewski, John S. Yi, Bradley Collins, Mark Stegall, Alton B. Farris, Stuart Knechtle, and Philippe Grimbert

- 1220 ★ **Tyrosine Phosphorylation of CD2AP Affects Stability of the Slit Diaphragm Complex**

Irini Tossidou, Beina Teng, Kirstin Worthmann, Janina Müller-Deile, Tilman Jobst-Schwan, Christian Kardinal, Patricia Schroder, Patricia Bolanos-Palmieri, Hermann Haller, Jonas Willerding, Dana M. Drost, Laura de Jonge, Thomas Reubold, Susanne Eschenburg, Ruth I. Johnson, and Mario Schiffer

- 1238 **Mesangial Deposition Can Strongly Involve Innate-Like IgA Molecules Lacking Affinity Maturation**

Batoul Wehbi, Christelle Oblet, François Boyer, Arnaud Huard, Anne Druilhe, François Paraf,

Etienne Cogné, Jeanne Moreau, Yolla El Makhour, Bassam Badran, Marjolein Van Egmond, Michel Cogné, and Jean-Claude Aldigier

- See related editorial by Floege (pp. 1139–1141).

CLINICAL EPIDEMIOLOGY

1251 **Symptomatic and Radiographic Manifestations of Kidney Stone Recurrence and Their Prediction by Risk Factors: A Prospective Cohort Study**

Matthew R. D'Costa, William E. Haley, Kristin C. Mara, Felicity T. Enders, Terri J. Vrtiska, Vernon M. Pais, Steven J. Jacobsen, Cynthia H. McCollough, John C. Lieske, and Andrew D. Rule

CLINICAL RESEARCH

1261 **The Primary-Secondary Care Partnership to Improve Outcomes in Chronic Kidney Disease (PSP-CKD) Study: A Cluster Randomized Trial in Primary Care**

Rupert W. Major, Celia Brown, David Shepherd, Stephen Rogers, Warren Pickering, Graham L. Warwick, Shaun Barber, Nuzhat B. Ashra, Tom Morris, and Nigel J. Brunskill

1271 **Impact of AKI on Urinary Protein Excretion: Analysis of Two Prospective Cohorts**

Chi-yuan Hsu, Raymond K. Hsu, Kathleen D. Liu, Jingrong Yang, Amanda Anderson, Jing Chen, Vernon M. Chinchilli, Harold I. Feldman, Amit X. Garg, Lee Hamm, Jonathan Himmelfarb, James S. Kaufman, John W. Kusek, Chirag R. Parikh, Ana C. Ricardo, Sylvia E. Rosas, Georges Saab, Daohang Sha, Edward D. Siew, James Sondheim, Jonathan J. Taliencio, Wei Yang, and Alan S. Go, on behalf of the Chronic Renal Insufficiency Cohort (CRIC) Study Investigators and , the Assessment, Serial Evaluation, and Subsequent Sequelae of Acute Kidney Injury (ASSESS-AKI) Study

1282 **★Osmoregulation Performance and Kidney Transplant Outcome**

Manal Mazloum, Jordan Jouffroy, François Brazier, Christophe Legendre, Antoine Neuraz, Nicolas Garcelon, Dominique Prié, Dany Anglicheau, and Frank Bienaimé

- See related editorial by Bichet (pp. 1141–1143).

1294 **★Safety of a Restrictive versus Liberal Approach to Red Blood Cell Transfusion on the Outcome of AKI in Patients Undergoing Cardiac Surgery: A Randomized Clinical Trial**

Amit X. Garg, Neal Badner, Sean M. Bagshaw, Meaghan S. Cuerden, Dean A. Fergusson, Alexander J. Gregory, Judith Hall, Gregory M. T. Hare, Boris Khanykin, Shay McGuinness, Chirag R. Parikh, Pavel S. Roshanov, Nadine Shehata, Jessica M. Sontrop, Summer Syed, George I. Tagarakis, Kevin E. Thorpe, Subodh Verma, Ron Wald, Richard P. Whitlock, and C. David Mazer for the TRICS Investigators and Perioperative Anesthesia Clinical Trials Group

- See related editorial by Macdougall and Richards (pp. 1143–1144).

1305 **Soluble Urokinase Plasminogen Activator Receptor and Decline in Kidney Function in Autosomal Dominant Polycystic Kidney Disease**

Salim S. Hayek, Douglas P. Landsittel, Changli Wei, Martin Zeier, Alan S.L. Yu, Vicente E. Torres, Sharin Roth, Christina S. Pao, and Jochen Reiser

1314 **★Trends in Angiotensin-Converting Enzyme Inhibitor and Angiotensin II Receptor Blocker Use among Those with Impaired Kidney Function in the United States**

Daniel P. Murphy, Paul E. Drawz, and Robert N. Foley

1322 **★Human Tissue-Resident Mucosal-Associated Invariant T (MAIT) Cells in Renal Fibrosis and CKD**

Becker M. P. Law, Ray Wilkinson, Xiangju Wang, Katrina Kildey, Kurt Giuliani, Kenneth W. Beagley, Jacobus Ungerer, Helen Healy, and Andrew J. Kassianos

- See related editorial by Sawitzki (pp. 1145–1146).

LETTERS TO THE EDITOR

1337 **Confounding of Race/Ethnicity and Age in the Survival among Veterans Obtaining Dialysis in VA and Non-VA Settings**

Guofen Yan

1338 **Authors' Reply**

Virginia Wang, Cynthia J. Coffman, Ann M. O'Hare, and Matthew L. Maciejewski

1339 **The Case for Selective Withdrawal of Antidepressants in Patients with Advanced Kidney Disease**

Joseph Chilcot and Ken Farrington

1340 **Authors' Reply**

Magdalene M. Assimon and Jennifer E. Flythe