

This Month's Highlights

UP FRONT MATTERS

Editorials

- 885 **IL-17A in Experimental Glomerulonephritis: Where Does It Come from?**
Meghan E. Free and Ronald J. Falk
• See related article by Gan et al. (pp. 925–931).
- 886 **Caspase-12 and Diabetic Nephropathy: From Mice to Men?**
Maria D. Sanchez-Niño, Ana B. Sanz, and Alberto Ortiz
• See related article by Brezniceanu et al. (pp. 943–954).
- 888 **Renal Donation after Cardiac Death**
Nicholas Shah and Anthony Langone
• See related article by Snoeijjs et al. (pp. 1015–1021).
- 890 **Size Matters in Renal Allograft Survival**
Ron Shapiro
• See related brief review by Luyckx and Brenner (pp. 898–910) and related article by Giral et al. (pp. 1022–1029).
- 891 **Randomized Intervention Studies in Human Polycystic Kidney and Liver Disease**
Robert W. Schrier
• See related articles by Perico et al. (pp. 1031–1040) and Hogan et al. (pp. 1052–1061).

Occasional Observation

- 894 **Some Observations on the Clinical Approach to Metabolic Acidosis**
Mitchell L. Halperin and Kamel S. Kamel

Brief Review

- 898 **The Clinical Importance of Nephron Mass**
Valerie A. Luyckx and Barry M. Brenner
• See related editorial by Shapiro (pp. 890–891) and related article by Giral et al. (pp. 1022–1029).

Special Article

- 911 **Dysfunctional Endothelial Progenitor Cells in Chronic Kidney Disease**
Michael S. Goligorsky, Kaoru Yasuda, and Brian Ratliff

Science in Renal Medicine

- 920 **Secondary Responses to Altered Acid-Base Status: The Rules of Engagement**
Horacio J. Adrogué and Nicolaos E. Madias

BRIEF COMMUNICATION

- 925 ★ **Th17 Cells Promote Autoimmune Anti-Myeloperoxidase Glomerulonephritis**
Poh-Yi Gan, Oliver M. Steinmetz, Diana S.Y. Tan, Kim M. O'Sullivan, Joshua D. Ooi, Yoichiro Iwakura, A. Richard Kitching, and Stephen R. Holdsworth
• See related editorial by Free and Falk (pp. 885–886).

BASIC RESEARCH

- 933 **IL-10/TGF- β -Modified Macrophages Induce Regulatory T Cells and Protect against Adriamycin Nephrosis**
Qi Cao, Yiping Wang, Dong Zheng, Yan Sun, Ya Wang, Vincent W.S. Lee, Guoping Zheng, Thian Kui Tan, Jon Ince, Stephen I. Alexander, and David C.H. Harris
- 943 **Reactive Oxygen Species Promote Caspase-12 Expression and Tubular Apoptosis in Diabetic Nephropathy**
Marie-Luise Brezniceanu, Cara J. Lau, Nicolas Godin, Isabelle Chénier, Alain Duclos, Jean Éthier, Janos G. Filep, Julie R. Ingelfinger, Shao-Ling Zhang, and John S.D. Chan
• See related editorial by Sanchez-Niño et al. (pp. 886–888).

955 Activation of Sphingosine-1-Phosphate 1 Receptor in the Proximal Tubule Protects Against Ischemia-Reperfusion Injury

Amandeep Bajwa, Sang-Kyung Jo, Hong Ye, Liping Huang, Krishna R. Dondeti, Diane L. Rosin, Volker H. Haase, Timothy L. Macdonald, Kevin R. Lynch, and Mark D. Okusa

966 ★ Vitamin D Receptor Attenuates Renal Fibrosis by Suppressing the Renin-Angiotensin System

Yan Zhang, Juan Kong, Dilip K. Deb, Anthony Chang, and Yan Chun Li

974 CCR6 Recruits Regulatory T Cells and Th17 Cells to the Kidney in Glomerulonephritis

Jan-Eric Turner, Hans-Joachim Paust, Oliver M. Steinmetz, Anett Peters, Jan-Hendrik Riedel, Annette Erhardt, Claudia Wegscheid, Joachim Velden, Susanne Fehr, Hans-Willi Mittrücker, Gisa Tiegs, Rolf A.K. Stahl, and Ulf Panzer

986 Stimulation of Renin Secretion by Angiotensin II Blockade is Gs α -Dependent

Limeng Chen, Soo Mi Kim, Christoph Eisner, Mona Oppermann, Yuning Huang, Diane Mizel, Lingli Li, Min Chen, Maria Luisa Sequeira Lopez, Lee S. Weinstein, Roberto A. Gomez, Jurgen Schnermann, and Josephine P. Briggs

993 ★ Hydrogen Sulfide Inhibits Plasma Renin Activity

Ming Lu, Yi-Hong Liu, Hong Swen Goh, Josh Jia Xing Wang, Qian-Chen Yong, Rui Wang, and Jin-Song Bian

1003 ATF3-Mediated Epigenetic Regulation Protects against Acute Kidney Injury

Hsiao-Fen Li, Ching-Feng Cheng, Wei-Ju Liao, Heng Lin, and Ruey-Bing Yang

CLINICAL EPIDEMIOLOGY

1015 ★ Kidneys from Donors after Cardiac Death Provide Survival Benefit

Maarten G. Snoeijs, Douglas E. Schaubel, Ronald Hené, Andries J. Hoitsma, Mirza M. Idu, Jan N. Ijzermans, Rutger J. Ploeg, Jan Ringers, Maarten H. Christiaans, Wim A. Buurman, and L.W. Ernest van Heurn

• See related editorial by Shah and Langone (pp. 888–890).

1022 Kidney and Recipient Weight Incompatibility Reduces Long-Term Graft Survival

Magali Giral, Yohann Foucher, Georges Karam, Yann Labrune, Michelle Kessler, Bruno Hurault de Ligny, Mathias Büchler, François Bayle, Carole Meyer, Nathalie Trehet, Pascal Daguin, Karine Renaudin, Anne Moreau, and Jean Paul Soulillou

• See related editorial by Shapiro (pp. 890–891) and related brief review by Luyckx and Brenner (pp. 898–910).

CLINICAL RESEARCH

1031 ★ Sirolimus Therapy to Halt the Progression of ADPKD

Norberto Perico, Luca Antiga, Anna Caroli, Piero Ruggenenti, Giorgio Fasolini, Mariateresa Cafaro, Patrizia Ondei, Nadia Rubis, Olimpia Diadei, Giulia Gherardi, Silvia Prandini, Andrea Panozo, Rodolfo Flores Bravo, Sergio Carminati, Felipe Rodriguez De Leon, Flavio Gaspari, Monica Cortinovic, Nicola Motterlini, Bogdan Ene-Iordache, Andrea Remuzzi, and Giuseppe Remuzzi

• See related editorial by Schrier (pp. 891–893).

1041 Metabolite Profiling Identifies Markers of Uremia

Eugene P. Rhee, Amanda Souza, Laurie Farrell, Martin R. Pollak, Gregory D. Lewis, David J.R. Steele, Ravi Thadhani, Clary B. Clish, Anna Greka, and Robert E. Gerszten

1052 ★ Randomized Clinical Trial of Long-Acting Somatostatin for Autosomal Dominant Polycystic Kidney and Liver Disease

Marie C. Hogan, Tetyana V. Masyuk, Linda J. Page, Vickie J. Kubly, Eric J. Bergstralh, Xujian Li, Bohyun Kim, Bernard F. King, James Glockner, David R. Holmes III, Sandro Rossetti, Peter C. Harris, Nicholas F. LaRusso, and Vicente E. Torres

• See related editorial by Schrier (pp. 891–893).

1062 ERRATUM