This Month’s Highlights

UP FRONT MATTERS

Editorials

Epigenetic Unsilencing Reverses Renal Fibrosis
Debra F. Higgins and Madeline Murphy
• See related article by Tampe et al. (pp. 905–912).

All of the Twos, 22—Bingo!
Andrew J. Rees
• See related articles by Xu et al. (pp. 967–977); and Kulkarni et al. (pp. 978–989).

Endothelin Antagonists in Diabetic Nephropathy: Back to Basics
Kiran Chandrashekar and Luis A. Juncos
• See related articles by Lenoir et al. (pp. 1050–1062); and de Zeeuw et al. (pp. 1083–1093).

HDL in CKD: How Good Is the “Good Cholesterol?”
Ian H. de Boer and John D. Brunzell
• See related article by Zewinger et al. (pp. 1073–1082).

Clinical Commentary

An Inadvertent but Explicable Error in Calculating Number Needed to Treat for Reporting Survival Data
Sudhir K. Bowry, Volker Schoder, and Christian Apel

Brief Reviews

Challenges and Advances in the Treatment of AKI
Gur P. Kaushal and Sudhir V. Shah

Volatile Anesthetics and AKI: Risks, Mechanisms, and a Potential Therapeutic Window
Kyota Fukazawa and H. Thomas Lee

Special Articles

ASN Presidential Address 2013: Innovation and Individualization—The Path Forward for Nephrology
Bruce A. Molitoris

The Kidney Research Predicament
Lisa Bryan, Tod Ibrahim, Roy Zent, and Michael J. Fischer

BRIEF COMMUNICATIONS

Tet3-Mediated Hydroxymethylation of Epigenetically Silenced Genes Contributes to Bone Morphogenic Protein 7-Induced Reversal of Kidney Fibrosis
Björn Tampe, Desiree Tampe, Claudia A. Müller, Hikaru Sugimoto, Valerie LeBleu, Xingbo Xu, Gerhard A. Müller, Elisabeth M. Zeisberg, Raghu Kalluri, and Michael Zeisberg
• See related editorial by Higgins and Murphy (pp. 865–866).

Nonlinear Trajectory of GFR in Children before RRT
Yichen Zhong, Alvaro Muñoz, George J. Schwartz, Bradley A. Warady, Susan L. Furth, and Alison G. Abraham

Neonatal Fc Receptor Promotes Immune Complex–Mediated Glomerular Disease
Florina Olaru, Wentian Luo, Hani Suleiman, Patricia L. St. John, Linna Ge, Adam R. Mezo, Andrey S. Shaw, Dale R. Abrahamson, Jeffrey H. Miner, and Dorin-Bogdan Borza

BASIC RESEARCH

Extensive Podocyte Loss Triggers a Rapid Parietal Epithelial Cell Response
Samy Hakroush, Angelika Cebulla, Thomas Schaldecker, Daniel Behr, Peter Mundel, and Astrid Weins

Global Analysis Reveals the Complexity of the Human Glomerular Extracellular Matrix
Rachel Lennon, Adam Byron, Jonathan D. Humphries, Michael J. Randles, Alex Carisey, Stephanie Murphy, David Knight, Paul E. Brenchley, Roy Zent, and Martin J. Humphries

Red star ★ indicates articles that are features in This Month’s Highlights.
Glomerular Cell Cross-Talk Influences Composition and Assembly of Extracellular Matrix  
Adam Byron, Michael J. Randles, Jonathan D. Humphries, Aleksandr Mironov, Helleyeh Hamidi, Shelley Harris, Peter W. Mathieson, Moin A. Saleem, Simon C. Satchell, Roy Zent, Martin J. Humphries, and Rachel Lennon

IL-22 Ameliorates Renal Ischemia-Reperfusion Injury by Targeting Proximal Tubule Epithelium  
Ming-Jiang Xu, Dechun Feng, Hua Wang, Youfei Guan, Xiaoqiang Yan, and Bin Gao

* See related editorial by Rees (pp. 866–869).

Toll-Like Receptor 4–Induced IL-22 Accelerates Kidney Regeneration  
Onkar P. Kulkami, Ingo Hartter, Shrikant R. Mulay, Jan Hagemann, Murthy N. Darisipudi, Santhosh Kumar VR, Simone Romoli, Dana Thomasova, Mi Ryu, Sebastian Kobold, and Hans-Joachim Anders

* See related editorial by Rees (pp. 866–869).

Enhanced Formation and Disordered Regulation of NETs in Myeloperoxidase-ANCA–Associated Microscopic Polyangiitis  
Daigo Nakazawa, Haruki Shida, Utano Tomaru, Masaharu Yoshida, Saori Nishio, Tatsuya Atsumi, and Akihiro Ishizu

Renal Cortical Pyruvate Depletion during AKI  
Richard A. Zager, Ali C.M. Johnson, and Kirsten Becker

Syndecan-4 Knockout Leads to Reduced Extracellular Transglutaminase-2 and Protects against Tubulointerstitial Fibrosis  
Alessandra Scarpellini, Linghong Huang, Izhar Burhan, Nina Schroeder, Muriel Funck, Timothy S. Johnson, and Elisabetta A.M. Verderio

* See related editorial by Chandrashekar and Juncos (pp. 869–871).

Cubilin Maintains Blood Levels of HDL and Albumin  
Obaidullah Aseem, Brian T. Smith, Marion A. Cooley, Brent A. Wilkerson, Kelley M. Argraves, Alan T. Remaley, and W. Scott Argraves

Genetics of New-Onset Diabetes after Transplantation  
Jennifer A. McCaughan, Amy Jayne McKnight, and Alexander P. Maxwell

Direct Action of Endothelin-1 on Podocytes Promotes Diabetic Glomerulosclerosis  

* See related editorial by Chandrashekar and Juncos (pp. 869–871).

CLINICAL EPIDEMIOLOGY

Urinary Biomarkers of AKI and Mortality 3 Years after Cardiac Surgery  
Steven G. Coca, Amit X. Garg, Heather Thiessen-Philbrook, Jay L. Koyner, Uptal D. Patel, Harlan M. Krumholz, Michael G. Shlipak, and Chirag R. Parikh, for the TRIBE-AKI Consortium

HDL Cholesterol Is Not Associated with Lower Mortality in Patients with Kidney Dysfunction  
Stephen Zewinger, Thimoteus Speer, Marcus E. Kleber, Hubert Scharnagl, Rainer Woitas, Philipp M. Lepper, Karolin Pfahler, Sarah Seiler, Gunnar H. Heine, Winfried März, Günther Silbernagel, and Danilo Fliser

* See related editorial by de Boer and Brunzell (pp. 871–874).

CLINICAL RESEARCH

The Endothelin Antagonist Atrasentan Lowers Residual Albuminuria in Patients with Type 2 Diabetic Nephropathy  

* See related editorial by Chandrashekar and Juncos (pp. 869–871).

Long-Term Effects of Spironolactone in Peritoneal Dialysis Patients  
Yasuhiro Ito, Masashi Mizuno, Yasuhiro Suzuki, Hirofumi Tamai, Takeyuki Hiramatsu, Hiroshige Ohashi, Isao Ito, Hirokata Kasuga, Masanobu Horie, Shoichi Maruyama, Yukio Yuzawa, Tatsuki Matsubara, and Seiichi Matsuo, on behalf of the Nagoya Spiro Study Group
Intensive Hemodialysis Associates with Improved Pregnancy Outcomes: A Canadian and United States Cohort Comparison
Michelle A. Hladunewich, Susan Hou, Ayodele Odutayo, Tom Cornelis, Andreas Pierratos, Marc Goldstein, Karthik Tennankore, Johannes Keunen, Dini Hui, and Christopher T. Chan

Clinical Findings, Pathology, and Outcomes of C3GN after Kidney Transplantation

Estimating Podocyte Number and Density Using a Single Histologic Section
Madhusudan Venkatareddy, Su Wang, Yan Yang, Sanjeevkumar Patel, Larysa Wickman, Ryuzoh Nishizono, Mahboob Chowdhury, Jeffrey Hodgin, Paul A. Wiggins, and Roger C. Wiggins

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