

This Month's Highlights

UP FRONT MATTERS

Editorials

- 833 **High-Molecular Weight Iron Dextran: A Wolf in Sheep's Clothing?**
George M. Rodgers, Michael Auerbach, David Cella, Glenn M. Chertow, Daniel W. Coyne, John A. Glaspy, and David H. Henry
- 834 **Some Assembly Required: Renal Hypodysplasia and the Problem with Faulty Parts**
Iain A. Drummond
• See related article by Weber et al. (pp. 891–903).
- 837 **Perinatal Nephron Programming Is not So Sweet in Maternal Diabetes**
Dale R. Abrahamson and Brooke M. Steenhard
• See related article by Tran et al. (pp. 943–952).
- 839 **Toward the Promise of Renal Replacement Therapy**
Glenn M. Chertow and Sushrut S. Waikar
• See related article by Tumlin et al. (pp. 1034–1040).
- 840 **The Appearance of Brief Communications in JASN**
Eric G. Neilson

Occasional Observations

- 841 **The Secret of Immortal Time Bias in Epidemiologic Studies**
Salimah Z. Shariff, Meaghan S. Cuerden, Arsh K. Jain, and Amit X. Garg

Clinical Commentary

- 844 **Staging of Chronic Kidney Disease: Time for a Course Correction**
Carolyn Bauer, Michal L. Melamed, and Thomas H. Hostetter

Brief Review

- 847 **Vesicoureteral Reflux**
Gabrielle Williams, Jeffery T. Fletcher, Stephen I. Alexander, and Jonathan C. Craig

Special Article

- 863 **A Bench to Bedside View of Uremic Toxins**
Raymond Vanholder, Ulrich Baurmeister, Philippe Brunet, Gerald Cohen, Griet Glorieux, and Joachim Jankowski for the European Uremic Toxin Work Group

Pathophysiology of the Renal Biopsy

- 871 **Acute Tubular Necrosis Is a Syndrome of Physiologic and Pathologic Dissociation**
Seymour Rosen and Isaac E. Stillman

BRIEF COMMUNICATIONS

- 877 **HIV-1 Upregulates VEGF in Podocytes**
Sonal Navin Korgaonkar, Xiaobei Feng, Michael D. Ross, Ting-chi Lu, Vivette D'Agati, Ravi Iyengar, Paul E. Klotman, and John Cijiang He
- 884 **The Role of Osteopontin in the Development of Albuminuria**
Johan Lorenzen, Rajshree Shah, Alisha Biser, Serban A. Staicu, Thiruvur Niranjan, Ana Maria Garcia, Antje Gruenwald, David B. Thomas, Ibrahim F. Shatat, Katarine Supe, Robert P. Woroniecki, and Katalin Susztak

BASIC RESEARCH

- 891 ★ **SIX2 and BMP4 Mutations Associate With Anomalous Kidney Development**
Stefanie Weber, Jaclyn C. Taylor, Paul Winyard, Kari F. Baker, Jessica Sullivan-Brown, Raphael Schild, Tanja Knüppel, Aleksandra M. Zurowska, Alberto Caldas-Alfonso, Mieczyslaw Litwin, Sevinc Emre, Gian Marco Ghiggeri, Aysin Bakkaloglu, Otto Mehls, Corinne Antignac, Escape Network, Franz Schaefer, and Rebecca D. Burdine
• See related editorial by Drummond et al. (pp. 834–836).

- 904 The Death Ligand TRAIL in Diabetic Nephropathy**
Corina Lorz, Alberto Benito-Martín, Anissa Boucherot, Alvaro C. Uceró, María Pia Rastaldi, Anna Henger, Silvia Armelloni, Beatriz Santamaría, Celine C. Berthier, Matthias Kretzler, Jesus Egido, and Alberto Ortiz
- 915 Preconditioning with Endoplasmic Reticulum Stress Ameliorates Mesangioproliferative Glomerulonephritis**
Reiko Inagi, Takanori Kumagai, Hiroshi Nishi, Takahisa Kawakami, Toshio Miyata, Toshiro Fujita, and Masaomi Nangaku
- 923 ★ TLR4 Signaling Mediates Inflammation and Tissue Injury in Nephrotoxicity**
Binzhi Zhang, Ganesan Ramesh, Satoshi Uematsu, Shizuo Akira, and W. Brian Reeves
- 933 Poly(ADP-Ribose) Polymerase-1 Enhances Transcription of the Profibrotic CCN2 Gene**
Hirokazu Okada, Tsutomu Inoue, Tomohiro Kikuta, Nobutaka Kato, Yoshihiko Kanno, Narumi Hirosawa, Yasushi Sakamoto, Takeshi Sugaya, and Hiromichi Suzuki
- 943 Maternal Diabetes Modulates Renal Morphogenesis in Offspring**
Stella Tran, Yun-Wen Chen, Isabelle Chenier, John S.D. Chan, Susan Quaggin, Marie-Josée Hébert, Julie R. Ingelfinger, and Shao-Ling Zhang
• See related editorial by Abrahamson and Steenhard (pp. 837–839).
- 953 TL1A Both Promotes and Protects from Renal Inflammation and Injury**
Rafia S. Al-Lamki, Jun Wang, Aviva M. Tolkovsky, J. Andrew Bradley, Jules L. Griffin, Sathia Thiru, Eddie C.Y. Wang, Eleanor Bolton, Wang Min, Paul Moore, Jordan S. Pober, and John R. Bradley
- 961 RAGE Mediates Podocyte Injury in Adriamycin-induced Glomerulosclerosis**
Jiancheng Guo, Radha Ananthakrishnan, Wu Qu, Yan Lu, Nina Reiniger, Shan Zeng, Wanchao Ma, Rosa Rosario, Shi Fang Yan, Ravichandran Ramasamy, Vivette D'Agati, and Ann Marie Schmidt
- 973 ★ Mechanisms of ANCA-Mediated Leukocyte-Endothelial Cell Interactions *In Vivo***
Sarah L. Nolan, Neena Kalia, Gerard B. Nash, Dia Kamel, Peter Heeringa, and Caroline O.S. Savage
- CLINICAL EPIDEMIOLOGY**
- 985 Survival in Bladder and Renal Cell Cancers Is Familial**
Jianguang Ji, Asta Försti, Jan Sundquist, Per Lenner, and Kari Hemminki
- 992 ★ Association of Albuminuria and Cancer Incidence**
Lone Jørgensen, Ivar Heuch, Trond Jenssen, and Bjarne K. Jacobsen
- CLINICAL RESEARCH**
- 999 Effects of Dietary Sodium and Hydrochlorothiazide on the Antiproteinuric Efficacy of Losartan**
Liffert Vogt, Femke Waanders, Frans Boomsma, Dick de Zeeuw, and Gerjan Navis
- 1008 Aberrant IgA1 Glycosylation Is Inherited in Familial and Sporadic IgA Nephropathy**
Ali G. Gharavi, Zina Moldoveanu, Robert J. Wyatt, Catherine V. Barker, Susan Y. Woodford, Richard P. Lifton, Jiri Mestecky, Jan Novak, and Bruce A. Julian
- 1015 ★ Reciprocal Regulation of Plasma Apelin and Vasopressin by Osmotic Stimuli**
Michel Azizi, Xavier Iturrioz, Anne Blanchard, Séverine Peyrard, Nadia De Mota, Nicolas Chartrel, Hubert Vaudry, Pierre Corvol, and Catherine Llorens-Cortes
- 1025 IL5RA and TNFRSF6B Gene Variants Are Associated With Sporadic IgA Nephropathy**
Xiao-Qing Liu, Andrew D. Paterson, Ning He, Peter St. George-Hyslop, Virpi Rauta, Carola Gronhagen-Riska, Markku Laakso, Lise Thibaudin, Francois Berthou, Daniel Cattran, and York Pei
- 1034 ★ Efficacy and Safety of Renal Tubule Cell Therapy for Acute Renal Failure**
James Tumlin, Ravinder Wali, Winfred Williams, Patrick Murray, Ashita J. Tolwani, Anna K. Vinnikova, Harold M. Szerlip, Jiuming Ye, Emil P. Paganini, Lance Dworkin, Kevin W. Finkel, Michael A. Kraus, and H. David Humes
• See related editorial by Chertow and Waikar (pp. 839–840).