

This Month's Highlights

UP FRONT MATTERS

Editorials

- 1777 **Phosphate REINs in the Renoprotective Benefit of ACE Inhibition**
Geoffrey A. Block and Myles Wolf
• See related article by Zocalli et al. (pp. 1923–1930).
- 1779 **Is There Something Better than the Best Marker of Kidney Function?**
Brad C. Astor and Nrupen A. Bhavsar
• See related article by Hsu et al. (pp. 1931–1937).
- 1781 **Antimicrobial Catheter Locks: Searching for the Ideal Solution**
Anthony J. Bleyer and Mariana Murea
• See related article by Campos et al. (pp. 1939–1945).
- 1783 **Autoantibodies: What's in Their Teeth?**
Aleeza J. Roth and Ronald J. Falk
• See related article by Olson et al. (pp. 1946–1952).

Brief Reviews

- 1785 **Current Therapy for IgA Nephropathy**
Jürgen Floege and Frank Eitner
- 1795 **The Pathophysiology of IgA Nephropathy**
Hitoshi Suzuki, Krzysztof Kiryluk, Jan Novak, Zina Moldoveanu, Andrew B. Herr, Matthew B. Renfrow, Robert J. Wyatt, Francesco Scolari, Jiri Mestecky, Ali G. Gharavi, and Bruce A. Julian
- Pathophysiology of the Renal Biopsy**
- 1804 **Membranous Nephropathy with Crescents**
Amanda Walton Basford, Julia Lewis, Jamie P. Dwyer, and Agnes B. Fogó

BRIEF COMMUNICATIONS

- 1809 ★ **Macrophages Promote Cyst Growth in Polycystic Kidney Disease**
Anil Karihaloo, Farrukh Koraishy, Sarah C. Huen, Yashang Lee, David Merrick, Michael J. Caplan, Stefan Somlo, and Lloyd G. Cantley
- 1815 ★ **Exome Sequencing Reveals Cubilin Mutation as a Single-Gene Cause of Proteinuria**
Bugsu Ovunc, Edgar A. Otto, Virginia Vega-Warner, Pawaree Saisawat, Shazia Ashraf, Gokul Ramaswami, Hanan M. Fathy, Dominik Schoeb, Gil Chernin, Robert H. Lyons, Engin Yilmaz, and Friedhelm Hildebrandt

BASIC RESEARCH

- 1821 **Distinct Roles of CSF-1 Isoforms in Lupus Nephritis**
Julia Menke, Yasunori Iwata, Whitney A. Rabacal, Ranu Basu, E. Richard Stanley, and Vicki R. Kelley
- 1834 ★ **Astrocytes Are an Early Target in Osmotic Demyelination Syndrome**
Fabrice Gankam Kengne, Charles Nicaise, Alain Soupart, Alain Boom, Johan Schiettecatte, Roland Pochet, Jean Pierre Brion, and Guy Decaux
- 1846 **AMPK Mediates the Initiation of Kidney Disease Induced by a High-Fat Diet**
Anne-Emilie Declèves, Anna V. Mathew, Robyn Cunard, and Kumar Sharma
- 1856 **Warfarin-Related Nephropathy Modeled by Nephron Reduction and Excessive Anticoagulation**
Kyle Ware, Polina Brodsky, Anjali A. Satoskar, Tibor Nadasdy, Gyongyi Nadasdy, Haifeng Wu, Brad H. Rovin, Udayan Bhatt, Jon Von Visger, Lee A. Hebert, and Sergey V. Brodsky

1863 Valproic Acid Attenuates Proteinuria and Kidney Injury
Katrien Van Beneden, Caroline Geers,
Marina Pauwels, Inge Mannaerts, Dierik Verbeelen,
Leo A. van Grunsven, and
Christiane Van den Branden

1876 CXCL16 Recruits Bone Marrow-Derived Fibroblast Precursors in Renal Fibrosis
Gang Chen, Song-Chang Lin,
Jiyuan Chen, Liqun He, Feixia Dong, Jing Xu,
Shuhua Han, Jie Du, Mark L. Entman, and
Yanlin Wang

1887 $B\beta_{15-42}$ Attenuates the Effect of Ischemia-Reperfusion Injury in Renal Transplantation
Inga Sörensen, Song Rong, Nathan Susnik,
Faikah Gueler, Nelli Shushakova, Melanie Albrecht,
Anna-Maria Dittrich, Sibylle von Vietinghoff,
Jan Ulrich Becker, Anette Melk, Andrea Bohlmann,
Sonja Reingruber, Peter Petzelbauer, Hermann Haller,
and Roland Schmitt

1897 AMPK Potentiates Hypertonicity-induced Apoptosis by Suppressing $NF\kappa B/COX-2$ in Medullary Interstitial Cells
Qifei Han, Xiaoyan Zhang, Rui Xue, Hang Yang,
Yunfeng Zhou, Xiaomu Kong, Pan Zhao, Jing Li,
Jichun Yang, Yi Zhu, and Youfei Guan

CLINICAL EPIDEMIOLOGY

1913 FGF-23 Associates with Death, Cardiovascular Events, and Initiation of Chronic Dialysis
Jessica Kendrick, Alfred K. Cheung,
James S. Kaufman, Tom Greene,
William L. Roberts, Gerard Smits, Michel Chonchol,
and the HOST Investigators

1923 ★ Phosphate May Promote CKD Progression and Attenuate Renoprotective Effect of ACE Inhibition
Carmine Zoccali, Piero Ruggenenti, Annalisa Perna,
Daniela Leonardis, Rocco Tripepi, Giovanni Tripepi,
Francesca Mallamaci, and Giuseppe Remuzzi,
for the REIN Study Group
• See related editorial by Block and Wolf (pp. 1777–1779).

1931 Measured GFR Does Not Outperform Estimated GFR in Predicting CKD-related Complications
Chi-yuan Hsu, Kathleen Propert, Dawei Xie,
Lee Hamm, Jiang He, Edgar Miller, Akinlolu Ojo,
Michael Shlipak, Valerie Teal, Raymond Townsend,
Matthew Weir, Jillian Wilson, and Harold Feldman,
for the CRIC Investigators
• See related editorial by Astor and Bhavsar
(pp. 1779–1781).

CLINICAL RESEARCH

1939 ★ Minocycline-EDTA Lock Solution Prevents Catheter-Related Bacteremia in Hemodialysis
Rodrigo Peixoto Campos,
Marcelo Mazza do Nascimento,
Domingos Candiota Chula, and
Miguel Carlos Riella
• See related editorial by Bleyer and Murea
(pp. 1781–1782).

1946 ★ Asymptomatic Autoantibodies Associate with Future Anti-glomerular Basement Membrane Disease
Stephen W. Olson, Charles B. Arbogast,
Thomas P. Baker, David Owshalimpur,
David K. Oliver, Kevin C. Abbott, and
Christina M. Yuan
• See related editorial by Roth and Falk (pp. 1783–
1784).

1953 ERRATUM