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

Pathophysiology of the Renal Biopsy
1804 Membranous Nephropathy with Crescents
Amanda Walton Basford, Julia Lewis, Jamie P. Dwyer, and Agnes B. Fogo

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

BASIC RESEARCH
1821 Distinct Roles of CSF-1 Isoforms in Lupus Nephritis

1834 ★ Astrocytes Are an Early Target in Osmotic Demyelination Syndrome
Fabrice Gankam Kenge, 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

Red star ★ indicates articles that are features in This Month’s Highlights.
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

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

B15–42 Attenuates the Effect of Ischemia-Reperfusion Injury in Renal Transplantation
Inga Sö rensen, 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

AMPK Potentiates Hypertonicity-induced Apoptosis by Suppressing NFκB/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

FGF-23 Associates with Death, Cardiovascular Events, and Initiation of Chronic Dialysis

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

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

CLINICAL RESEARCH

Minocycline-EDTA Lock Solution Prevents Catheter-Related Bacteremia in Hemodialysis
Rodrigo Peixoto Campos, Marcelo Mazza do Nascimento, Domingos Candida Chula, and Miguel Carlos Riella

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

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 EPIDEMIOLOGY

Minocycline-EDTA Lock Solution Prevents Catheter-Related Bacteremia in Hemodialysis
Rodrigo Peixoto Campos, Marcelo Mazza do Nascimento, Domingos Candida Chula, and Miguel Carlos Riella

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).

ERRATUM

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).