This Month’s Highlights

UP FRONT MATTERS

Editorials
329 Lipid Kinase Mutations in Heritable Glomerular Microangiopathy
Alfred L. George Jr.
See related article by Ozaltin et al. (pp. 377–384).

330 A New Look at Tubulointerstitial Communication with Exosomes
Hirokazu Okada
See related article by Borges et al. (pp. 385–392).

332 Has the Time Now Come to More Widely Accept Hemodiafiltration in the United States?
Peter J. Blankestijn
See related article by Maduell et al. (pp. 487–497).

334 Can Frequent Hemodialysis Be Too Frequent?
Jeffrey S. Berns and Laura M. Dember
See related article by Suri et al. (pp. 498–505).

Brief Reviews
337 Frailty and Protein-Energy Wasting in Elderly Patients with End Stage Kidney Disease
Jun Chul Kim, Kamyar Kalantar-Zadeh, and Joel D. Kopple

353 Cognitive Disorders and Dementia in CKD: The Neglected Kidney-Brain Axis
Jean-Marc Bugnicourt, Olivier Godefroy, Jean-Marc Chillon, Gabriel Choukroun, and Ziad A. Massy

Special Article
364 Expert Guidelines for the Management of Alport Syndrome and Thin Basement Membrane Nephropathy
Judy Savige, Martin Gregory, Oliver Gross, Clifford Kashtan, Jie Ding, and Frances Flinter

BRIEF COMMUNICATIONS
377 DGKE Variants Cause a Glomerular Microangiopathy That Mimics Membranoproliferative GN
See related editorial by George Jr. (pp. 329–330).

385 TGF-β1–Containing Exosomes from Injured Epithelial Cells Activate Fibroblasts to Initiate Tissue Regenerative Responses and Fibrosis
Fernanda T. Borges, Sonia A. Melo, Berna C. Özdemir, Noritoshi Kato, Ignacio Revuelta, Caroline A. Miller, Vincent H. Gattone II, Valerie S. LeBlu, and Raghu Kalluri
See related editorial by Okada (pp. 330–332).

BASIC RESEARCH
393 IgM Contributes to Glomerular Injury in FSGS
Derek Strassheim, Brandon Renner, Sarah Panzer, Richard Fuquay, Liudmila Kulik, Danica Ljubanović, V. Michael Holers, and Joshua M. Thuman

407 SPAK Differentially Mediates Vasopressin Effects on Sodium Cotransporters

Red star ★ indicates articles that are features in This Month’s Highlights.
419 The HLA-DRB1*15:01–Restricted Goodpasture’s T Cell Epitope Induces GN

433 ★Deletion of von Hippel–Lindau Protein Converts Renin-Producing Cells into Erythropoietin-Producing Cells
Birguel Kurt, Alexander Paliege, Carsten Willam, Ilona Schwarzensteiner, Kathrin Schucht, Hanna Neymeyer, Maria Luisa S. Sequeira-Lopez, Sebastian Bachmann, R. Ariel Gomez, Kai-Uwe Eckardt, and Armin Kurtz

445 Renalase Protects against Ischemic AKI
H. Thomas Lee, Joo Yun Kim, Mihwa Kim, Peili Wang, Lieqi Tang, Sara Baroni, Vivette D. D’Agati, and Gary V. Desir

456 Proximal Tubule Proliferation Is Insufficient to Induce Rapid Cyst Formation after Cilia Disruption
Neeraj Sharma, Erik B. Malarkey, Nicolas F. Berbari, Amber K. O’Connor, Gregory B. Vanden Heuvel, Michal Mrug, and Bradley K. Yoder

CLINICAL EPIDEMIOLOGY

465 ★Associations between Hemodialysis Access Type and Clinical Outcomes: A Systematic Review
Pietro Ravani, Suetonia C. Palmer, Matthew J. Oliver, Robert R. Quinn, Jennifer M. MacRae, Davina J. Tai, Neesh I. Pannu, Chandra Thomas, Brenda R. Hemmelgarn, Jonathan C. Craig, Braden Manns, Marcello Tonelli, Giovanni F. M. Strippoli, and Matthew T. James

475 Combined Complement Gene Mutations in Atypical Hemolytic Uremic Syndrome Influence Clinical Phenotype
Elena Bresin, Erica Rurali, Jessica Caprioli, Pilar Sanchez-Corral, Veronique Fremeaux-Bacchi, Santiago Rodriguez de Cordoba, Sheila Pinto, Timothy H. J. Goodship, Marta Alberti, David Ribes, Elisabetta Valoti, Giuseppe Remuzzi, and Marina Noris, on behalf of the European Working Party on Complement Genetics in Renal Diseases

487 ★High-Efficiency Postdilution Online Hemodiafiltration Reduces All-Cause Mortality in Hemodialysis Patients
Francisco Maduell, Francesc Moreso, Mercedes Pons, Rosa Ramos, Josep Mora-Macià, Jordi Carreras, Jordi Soler, Ferran Torres, Josep M. Campistol, and Alberto Martinez-Castelao, for the ESHOL Study Group
- See related editorial by Blankestijn (pp. 332–334).

498 ★Risk of Vascular Access Complications with Frequent Hemodialysis
Rita S. Suri, Brett Larive, Susan Sherer, Paul Eggers, Jennifer Gassman, Sam H. James, Robert M. Lindsay, Robert S. Lockridge, Daniel B. Ornt, Michael V. Rocco, George O. Ting, Alan S. Kliger, and the Frequent Hemodialysis Network Trial Group
- See related editorial by Berns and Dember (pp. 334–336).

506 Tolerance of the Human Kidney to Isolated Controlled Ischemia
Dipen J. Parekh, Joel M. Weinberg, Barbara Ercole, Kathleen C. Torkko, William Hilton, Michael Bennett, Prasad Devarajan, and Manjeri A. Venkatachalam