Editorials

865  Reassessing Recommendations for Choice of Vascular Access
Timmy Lee and Michael Allon
See related articles on pages 947 and 955.

868  Getting Out of the Phosphate Bind: Trials to Guide Treatment Targets
Robert E. Olivo and Julia J. Scialla
See related article on page 965.

871  Opportunities to Increase Availability of Deceased Donor Kidneys
Richard N. Formica Jr.
See related article on page 974.

Original Articles

Acute Kidney Injury and ICU Nephrology

874  The Diagnosis-Wide Landscape of Hospital-Acquired AKI
Anne-Sophie Jannot, Anita Burgun, Eric Thervet, and Nicolas Pallet

Chronic Kidney Disease

885  Sleep and CKD in Chinese Adults: A Cross-Sectional Study
Junjuan Li, Zhe Huang, Jinhong Hou, Amy M. Sawyer, Zhijun Wu, Jianfang Cai, Gary Curhan, Shouling Wu, and Xiang Gao

893  Comparison between Different Measures of Body Fat with Kidney Function Decline and Incident CKD
Magdalena Madero, Ronit Katz, Rachel Murphy, Anne Newman, Kushang Patel, Joachim Ix, Carmen Peralta, Suzanne Satterfield, Linda Fried, Michael Shlipak, and Mark Sarnak

904  Time-Varying Association of Individual BP Components with eGFR in Late-Stage CKD
Manish M. Sood, Ayub Akbari, Doug Manuel, Marcel Ruzicka, Swapnil Hiremath, Deborah Zimmerman, Brenden McCormick, and Monica Taljaard

912  Albuminuria, Proteinuria, and Renal Disease Progression in Children with CKD
Dana Y. Fuhrman, Michael F. Schneider, Katherine M. Dell, Tom D. Blydt-Hansen, Robert Mak, Jeffrey M. Saland, Susan L. Farthing, Bradley A. Warady, Marva M. Moxey-Mims, and George J. Schwartz

Clinical Nephrology

921  Relation between Kidney Length and Cardiovascular and Renal Risk in High-Risk Patients
Nicolette G.C. van der Sande, Frank L.J. Visseren, Yolanda van der Graaf, Hendrik M. Nathoe, Gert Jan de Borst, Tim Leiner, and Peter J. Blankestijn, on behalf of the SMART Study Group

930  “Maybe They Don’t Even Know That I Exist”: Challenges Faced by Family Members and Friends of Patients with Advanced Kidney Disease
Ann M. O’Hare, Jackie Szarka, Lynne V. McFarland, Elizabeth K. Vig, Rebecca L. Sudore, Susan Crowley, Lynn F. Reinke, Ranak Trivedi, and Janelle S. Taylor
Glomerular and Tubulointerstitial Diseases

940 Kidney Outcomes and Risk Factors for Nephritis (Flare/De Novo) in a Multiethnic Cohort of Pregnant Patients with Lupus
Jill P. Buyon, Mimi Y. Kim, Marta M. Guerra, Sifan Lu, Emily Reeves, Michelle Petri, Carl A. Laskin, Michael D. Lockshin, Lisa R. Sammaritano, D. Ware Branch, T. Flint Porter, Allen Sawitzke, Joan T. Merrill, Mary D. Stephenson, Elisabeth Cohn, and Jane E. Salmon

Maintenance Dialysis

947 Choice of Hemodialysis Access in Older Adults: A Cost-Effectiveness Analysis
Rasheeda K. Hall, Evan R. Myers, Sylvia E. Rosas, Ann M. O’Hare, and Cathleen S. Colón-Emeric
See related editorial on page 865.

955 Examining the Association between Hemodialysis Access Type and Mortality: The Role of Access Complications
Pietro Ravani, Robert Quinn, Matthew Oliver, Bruce Robinson, Ronald Pisoni, Neesh Pannu, Jennifer MacRae, Braden Manns, Brenda Hemmelgarn, Matthew James, Marcello Tonelli, and Brenda Gillespie
See related editorial on page 865.

965 Two phosphAte taRGets in End-stage renal disease Trial (TARGET): A Randomized Controlled Trial
Ron Wald, Christian G. Rabbat, Louis Girard, Amit X. Garg, Karthik Tennankore, Jessica Tyrwhitt, Andrew Smyth, Andrea Rathe-Skafel, Peggy Gao, Andrea Mazzetti, Jackie Bosch, Andrew T. Yan, Patrick Parfrey, Braden J. Manns, and Michael Walsh
See related editorial on page 868.

Transplantation

974 Survival Benefit of Transplantation with a Deceased Diabetic Donor Kidney Compared with Remaining on the Waitlist
Jordana B. Cohen, Kevin C. Eddinger, Jayme E. Locke, Kimberly A. Forde, Peter P. Reese, and Deirdre L. Sawinski
See related editorial on page 871.

Glomerular Disease: Update for the Clinician

983 Primary Membranous Nephropathy
William G. Couser

Kidney Case Conference: Nephrology Quiz and Questionnaire

998 Diarrhea in a Long-Term Kidney-Pancreas Recipient
Margaret J. Bia

Ethics Series

1001 Time to Improve Informed Consent for Dialysis: An International Perspective
Frank Brennan, Cameron Stewart, Hannah Burgess, Sara N. Davison, Alvin H. Moss, Fliss E.M. Murtagh, Michael Germain, Shelley Tranter, and Mark Brown

Feature

1010 Statistical Methods for Cohort Studies of CKD: Prediction Modeling
Jason Roy, Haochang Shou, Dawei Xie, Jesse Y. Hsu, Wei Yang, Amanda H. Anderson, J. Richard Landis, Christopher Jepson, Jiang He, Kathleen D. Liu, Chi-yuan Hsu, and Harold I. Feldman on behalf of the Chronic Renal Insufficiency Cohort (CRIC) Study Investigators
On the Cover

What’s the diagnosis? A 61-year-old man in generally excellent health was referred to the nephrology service with a 10-year history including 8 episodes of recurrent right-sided ureteric colic. Multiple renal stones were submitted for analysis but failed to show any crystalline debris, and were reported as “organic material.” The most recent was called a “gelatinous plug” that demonstrated keratinized debris with some calcium oxalate crystals. Renal imaging studies including ultrasound and computed tomography scanning were reported as normal and specifically no calcifications of the kidney parenchyma or ureter. At nephrology consultation, review of a prior computed tomography study showed a previously unrecognized right calyceal-filling defect. The patient was referred to urology for evaluation. Cystourethroscopy with bilateral pyelography was subsequently performed. The left calyx was normal, but the right kidney demonstrated a calyceal-filling defect. On flexible ureteroscopy, two discrete masses (photographs) were detected within the right renal pelvis. A biopsy was performed. The pathological diagnosis was cholesteatoma without evidence of squamous cell carcinoma, melanoma or other type of malignancy (histologic image). At two-month follow-up, laser ablation of the cholesteatoma was performed by ureteroscopy. Renal cholesteatoma is a rare benign condition with only a few cases reported. Recurrent renal colic is a common presenting feature with passage of desquamated tissue. The risk for recurrence or malignant transformation is unknown. (Images and text provided by Henry Mroch, MD, Providence Health Care, Washington State University, Elson S. Floyd College of Medicine, University of Washington; Raymond Lance, MD, Urologic Oncology, Spokane Urology; Michele Rooney, MD, InCyte Pathology, Spokane, Washington; Katherine Tuttle, MD, Providence Health Care, Division of Nephrology, University of Washington)