1061 Preeclampsia and Subsequent Cardiovascular Disease: Villain or Innocent Bystander?
Sharon E. Maynard
See related article on page 1126.

1064 Cholecalciferol in Chronic Dialysis Patients: Not Strong Enough?
Bryan Kestenbaum and Ian H. de Boer
See related article on page 1143.

1066 Oh! What a Tangled Web We Weave
Neiha Arora and Glenn M. Chertow
See related article on page 1151.

1068 Sodium Thiosulfate: Mythical Treatment for a Mysterious Disease?
W. Charles O’Neill
See related article on page 1162.

Original Articles

Acute Kidney Injury/Acute Renal Failure

1070 Adverse Drug Events during AKI and Its Recovery
Zachary L. Cox, Allison B. McCoy, Michael E. Matheny, Gautam Bhave, Neeraja B. Peterson, Edward D. Siew, Julia Lewis, Ioana Danciu, Aihua Bian, Ayumi Shintani, T. Alp Ikizler, Erin B. Neal, and Josh F. Peterson

1079 Performance of Kidney Injury Molecule-1 and Liver Fatty Acid-Binding Protein and Combined Biomarkers of AKI after Cardiac Surgery
Chirag R. Parikh, Heather Thiessen-Philbrook, Amit X. Garg, Deepak Kadiyala, Michael G. Shlipak, Jay L. Koyner, Charles L. Edelstein, Prasad Devarajan, Uptal D. Patel, Michael Zappitelli, Catherine D. Krawczenki, Cary S. Passik, and Steven G. Coca, for the TRIBE-AKI Consortium

Chronic Kidney Disease

1089 Segmentation of Individual Renal Cysts from MR Images in Patients with Autosomal Dominant Polycystic Kidney Disease
Kyungsoo Bae, Bumwoo Park, Hongliang Sun, Jinhong Wang, Cheng Tao, Arlene B. Chapman, Vicente E. Torres, Jared J. Grantham, Michal Mrug, William M. Bennett, Michael F. Flessner, Doug P. Landsittel, and Kyongtae T. Bae, for the Consortium for Radiologic Imaging Studies of Polycystic Kidney Disease (CRISP)

1098 Association of Plasma Des-acyl Ghrelin Levels with CKD
Rohit K. Gupta, Tamil Kuppusamy, James T. Patrie, Bruce Gaylinn, Jianhua Liu, Michael O. Thorner, and Warren K. Bolton

1106 Glomerular and Tubular Damage Markers in Individuals with Progressive Albuminuria
Ferdau L. Nauta, Lieneke Scheven, Esther Meijer, Wim van Oeveren, Paul E. de Jong, Stephan J.L. Bakker, and Ron T. Gansevoort
Clinical Immunology and Pathology

Association of Urinary Laminin G-Like 3 and Free K Light Chains with Disease Activity and Histological Injury in IgA Nephropathy
Maria Teresa Rocchetti, Massimo Papale, Anna Maria d’Apollo, Ida Valentina Suriano, Anna Maria Di Palma, Grazia Vocino, Eustacchio Montemurno, Leonarda Varraso, Giuseppe Grandaliano, Salvatore Di Paolo, and Loreto Gesualdo

Epidemiology and Outcomes

Preeclampsia and Prevalence of Microalbuminuria 10 Years Later
Miriam Kristine Sandvik, Stein Hallan, Einar Svarstad, and Bjørn Egil Vikse
See related editorial on page 1061.

Short-Term Pretransplant Renal Replacement Therapy and Renal Nonrecovery after Liver Transplantation Alone
Pratima Sharma, Nathan P. Goodrich, Min Zhang, Mary K. Guidinger, Douglas E. Schaubel, and Robert M. Merion

ESRD and Chronic Dialysis

Effects of Cholecalciferol on Functional, Biochemical, Vascular, and Quality of Life Outcomes in Hemodialysis Patients
Nathan A. Hewitt, Alicia A. O’Connor, Denise V. O’Shaughnessy, and Grahame J. Elder
See related editorial on page 1064.

Disentangling the Ultrafiltration Rate–Mortality Association: The Respective Roles of Session Length and Weight Gain
Jennifer E. Flythe, Gary C. Curhan, and Steven M. Brunelli
See related editorial on page 1066.

Sodium Thiosulfate Therapy for Calcific Uremic Arteriolopathy
Sagar U. Nigwekar, Steven M. Brunelli, Debra Meade, Weiling Wang, Jeffrey Hymes, and Eduardo Lacson Jr.
See related editorial on page 1068.

Geographic Variation in Black–White Differences in End-of-Life Care for Patients with ESRD
Bernadette A. Thomas, Rudolph A. Rodriguez, Edward J. Boyko, Cassianne Robinson-Cohen, Annette L. Fitzpatrick, and Ann M. O’Hare

Genetics

Severe Prenatal Renal Anomalies Associated with Mutations in HNF1B or PAX2 Genes
Leire Madariaga, Vincent Morinière, Cécile Jeanpierre, Raymonde Bouvier, Philippe Loget, Jelena Martinovic, Pierre Dechelotte, Nathalie Leporrier, Christel Thauvin-Robinet, Uffe Birk Jensen, Dominique Gaillard, Michele Mathieu, Bruno Turlin, Tania Attie-Bitach, Rémi Salomon, Marie-Claire Gübler, Corinne Antignac, and Laurence Heidet

Health Services Research

Quality of Care for First Nations and Non-First Nations People with Diabetes
Vinay Deved, Nathalie Jette, Hude Quan, Marcello Tonelli, Braden Manns, Andrea Soo, Cheryl Barnabe, and Brenda R. Hemmelgarn, for the Alberta Kidney Disease Network

Hypertension

Vascular and Renal Hemodynamic Changes after Renal Denervation
Christian Ott, Rolf Janka, Axel Schmid, Stephanie Titze, Tilmann Ditting, Paul A. Sobotka, Roland Veelken, Michael Uder, and Roland E. Schmieder

Mineral Metabolism/Bone Disease

24-Hour Urine Phosphorus Excretion and Mortality and Cardiovascular Events
Heather L. Palomino, Dena E. Rifkin, Cheryl Anderson, Michael H. Criqui, Mary A. Whooley, and Joachim H. Ix
Moving Points in Nephrology

1211 Intervventional Nephrology: What the Nephrologist Needs to Know about Vascular Access
   Micah R. Chan

1213 Vascular Access Morbidity and Mortality: Trends of the Last Decade
   Charmaine E. Lok and Robert Foley

1220 Intervventional Nephrology: Physical Examination as a Tool for Surveillance for the Hemodialysis Arteriovenous Access
   Loay Salman and Gerald Beathard

1228 Intervventional Nephrology: When Should You Consider a Graft?
   Aris Q. Urbanes

1234 Intervventional Nephrology: Catheter Dysfunction—Prevention and Troubleshooting
   Vandana Dua Niyyar and Micah R. Chan

1244 Intervventional Nephrology: Novel Devices that Will One Day Change Our Practice
   Alexander S. Yevzlin and Amanda M. Valliant

Public Policy Series

1252 The Coming Fiscal Crisis: Nephrology in the Line of Fire
   Martin J. Andersen and Allon N. Friedman

1258 Future of Medicare Immunosuppressive Drug Coverage for Kidney Transplant Recipients in the United States
   Bekir Tanriover, Patricia W. Stone, Sumit Mohan, David J. Cohen, and Robert S. Gaston

Special Feature

1267 American Society of Nephrology Quiz and Questionnaire 2012: Transplantation
   Daniel C. Brennan, Richard J. Glassock, and Anthony J. Bleyer

ejournal club provides a timely and interactive electronic journal club experience by offering a forum in which CJASN readers have the opportunity to converse with the featured study authors. Visit ejc.cjasn.org to learn more.

On the Cover
What’s the diagnosis? This electronmicrograph (original magnification x 20,000) is from the renal biopsy of a 53 year-old woman with nephrotic syndrome. It shows fibrillar material in the glomerular basement membrane, and also in parallel “spicules” which are surrounded by podocyte cytoplasm. These fibrils measured 12 nm in average thickness. A Congo red stain showed red-green birefringent staining under polarized light microscopy and the deposits stained for lambda light chain, consistent with amyloidosis, AL lambda type. The differential diagnosis of fibrillar deposits in the kidney includes amyloidosis, fibrillary glomerulonephritis, diabetic fibrillosis, collagenofibrotic glomerulopathy, and fibronectin glomerulopathy. A combination of Congo red stain (and other amyloid stains), immunohistochemical stains, and electron microscopy permits distinction of these entities. Specifically, the thickness and distribution of the fibrils is important, with amyloid fibrils usually having a random orientation. However, amyloid deposits in the glomerular basement membrane may occasionally form distinctive spicules arranged perpendicular to the surface, mimicking the basement membrane spikes of membranous nephropathy. In this case, the spicules appear to be engulfed by the podocyte but this is likely an artifact. The pathogenesis of this peculiar arrangement of amyloid fibrils at the interface of the of the glomerular basement membrane and overlying podocyte is unknown. 63×39mm (600 × 600 DPI)