Editorials

1123 Health–Related Quality of Life in CKD—Advancing Patient-Centered Research to Transform Patient Care
Neil R. Powe
See related article on page 1154.

1125 Does Renal Artery Stenting Prevent Clinical Events?
Stephen C. Textor and Sanjay Misra
See related article on page 1180.

1128 Tuning into Qualitative Research—A Channel for the Patient Voice
Allison Tong and Jonathan C. Craig
See related article on page 1206.

1131 Studying Muscle Protein Turnover in CKD
Giacomo Garibotto and Daniela Verzola
See related article on page 1227.

1133 Parathyroidectomy: Complex Decisions about a Complex Procedure
James B. Wetmore
See related article on page 1260.

Original Articles

Chronic Kidney Disease

1136 Metabolism, Protein Binding, and Renal Clearance of Microbiota–Derived \( \beta \)-Cresol in Patients with CKD
Ruben Poesen, Pieter Evenepoel, Henriette de Loor, Dirk Kuypers, Patrick Augustijns, and Björn Meijers

1145 Genetic, Environmental, and Disease-Associated Correlates of Vitamin D Status in Children with CKD
Anke Doyon, Bettina Schmiedchen, Anja Sander, Aysun Bayazit, Ali Duzova, Nur Canpolat, Daniela Thurn, Karolis Azukaitis, Ali Anarat, Justine Bacchetta, Sevgi Mir, Rukshana Shroff, Ebru Yilmaz, Cengiz Candan, Markus Kemper, Michel Fischbach, Gerard Cortina, Günter Klaus, Matthias Wuttke, Anna Köttgen, Anette Melk, Uwe Querfeld, and Franz Schaefer for the 4C Study Consortium

1154 Predictors and Outcomes of Health–Related Quality of Life in Adults with CKD
Anna C. Porter, James P. Lash, Dawei Xie, Qiang Pan, Jennifer DeLuca, Radhika Kanthety, John W. Kusek, Claudia M. Lora, Lisa Nessel, Ana C. Ricardo, Julie Wright Nunes, Michael J. Fischer, and the CRIC Study Investigators
See related editorial on page 1123.

Clinical Nephrology

1163 Biomarkers of Cardiovascular Disease and Mortality Risk in Patients with Advanced CKD
Jia Sun, Jonas Axelsson, Anna Machowska, Olof Heimbürger, Peter Bárány, Bengt Lindholm, Karin Lindström, Peter Stenvinkel, and Abdul Rashid Qureshi

1173 Long–Term Renal Outcomes after Cisplatin Treatment
Sheron Latcha, Edgar A. Jaimes, Sujata Patil, Ilya G. Glezerman, Swati Mehta, and Carlos D. Flombaum
Clinical Nephrology (Continued)

1180 Effects of Stenting for Atherosclerotic Renal Artery Stenosis on eGFR and Predictors of Clinical Events in the CORAL Trial
Katherine R. Tuttle, Lance D. Dworkin, William Henrich, Barbara A. Greco, Michael Steffes, Sheldon Tobe, Joseph I. Shapiro, Kenneth Jamerson, Asya Lyass, Karol Pencina, Joseph M. Massaro, Ralph B. D’Agostino Sr., Donald E. Cutlip, Timothy P. Murphy, and Christopher J. Cooper
See related editorial on page 1125.

Epidemiology and Outcomes

1189 Atrial Fibrillation and Risk of ESRD in Adults with CKD
Nisha Bansal, Dawei Xie, Kelvin Tao, Jing Chen, Rajat Deo, Edward Horwitz, Chi-yuan Hsu, Radha Krishna Kallem, Martin G. Keane, Claudia M. Lora, Dominic Raj, Elsayed Z. Soliman, Louise Strauss, Myles Wolf, and Alan S. Go for the CRIC Study

1197 Carotid Intima-Media Thickness and Incident ESRD: The Atherosclerosis Risk in Communities (ARIC) Study
Yuanjie Pang, Yingying Sang, Shoshana H. Ballew, Morgan E. Grams, Gerardo Heiss, Josef Coresh, and Kunihiro Matsushita

ESRD and Chronic Dialysis

1206 A Thematic Synthesis of the Experiences of Adults Living with Hemodialysis
Claire Reid, Julie Seymour, and Colin Jones
See related editorial on page 1128.

1219 Peritonitis before Peritoneal Dialysis Training: Analysis of Causative Organisms, Clinical Outcomes, Risk Factors, and Long-Term Consequences
Terry King-Wing Ma, Kai Ming Chow, Bonnie Ching-Ha Kwan, Wing Fai Pang, Chi Bon Leung, Philip Kam-Tao Li, and Cheuk Chun Szeto
See related editorial on page 1131.

Geriatric Nephrology

1236 Association of Reduced eGFR and Albuminuria with Serious Fall Injuries among Older Adults
C. Barrett Bowling, Samantha G. Bromfield, Lisandro D. Colantonio, Orlando M. Gutiérrez, Daichi Shimbo, Kristi Reynolds, Nicole C. Wright, Jeffrey R. Curtis, Suzanne E. Judd, Harold Franch, David G. Warnock, William McClellan, and Paul Muntner

1245 The Relevance of Geriatric Impairments in Patients Starting Dialysis: A Systematic Review
Ismay N. van Loon, Tom R. Wouters, Franciscus T. J. Boereboom, Michiel L. Bots, Marianne C. Verhaar, and Marije E. Hamaker

Mineral metabolism/Bone disease

1260 Rates and Outcomes of Parathyroidectomy for Secondary Hyperparathyroidism in the United States
Sun Moon Kim, Jin Long, María E. Montez-Rath, Mary B. Leonard, Jeffrey A. Norton, and Glenn M. Chertow
See related editorial on page 1133.

In-Depth Review

1269 Iron Therapy Challenges for the Treatment of Nondialysis CKD Patients
Francesco Locatelli, Sandro Mazzaferro, and Jerry Yee

Mini-Review

1282 Bone Disease after Kidney Transplantation
Antoine Bouquegneau, Syrazah Salam, Pierre Delanaye, Richard Eastell, and Arif Khwaja
A 55-year-old man was seen in consultation for AKI. His history was notable for recent partial liver resection for metastatic colorectal cancer. Pertinent exam findings included hypotension, icterus, hyperbilirubinemia, and change in serum creatinine from 1.0 mg/dL to 2.7 mg/dL. Urine microscopy revealed several leucine crystal casts such as the one demonstrated on the left side of the cover image. Subsequent kidney biopsy demonstrated several tubular casts with polarizing round crystals with a “Maltese cross” appearance (see right side of cover image). Leucine crystals are often seen in the urine of patients with severe liver disease. Loss of enzymatic function of the branched-chain α-ketoacid decarboxylase complex in the liver reduces the metabolism of leucine and elevates serum levels. Little is known about whether the crystals are toxic to nephrons. They are not believed to contribute to loss of kidney function. Yet, in this patient, casts with leucine crystals were found in the renal tubules and in the urine. It raises the concern that intra-tubular obstruction or direct tubular toxicity may lead to the development of AKI. (Images and text provided by Koyal Jain, MD and Abhijit V. Kshirsagar, MD, MPH, Division of Nephrology and Hypertension, University of North Carolina Kidney Center, Chapel Hill, North Carolina)