Editorials

1375 The Use and Misuse of Serum Albumin as a Nutritional Marker in Kidney Disease
   T. Alp Ikizler
   See related article on page 1446.

1378 Reducing Disparities in Assessment for Kidney Transplantation
   Keith C. Norris and Lawrence Y. Agodoa
   See related article on page 1490.

1382 Attracting More Residents into Nephrology
   Nancy Day Adams
   See related article on page 1513.

Original Articles

Clinical Immunology and Pathology

1385 Relationships between Levels of Urinary Podocalyxin, Number of Urinary Podocytes, and Histologic Injury in Adult Patients with IgA Nephropathy
   Rin Asao, Katsuhiko Asanuma, Fumiko Kodama, Miyuki Akiba-Takagi, Yoshiko Nagai-Hosoe, Takuto Seki, Yukihiro Takeda, Isao Ohsawa, Satoshi Mano, Kiyoshi Matsuoka, Hiroyuki Kurosawa, Shinya Ogawara, Yoshiaki Hirayama, Sakari Sekine, Satoshi Horiyoshi, Masanori Hara, and Yasuhiko Tomino

Epidemiology and Outcomes

1401 Clinical Outcomes and Predictors for ESRD and Mortality in Primary GN
   Yu-Hsiang Chou, Yu-Chung Lien, Fu-Chang Hu, Wei-Chou Lin, Chih-Chin Kao, Chun-Fu Lai, Wen-Chih Chiang, Shuei-Liong Lin, Tun-Jun Tsai, Kwan-Dun Wu, and Yung-Ming Chen

1409 Urolithiasis and the Risk of ESRD
   Ziad M. El-Zoghby, John C. Lieske, Robert N. Foley, Eric J. Bergstralh, Xujian Li, L. Joseph Melton III, Amy E. Krambeck, and Andrew D. Rule

1416 Renal Dysfunction and Elevated Blood Pressure in Long-Term Childhood Cancer Survivors

ESRD and Chronic Dialysis

1428 25-Hydroxyvitamin D Response to Cholecalciferol Supplementation in Hemodialysis
   Laura A.G. Armas, Radha Andukuri, Janet Barger-Lux, Robert P. Heaney, and Richard Lund
Original Articles (Continued)

1435 Serum β-Trace Protein and Risk of Mortality in Incident Hemodialysis Patients
Tariq Shafi, Rulan S. Parekh, Bernard G. Jaar, Laura C. Plantinga, Pooja C. Oberai, John H. Eckfeldt, Andrew S. Levey, Neil R. Powe, and Josef Coresh

1446 Serum Albumin as Predictor of Nutritional Status in Patients with ESRD
Thiane Gama-Axelsson, Olof Heimbürger, Peter Stenvinkel, Peter Bárány, Bengt Lindholm, and Abdul Rashid Qureshi
See related editorial on page 1375.

1454 Nonlinear Measures of Heart Rate Variability and Mortality Risk in Hemodialysis Patients
Mari Suzuki, Takahashi Hiroshi, Toru Aoyama, Miho Tanaka, Hideki Ishii, Masaya Kisohara, Narushi lizuka, Toyoaki Murohara, and Junichiro Hayano

Mineral Metabolism/Bone Disease

1461 Correction of Metabolic Acidosis with Potassium Citrate in Renal Transplant Patients and its Effect on Bone Quality
Astrid Starke, Alì Corsenca, Thomas Kohler, Johannes Knubben, Marius Kraenzlin, Daniel Uebelhart, Rudolf P. Wüthrich, Brigitte von Rechenberg, Ralph Müller, and Patrice M. Ambühl

1473 Prescription Patterns and Mineral Metabolism Abnormalities in the Cinacalcet Era: Results from the MBD-5D Study
Masafumi Fukagawa, Shingo Fukuma, Yoshihiro Onishi, Takuiho Yamaguchi, Takeshi Hasegawa, Tadao Akizawa, Kiyoshi Kurokawa, and Shunichi Fukuhara

Renal Transplantation

1481 FoxP3 T Cells and the Pathophysiologic Effects of Brain Death and Warm Ischemia in Donor Kidneys
Carla C. Baan, Annemiek M.A. Peeters, Martijn W.H.J. Demmers, Wendy M. Mol, Karin Boer, Janneke N. Samsom, Ajda T. Rowshani, Jan N.M. IJzermans, and Willem Weimar

1490 Association of Race and Insurance Type with Delayed Assessment for Kidney Transplantation among Patients Initiating Dialysis in the United States
Kirsten L. Johansen, Rebecca Zhang, Yijian Huang, Rachel E. Patzer, and Nancy G. Kutner
See related editorial on page 1378.

1498 Effect of High-Dose Erythropoietin on Graft Function after Kidney Transplantation: A Randomized, Double-Blind Clinical Trial
Kalathil K. Sureshkumar, Sabiha M. Hussain, Tina Y. Ko, Ngoc L. Thai, and Richard J. Marcus

Attending Rounds

1507 To Dialyze or Not: The Patient with Metastatic Cancer and AKI in the Intensive Care Unit
Alvin H. Moss

Commentary

1513 Career Choice Selection and Satisfaction among US Adult Nephrology Fellows
Hitesh H. Shah, Kenar D. Jhaveri, Matthew A. Sparks, and Joseph Mattana
See related editorial on page 1382.

Mini-Reviews

1521 Adenine Phosphoribosyltransferase Deficiency
Guillaume Bollée, Jérôme Harambat, Albert Bensman, Bertrand Knebelmann, Michel Daudon, and Irène Ceballos-Picot
Mini-Reviews (Continued)

1528 Circulating and Urinary microRNAs in Kidney Disease
Johan M. Lorenzen and Thomas Thum

Special Feature

1535 Comparing Mandated Health Care Reforms: The Affordable Care Act, Accountable Care Organizations, and the Medicare ESRD Program
Suzanne Watnick, Daniel E. Weiner, Rachel Shaffer, Jula Inrig, Sharon Moe, and Rajnish Mehrotra, on behalf of the Dialysis Advisory Group of the American Society of Nephrology

On the Cover

What’s the diagnosis? The image shows a typical lesion (urate tophus) in a patient with hyperuricemia and urate nephropathy. There are multiple causes of hyperuricemia, including inherited disorders of purine metabolism, rapid turnover of purines in neoplasms, tumor lysis syndrome after chemotherapy, a purine-rich diet, or drugs. The most common complications of hyperuricemia include gouty arthritis and urate nephropathy. The characteristic finding in urate nephropathy is the presence of urate crystals in the inner medulla. The crystals are soluble in water, therefore they dissolve on routine histology processing and one can only appreciate outlines of needle-shaped, rectangular, or amorphous crystals with surrounding inflammatory response that consists of lymphocytes, macrophages, and sometimes multinucleated giant cells. This particular image shows outlines of dissolved amorphous crystals in the center, with surrounding mononuclear inflammatory cells, interstitial fibrosis, and tubular atrophy. (Image and text provided by Vanesa Bijol, MD, Brigham and Women’s Hospital)