EDITORIALS

951 The CKD-EPI Equation for Estimating GFR from Serum Creatinine: Real Improvement or More of the Same?
Andrew D. Rule
See related article on page 1003.

954 BNP in Hemodialysis Patients
Patrick S. Parfrey
See related article on page 1036.

ORIGINAL ARTICLES

Acute Renal Failure

956 Intensities of Renal Replacement Therapy in Acute Kidney Injury: A Systematic Review and Meta-Analysis
Min Jun, Hiddo J. Lambers Heerspink, Toshiharu Ninomiya et al.

Chronic Kidney Disease

964 Nephrogenic Systemic Fibrosis: A Survey of Nephrologists’ Perceptions and Practices
Khaled Abdel-Kader, Priti R. Patel, Alexander J. Kallen et al.

972 Correlation of Kidney Function, Volume and Imaging Findings, and PKHD1 Mutations in 73 Patients with Autosomal Recessive Polycystic Kidney Disease
Meral Gunay-Aygun, Esperanza Font-Montgomery, Linda Lukose et al.

985 Treatment Options for Sexual Dysfunction in Patients with Chronic Kidney Disease: A Systematic Review of Randomized Controlled Trials
Mariacristina Vecchio, Sankar D. Navaneethan, David W. Johnson et al.

996 Resistance Training Increases Muscle Mitochondrial Biogenesis in Patients with Chronic Kidney Disease
Vaidyanatha S. Balakrishnan, Madhumathi Rao, Vandana Menon et al.

Clinical Nephrology

1003 Performance of the Cockcroft-Gault, MDRD, and New CKD-EPI Formulas in Relation to GFR, Age, and Body Size
Wieneke Marleen Michels, Diana Carina Grootendorst, Marion Verduijn et al.
See related editorial on page 951.

1010 Reduction of Serum Hepcidin by Hemodialysis in Pediatric and Adult Patients
Joshua Zaritsky, Brian Young, Barbara Gales et al.

Diabetes and the Kidney

1015 Sickle Cell Trait and Development of Microvascular Complications in Diabetes Mellitus
Anthony J. Bleyer, Sri V. Reddy, Leon Sujata et al.

Dialysis

1021 oxidized high-density lipoprotein is associated with protein-energy wasting in maintenance hemodialysis patients
Hirokazu Honda, Masashi Ueda, Shiho Kojima et al.

1029 the longevity of arteriovenous graft for hemodialysis patients—externally supported or nonsupported
Yen-Ni Hung, Po-Jen Ko, Yee-Yung Ng, and Shiao-Chi Wu

1036 N-terminal proBNP—Marker of Cardiac Dysfunction, Fluid Overload, or Malnutrition in Hemodialysis Patients?
John Booth, Jennifer Pinney, and Andrew Davenport
See related editorial on page 954.

1041 Relapsing Peritonitis in Children Who Undergo Chronic Peritoneal Dialysis: A Prospective Study of the International Pediatric Peritonitis Registry
Jerome C. Lane, Bradley A. Warady, Reinhard Feneberg et al.
1047 *Staphylococcus aureus* Bacteremia and Buttonhole Cannulation: Long-Term Safety and Efficacy of Mupirocin Prophylaxis
Gihad E. Nesrallah, Meaghan Cuerden, Joseph H.S. Wong et al.

**Epidemiology and Outcomes**

1054 Hospital Treatment for Fluid Overload in the Medicare Hemodialysis Population
Thomas J. Arneson, Jiannong Liu, Yang Qiu et al.

1064 Serum Alkaline Phosphatase and Phosphate and Risk of Mortality and Hospitalization
Matthew Abramowitz, Paul Muntner, Maria Coco et al.

1072 Examination of Association with Candidate Genes for Diabetic Nephropathy in a Mexican American Population
Sulgi Kim, Hanna E. Abboud, Madeleine V. Pahl et al.

**Hereditary Disease**

1079 Spectrum of HNF1B Mutations in a Large Cohort of Patients Who Harbor Renal Diseases
Laurence Heidet, Stéphane Decramer, Audrey Pawlowski et al.

1091 Early Renal Abnormalities in Autosomal Dominant Polycystic Kidney Disease
Esther Meijer, Mienke Rook, Hilde Tent et al.

**Hypertension**

1099 Microalbuminuria Is a Predictor of Chronic Renal Insufficiency in Patients without Diabetes and with Hypertension: The MAGIC Study
Francesca Viazzi, Giovanna Leoncini, Novella Conti et al.

**MINI-REVIEW**

1107 The Spectrum of MYH9-Associated Nephropathy
Meredith A. Bostrom and Barry I. Freedman

**IN-DEPTH REVIEWS**

1114 Diagnosis of Tuberculosis in Dialysis Patients: Current Strategy
Liviu Segall and Adrian Covic

1123 Strategies for Improving Long-Term Survival in Peritoneal Dialysis Patients
Jessica Kendrick and Isaac Teitelbaum

1132 Aldosterone: Role in Edematous Disorders, Hypertension, Chronic Renal Failure, and Metabolic Syndrome
Robert W. Schrier, Amirali Masoumi, and Elwaleed Elhassan

**SPECIAL FEATURE**

1141 Nephrology Quiz and Questionnaire: 2009
Richard J. Glassock (Moderator): Participants: Joanne M. Bargman, Biff F. Palmer, Millie Samaniego, and Fernando C. Fervenza