CONTROVERSIES IN NEPHROLOGY

1 Patient Care Guidelines: Problems and Solutions
   Robert G. Narins and William M. Bennett

3 Influence of Industry on Renal Guideline Development
   Daniel W. Coyne

8 Appraisal of Evidence and Control of Bias in the Kidney Disease Outcomes Quality Initiative Guideline Development Process
   David Van Wyck, Kai-Uwe Eckardt, Katrin Uhlig et al.

11 Practice Recommendations Based on Low, Very Low, and Missing Evidence
   Daniel W. Coyne

13 Response to “Influence of Industry on Renal Guideline Development”
   David Van Wyck, Kai-Uwe Eckardt, Katrin Uhlig et al.

15 Invitation for Commentary
   William M. Bennett, Harold I. Feldman, and Mohamed H. Sayegh

ORIGINAL ARTICLES

Acute Renal Failure
16 Could Uric Acid Have a Role in Acute Renal Failure?
   A. Ahsan Ejaz, Wei Mu, Duk-Hee Kang et al.

22 Elevated Plasma Concentrations of IL-6 and Elevated APACHE II Score Predict Acute Kidney Injury in Patients with Severe Sepsis
   Lakhmir S. Chawla, Michael G. Seneff, David R. Nelson et al.

Clinical Genetics
31 Recessive NPHS2 (Podocin) Mutations Are Rare in Adult-Onset Idiopathic Focal Segmental Glomerulosclerosis
   Ning He, Alireza Zahirieh, Yan Mei et al.

Clinical Nephrology
38 Normal Values for Renal Length and Volume as Measured by Magnetic Resonance Imaging
   Benjamin Cheong, Raja Mathupillai, Mario F. Rubin et al.

46 Adiponectin in Children with Chronic Kidney Disease: Role of Adiposity and Kidney Dysfunction
   Mark Mitsnefes, Janis Kartal, Philip Khoury et al.

51 Factors That Determine an Incomplete Recovery of Renal Function in Macrohematuria-Induced Acute Renal Failure of IgA Nephropathy
   Eduardo Gutiérrez, Esther González, Eduardo Hernández et al.

Diabetes and the Kidney
58 Proteinuria-Lowering Effect of Heparin Therapy in Diabetic Nephropathy without Affecting the Renin-Angiotensin-Aldosterone System
   Urs Benck, Sarah Haeckel, John H. Clorius et al.

Diagnosis
68 Detecting Latent Tuberculosis Infection in Hemodialysis Patients: A Head-to-Head Comparison of the T-SPOT.TB Test, Tuberculin Skin Test, and an Expert Physician Panel
   Laura Passalent, Kamran Khan, Robert Richardson et al.

Dialysis
74 Peritoneal Dialysis with Solutions Containing Amino Acids Plus Glucose Promotes Protein Synthesis during Oral Feeding
   Hoey Lan Tjiong, Trinet Rietveld, Josia L. Wattimena et al.
Epidemiology and Outcomes

81 Exploring Secular Trends in the Likelihood of Receiving Treatment for End-Stage Renal Disease
Chi-yuan Hsu, Alan S. Go, Charles E. McCulloch et al.

89 Predictors of Early Mortality among Incident US Hemodialysis Patients in the Dialysis Outcomes and Practice Patterns Study (DOPPS)
Brian D. Bradbury, Rachel B. Fissell, Justin M. Albert et al. See related editorial on pages 143–145.

100 Effects of Urinary Tract Infection on Outcomes after Renal Transplantation in Children
Vikas R. Dharnidharka, Lawrence Y. Agodoa, and Kevin C. Abbott

Ethics

Jean L. Holley, Sara N. Davison, and Alvin H. Moss

Hereditary Disease

112 Magnetic Resonance Measurements of Renal Blood Flow and Disease Progression in Autosomal Dominant Polycystic Kidney Disease
Vicente E. Torres, Bernard F. King, Arlene B. Chapman et al.

Clinical Immunology and Pathology

121 Calcification of Coronary Intima and Media: Immunohistochemistry, Backscatter Imaging, and X-Ray Analysis in Renal and Nonrenal Patients
Marie-Luise Gross, Hans-Peter Meyer, Heike Ziebart et al.

Transplantation

135 A Novel, Semiquantitative, Clinically Correlated Calcineurin Inhibitor Toxicity Score for Renal Allograft Biopsies
Neeraja Kambham, Suja Nagarajan, Sheryl Shah et al.

EDITORIALS

143 Predialysis Nephrology Care Improves Dialysis Outcomes: Now What? Or Chapter Two
Thomas A. Golper See related article on pages 89–99.

146 Kidney Failure Stabilizes after a Two-Decade Increase: Impact on Global (Renal and Cardiovascular) Health
Piero Ruggenenti and Giuseppe Remuzzi

IN-DEPTH REVIEWS

151 Exercise-Associated Hyponatremia
Mitchell H. Rosner and Justin Kirven

162 Serum Anion Gap: Its Uses and Limitations in Clinical Medicine
Jeffrey A. Kraut and Nicolaos E. Madias

MINI-REVIEW

175 Arteriovenous Access and Hand Pain: The Distal Hypoperfusion Ischemic Syndrome
Carlos Leon and Arié Asil

DIAGNOSTIC & THERAPEUTIC CORNER

184 Therapeutic Monitoring of Mycophenolate Mofetil
Hyunyoung Jeong and Bruce Kaplan