EDITORIALS

1 Molecular Diagnostics of ADPKD Coming of Age
Peter C. Harris and Sandro Rossetti
See related article on page 146.

3 Anemia of Chronic Kidney Disease
Ajay K. Singh
See related articles on pages 133, 193, and 200.

PRESSE RÉNALE

7 Renal Transplantation
William M. Bennett and Mohamed H. Sayegh

ORIGINAL ARTICLES

Acute Renal Failure

10 Sodium Bicarbonate is Associated with an Increased Incidence of Contrast Nephropathy: A Retrospective Cohort Study of 7977 Patients at Mayo Clinic
Aaron M. From, Brian J. Bartholmai, Amy W. Williams et al.

Clinical Nephrology

19 Hemodialysis-Induced Cardiac Dysfunction Is Associated with an Acute Reduction in Global and Segmental Myocardial Blood Flow
Christopher W. McIntyre, James O. Burton, Nicholas M. Selby et al.

27 Late-Onset Nephopathic Cystinosis: Clinical Presentation, Outcome, and Genotyping
Aude Servais, Vincent Morinière, Jean-Pierre Grünfeld et al.

36 The OPTIMA Study: Assessing a New Cinacalcet (Sensipar/Mimpara) Treatment Algorithm for Secondary Hyperparathyroidism
Piergiorgio Messa, Fernando Macário, Magdi Yaqoob et al.

46 Value of a Complete or Partial Remission in Severe Lupus Nephritis
Yiann E. Chen, Stephen M. Korbet, Robert S. Katz et al.

Impact of the Preintervention Rate of Renal Function Decline on Outcome of Renoprotective Intervention
A. Titia Lely, Frank G.H. van der Kleij, Taco J. Kistemaker et al.

Clinical Pharmacology

61 Short-Term Treatment with Sevelamer Increases Serum Fetuin-A Concentration and Improves Endothelial Dysfunction in Chronic Kidney Disease Stage 4 Patients
Kayser Caglar, Mahmut Ilker Yilmaz, Mutlu Saglam et al.

Dialysis

69 Association between Serum β2-Microglobulin Level and Infectious Mortality in Hemodialysis Patients
Alfred K. Cheung, Tom Greene, John K. Leyboldt et al.

78 Comorbidities Do not Influence Primary Fistula Success in Incident Hemodialysis Patients: A Prospective Study
Wenjie Wang, Brendan Murphy, Serdar Yilmaz et al.

85 Removal of the Protein-Bound Solutes Indican and P-Cresol Sulfate by Peritoneal Dialysis
Nhat M. Pham, Natalie S. Recht, Thomas H. Floßeter, and Timothy W. Meyer

91 Coagulase Negative Staphylococcal Peritonitis in Peritoneal Dialysis Patients: Review of 232 Consecutive Cases
Cheuk-Chun Szeto, Bonnie Ching-Ha Kwan, Kai-Ming Chow et al.

98 Serum Albumin Is Strongly Associated with Erythropoietin Sensitivity in Hemodialysis Patients
Rajiv Agarwal, Joyce L. Davis, and Linda Smith

Epidemiology and Outcomes

105 Major Bleeding in Hemodialysis Patients
Rachel M. Holden, Gavin J. Harman, Miao Wang et al.

111 Dialysis Facility Characteristics and Variation in Employment Rates: A National Study
Nancy Kutner, Tess Bowles, Rebecca Zhang et al.

Table of Contents continued inside
117 Novel Methods for Tracking Long-Term Maintenance Immunosuppression Regimens
Paula M. Buchanan, Mark A. Schnitzler, Daniel C. Brennan, et al.

125 Lipoprotein Abnormalities Associated with Mild Impairment of Kidney Function in the Multi-Ethnic Study of Atherosclerosis
Ian H. de Boer, Brad C. Astor, Holly Kramer et al.

133 Hemoglobin Level Variability: Associations with Mortality
David T. Gilbertson, James P. Ebben, Robert N. Foley et al. See related editorial on page 3.

139 Hereditary Disease
Screening for Fabry Disease in Patients with Chronic Kidney Disease: Limitations of Plasma α-Galactosidase Assay as a Screening Test
Jason Andrade, Paula J. Waters, R. Suneet Singh et al.

146 Hypertension
Molecular Diagnostics in Autosomal Dominant Polycystic Kidney Disease: Utility and Limitations
Xiao Zhao, Andrew D. Paterson, Alireza Zahirieh et al. See related editorial on page 1.

153 Hypertension
On the Importance of Pedal Edema in Hemodialysis Patients
Rajiv Agarwal, Martin J. Andersen, and J. Howard Pratt

159 Oral Hypoglycemics and Diabetic Nephropathy
Nortin M. Hadler

163 Does Lowering of Blood Glucose Improve Cardiovascular Morbidity and Mortality?
Nayyar Iqbal and Arthur H. Rubenstein

168 Battleground: Chronic Kidney Disorders Mineral and Bone Disease—Calcium Obsession, Vitamin D, and Binder Confusion
Csaba P. Kovessy, Rajnish Mehrotra, and Kamyar Kalantar-Zadeh

174 The First Biosimilar Epoetin: But How Similar Is It?
Huub Schellekens

179 Bone and Mineral Guidelines for Patients with Chronic Kidney Disease: A Call for Revision
Dennis L. Andress

184 Vascular Stiffness: Its Measurement and Significance for Epidemiologic and Outcome Studies
Stephanie S. DeLoach and Raymond R. Townsend

193 Pure Red Cell Aplasia Induced by Erythropoiesis-Stimulating Agents
Carol Pollock, David Wayne Johnson, Walter H. Hörl et al. See related editorial on page 3.

200 Novel Erythropoiesis-Stimulating Agents: A New Era in Anemia Management
Iain C. Macdougall See related editorial on page 3.

208 IN-DEPTH REVIEWS
Toxic Alcohol Ingestions: Clinical Features, Diagnosis, and Management
Jeffrey A. Kraut and Ira Kurtz

226 Smoking: A Risk Factor for Progression of Chronic Kidney Disease and for Cardiovascular Morbidity and Mortality in Renal Patients—Absence of Evidence or Evidence of Absence?
Stephan R. Orth and Stein I. Hallan

237 Hypotheses on the Etiology of Antineutrophil Cytoplasmic Autoantibody–Associated Vasculitis: The Cause Is Hidden, but the Result Is Known
Robert A.F. de Lind van Wijngaarden, Leendert van Rijn, E. Christiaan Hagen et al.

253 SPECIAL FEATURE: METHODS SERIES
Systematic Review and Meta-analysis: When One Study Is Just not Enough
Amit X. Garg, Dan Hackam, and Marcello Tonelli

Table of Contents continued inside
MOVING POINTS IN NEPHROLOGY

261 Contrast-Induced Nephropathy: Is the Picture any Clearer?
Michael R. Rudnick, Stanley Goldfarb, and James Tumlin

263 Contrast-Induced Nephropathy: What Are the True Clinical Consequences?
Michael Rudnick and Harold Feldman

273 Prevention of Contrast-Induced Nephropathy with Volume Expansion
Steven D. Weisbord and Paul M. Palevsky

281 N-Acetylcysteine in the Prevention of Contrast-Induced Nephropathy
Steven Fishbane

288 Renal Parenchymal Hypoxia, Hypoxia Adaptation, and the Pathogenesis of Radiocontrast Nephropathy
Samuel N. Heyman, Seymour Rosen, and Christian Rosenberger

CLINICOPATHOLOGIC CONFERENCE

297 A Case of Lupus Nephritis
Cynthia Nast and Gerald Appel

ERRATUM

307 Erratum