

Clinical Journal of the American Society of Nephrology

EDITORIALS

- 647 Renal Biopsies in Acute Kidney Injury: Who Are We Missing?**
Isaac E. Stillman, Emerson Q. Lima, and Emmanuel A. Burdmann See related article on page 674.
- 649 How Should Nephrologists Approach Gadolinium-based Contrast Imaging in Patients with Kidney Disease?**
Mark A. Perazella See related article on page 747.
- 652 Leflunomide Therapy in Kidney Transplantation: Ready for Prime Time?**
Roslyn B. Mannon See related article on page 829.

PRESSE RÉNALE

- 654 Kidney Diseases: Environmental and Genetic Factors**
Jean-Pierre Grünfeld

ORIGINAL ARTICLES

Acid/Base and Mineral Metabolism

- 658 Calcimimetics as an Adjuvant Treatment for Familial Hypophosphatemic Rickets**
Uri S. Alon, Rachel Levy-Olomucki, Wayne V. Moore et al.

Acute Renal Failure

- 665 Urine NGAL Predicts Severity of Acute Kidney Injury After Cardiac Surgery: A Prospective Study**
Michael Bennett, Catherine L. Dent, Qing Ma et al.
- 674 Renal Biopsy Findings in Acute Renal Failure in the Cohort of Patients in the Spanish Registry of Glomerulonephritis**
Juan M. López-Gómez and Francisco Rivera, on behalf of Spanish Registry of Glomerulonephritis See related editorial on page 647.

Clinical Immunology and Pathology

- 682 Necrotizing and Crescentic Lupus Nephritis with Antineutrophil Cytoplasmic Antibody Seropositivity**
Samih H. Nasr, Vivette D. D'Agati, Hye-Ran Park et al.

Clinical Nephrology

- 691 Endothelial Dysfunction in Patients with Chronic Kidney Disease Results from Advanced Glycation End Products (AGE)-Mediated Inhibition of Endothelial Nitric Oxide Synthase through RAGE Activation**
Ellena Linden, Weijing Cai, John C. He et al.
- 699 Stent Placement Versus Angioplasty Improves Patency of Arteriovenous Grafts and Blood Flow of Arteriovenous Fistulae**
Micah R. Chan, Surmeet Bedi, Robert J. Sanchez et al.

Diabetes and the Kidney

- 706 High-Normal Serum Uric Acid Is Associated with Impaired Glomerular Filtration Rate in Nonproteinuric Patients with Type 1 Diabetes**
Elizabeth T. Rosolowsky, Linda H. Ficociello, Nicholas J. Maselli et al.

Dialysis

- 714 Hemodialysis Arteriovenous Fistula Patency Revisited: Results of a Prospective, Multicenter Initiative**
Henricus J.T. Huijbrechts, Michiel L. Bots, Cees H.A. Wittens et al.
- 720 Impact of Uremia, Diabetes, and Peritoneal Dialysis Itself on the Pathogenesis of Peritoneal Sclerosis: A Quantitative Study of Peritoneal Membrane Morphology**
Kazuho Honda, Chieko Hamada, Masaaki Nakayama et al.

- 729 Serum Vasopressin Response in Patients With Intradialytic Hypotension: A Pilot Study**
Mira Rho, Mark A. Perazella, Chirag R. Parikh et al.

Table of Contents continued inside

CJASNTM

Clinical Journal of the American Society of Nephrology

(Table of Contents Continued)

- 736 Safety and Efficacy of Regional Citrate Anticoagulation During 8-Hour Sustained Low-Efficiency Dialysis**
John A. Clark, Gerald Schulman, and Thomas A. Golper
- 743 Measuring Plasma Conductivity to Detect Sodium Load in Hemodialysis Patients**
Lucile Mercadal, Aude Servais, Marcia Venditto et al.
- 747 Risk for Nephrogenic Systemic Fibrosis with Gadoteridol (ProHance) in Patients Who Are on Long-Term Hemodialysis**
Robert F. Reilly *See related editorial on page 649.*
- Epidemiology and Outcomes**
- 752 Multidrug-Resistant Gram-Negative Bacteria among Patients Who Require Chronic Hemodialysis**
Aurora Pop-Vicas, James Strom, Karen Stanley, and Erika M.C. D'Agata
- 759 Serum Albumin Level and Risk for Mortality and Hospitalization in Adolescents on Hemodialysis**
Sandra Amaral, Wenke Hwang, Barbara Fivush et al.
- 768 Analgesic Nephropathy and Renal Replacement Therapy in Australia: Trends, Comorbidities and Outcomes**
Sean Haw Chang, Timothy Hamish Mathew, and Stephen Peter McDonald
- 777 History-Adjusted Marginal Structural Analysis of the Association between Hemoglobin Variability and Mortality among Chronic Hemodialysis Patients**
Steven M. Brunelli, Marshall M. Joffe, Rubeen K. Israni et al.
- 783 Relation of Low Glomerular Filtration Rate to Metabolic Disorders in Individuals without Diabetes and with Normoalbuminuria**
Carlos Lorenzo, Subrata D. Nath, Anthony J.G. Hanley et al.
- Hereditary Disease**
- 790 Prevalence of Cysts in Seminal Tract and Abnormal Semen Parameters in Patients with Autosomal Dominant Polycystic Kidney Disease**
Roser Torra, Joaquim Sarquella, Jordi Calabia et al.
- Mineral Metabolism and Bone Disease**
- 794 Does Vitamin D Receptor and Calcium Receptor Activation Therapy Play a Role in the Histopathologic Alterations of Parathyroid Glands in Refractory Uremic Hyperparathyroidism?**
Carlo Lomonte, Luigi Vernaglione, Domenico Chimienti et al.
- Renal Transplantation**
- 800 Recurrent Glomerulonephritis after Renal Transplantation: An Unsolved Problem**
William A. Golgert, Gerald B. Appel, and Sundaram Hariharan
- 808 Unmasking Glucose Metabolism Alterations in Stable Renal Transplant Recipients: A Multicenter Study**
Patricia Delgado, Juan Manuel Diaz, Irene Silva et al.
- 814 Impact of Acute Rejection and New-Onset Diabetes on Long-Term Transplant Graft and Patient Survival**
Edward H. Cole, Olwyn Johnston, Caren L. Rose, and John S. Gill
- 822 Cardiovascular Outcomes in the Outpatient Kidney Transplant Clinic: The Framingham Risk Score Revisited**
Bryce Kiberd and Romuald Panek
- 829 Higher Levels of Leflunomide Are Associated with Hemolysis and Are not Superior to Lower Levels for BK Virus Clearance in Renal Transplant Patients**
Nicolae Leca, Kimberly A. Muczynski, Jonathan A. Jefferson et al. *See related editorial on page 652.*

MINI-REVIEW

- 836 Contribution of Bone and Mineral Abnormalities to Cardiovascular Disease in Patients with Chronic Kidney Disease**
Paolo Raggi and Michael Kleerekoper

IN-DEPTH REVIEW

- 844 Diagnosis, Epidemiology and Outcomes of Acute Kidney Injury**
Sushrut S. Waikar, Kathleen D. Liu, and Glenn M. Chertow

Clinical Journal of the American Society of Nephrology

(Table of Contents Continued)

MOVING POINTS IN NEPHROLOGY

- 862 Acute Kidney Injury: Toward an Integrated Understanding through Development of a Research Agenda**
Adeera Levin, John A. Kellum, and Ravindra L. Mehta, for the Acute Kidney Injury Network (AKIN)
- 864 A Framework and Key Research Questions in AKI Diagnosis and Staging in Different Environments**
Patrick T. Murray, Prasad Devarajan, Andrew S. Levey et al.
- 869 Delivery of Renal Replacement Therapy in Acute Kidney Injury: What Are the Key Issues?**
Andrew Davenport, Catherine Bouman, Ashok Kirpalani et al.
- 876 Timing of Initiation and Discontinuation of Renal Replacement Therapy in AKI: Unanswered Key Questions**
Noel Gibney, Eric Hoste, Emmanuel A. Burdmann et al.
- 881 Epidemiology of Acute Kidney Injury**
Jorge Cerdá, Norbert Lameire, Paul Eggers et al.
- 887 Development of a Clinical Research Agenda for Acute Kidney Injury Using an International, Interdisciplinary, Three-Step Modified Delphi Process**
John A. Kellum, Ravindra L. Mehta, Adeera Levin et al.

SPECIAL FEATURES

- 895 What Have We Learned about Optimal Induction Therapy for Lupus Nephritis (III through V) from Randomized, Controlled Trials?**
William F. Clark and Jessica M. Sontrop
- 899 Medicare from A to D: What Every Nephrologist Needs to Know**
Lisa Morrison

CLINICAL CONFERENCE

- 905 Idiopathic Membranous Nephropathy: Diagnosis and Treatment**
Fernando C. Fervenza, Sanjeev Sethi, and Ulrich Specks
- 920 The Challenge of Sudden Death in Dialysis Patients**
Eberhard Ritz and Christoph Wanner