EDITORIALS

193 Handing Out Grades for Care in Chronic Kidney Disease: Nephrologists versus Non-Nephrologists
Roland C. Blantz
See related article on pages 277–283.

196 Vasopressin, Urine Concentration, and Hypertension: A New Perspective on an Old Story
Friedrich C. Luft
See related article on pages 304–312.

198 Sirolimus: Defining Nephrotoxicity in the Renal Transplant Recipient
Stephen J. Tomlanovich and Flavio Vincenti
See related article on pages 326–333.

200 Nephrogenic Systemic Fibrosis, Kidney Disease, and Gadolinium: Is There a Link?
Mark A. Perazella
See related articles on pages 258–265 and 264–267.

203 Living Organ Donation: Always Ethically Complex
Aaron Spital and James Stacey Taylor

COMMENTARIES IN RESPONSE TO CONTROVERSIES IN NEPHROLOGY
Patient Care Guidelines: Problems and Solutions (CJASN Vol. 2 No. 1)

205 Influence of Industry on Renal Guideline Development Commentary: Keeping Our Eye on the Ball and Improving Chronic Kidney Disease Patient Outcomes
Allen R. Nissenson

207 Development of Clinical Practice Guidelines: Are We Defining the Issues Too Narrowly?
Eleanor D. Lederer

208 Comments on the Guideline Debate
Richard Amerling and James F. Winchester

209 Translating Guidelines into Policy
Robert J. Rubin and Daniel N. Mendelson

211 Commentary on “Influence of Industry on Renal Guideline Development”
Denise Campbell, Rowan Walker, Tim Mathew, and Jonathan Craig

212 Stacking the Deck
Jerome P. Kassirer

213 Anemia of Kidney Disease and Clinical Practice Guidelines: Quo Vadis?
Jonathan Himmelfarb, William Henrich, and Thomas DuBose

ORIGINAL ARTICLES

Clinical Nephrology

215 Epoetin Alfa Once Every 2 Weeks Is Effective for Initiation of Treatment of Anemia of Chronic Kidney Disease
Robert Benz, Rebecca Schmidt, Kathleen Kelly, and Marsha Wolfson

222 Granulomatous Interstitial Nephritis
Nicola Joss, Scott Morris, Barbara Young, and Colin Geddes

231 Cumulative Excretion of Urinary Podocytes Reflects Disease Progression in IgA Nephropathy and Schönlein-Henoch Purpura Nephritis
Masanori Hara, Toshio Yanagihara, and Itaru Kihara

Dialysis

239 Severe Periodontitis Is Associated with Low Serum Albumin among Patients on Maintenance Hemodialysis Therapy
245  *Staphylococcus aureus*
Cheuk-Chun Szeto, Kai-Ming Chow, Bonnie Ching-Ha Kwan, et al.

252  A Standard, Noninvasive Monitoring of Hematocrit Algorithm Improves Blood Pressure Control in Pediatric Hemodialysis Patients

258  Nephrogenic Systemic Fibrosis: A Mysterious Disease in Patients with Renal Failure—Role of Gadolinium-Based Contrast Media in Causation and the Beneficial Effect of Intravenous Sodium Thiosulfate

264  Nephrogenic Systemic Fibrosis: A Population Study Examining the Relationship of Disease Development to Gadolinium Exposure

**Economics**

268  Increasing the Use of Arteriovenous Fistula in Hemodialysis: Economic Benefits and Economic Barriers
Donald Schon, Steven W. Blume, Kimberly Niebauer, et al.

**Epidemiology and Outcomes**

277  Advanced Chronic Kidney Disease Practice Patterns among Nephrologists and Non-Nephrologists: A Database Analysis

284  Association of Sleep Difficulty with Kidney Disease Quality of Life Cognitive Function Score Reported by Patients Who Recently Started Dialysis
Nancy G. Kutner, Rebecca Zhang, Yijian Huang, and Donald L. Bliwise

290  Association of Silica Exposure with Anti–Neutrophil Cytoplasmic Autoantibody Small-Vessel Vasculitis: A Population-Based, Case-Control Study
Susan L. Hogan, Glinda S. Cooper, David A. Savitz, et al.

**Ethics**

300  Routine Recovery of Cadaveric Organs for Transplantation: Consistent, Fair, and Life-Saving
Aaron Spital and James Stacey Taylor

**Hypertension**

304  Ethnic Differences in Urine Concentration: Possible Relationship to Blood Pressure
Lise Bankir, Julie Perucca, and Myron H. Weinberger  See related editorial on pages 196–197.

**ICU Nephrology**

313  Resuscitative Hyperkalemia in Noncrush Trauma: A Prospective, Observational Study
Robert M. Perkins, Matthew C. Aboudara, Kevin C. Abbott, and John B. Holcomb

**Mineral Metabolism and Bone Disease**

320  Partial Human Genetic Deficiency in Tissue Kallikrein Activity and Renal Calcium Handling
Anne Blanchard, Michel Azizi, Séverine Peyrard, et al.

**Transplantation**

326  High Sirolimus Levels May Induce Focal Segmental Glomerulosclerosis De Novo
Emmanuel Letavernier, Patrick Bruneval, Chantal Mandet, et al.  See related editorial on pages 198–199.

**IN-DEPTH REVIEWS**

334  Fetal Programming of Adult Kidney Disease: Cellular and Molecular Mechanisms
Dov Hershkovitz, Zvi Burbea, Karl Skorecki, and Barry M. Brenner

343  Transplant-Associated Hyperglycemia: A New Look at an Old Problem
Michael F. Crutchlow and Roy D. Bloom
MINI-REVIEWS

356 Pharmacologic Treatment of Acute Kidney Injury: Why Drugs Haven’t Worked and What Is on the Horizon
   Sang Kyung Jo, Mitchell H. Rosner, and Mark D. Okusa

366 Hypomagnesemia in Patients with Type 2 Diabetes
   Phuong-Chi T. Pham, Phuong-Mai T. Pham, Son V. Pham, et al.

DIAGNOSTIC AND THERAPEUTIC CORNER

374 Therapeutic Monitoring of Calcineurin Inhibitors for the Nephrologist
   Jeffrey Schiff, Edward Cole, and Marcelo Cantarovich

385 Continuous Renal Replacement Therapy in the Treatment of Acute Renal Failure: Critical Assessment Is Required
   Jonathan Himmelfarb

SPECIAL FEATURES

390 High-Frequency Hemodialysis: Rationale for Randomized Clinical Trials
   Alan S. Kliger; for the Frequent Hemodialysis Network Study Group

393 Report of the First World Transplant Congress
   Paolo Cravedi, Marina Noris, and Giuseppe Remuzzi

   Andrew S. Levey, Sharon P. Andreoli, Thomas DuBose, et al.