## CONTENTS

Vol. 6, No. 4 October 1995

### EDITORIAL REVIEWS

- **Polycystic Kidney Disease 1: Identification and Analysis of the Primary Defect**  
  Peter C. Harris, Christopher J. Ward, Belén Peral, James Hughes  
  1125
- **Hyperkalemia in End-Stage Renal Disease: Mechanisms and Management**  
  Michael Allan  
  1134
- **T Cell Costimulatory Pathways: Promising Novel Targets for Immunosuppression and Tolerance Induction**  
  Mohamed H. Sayegh, Laurence A. Turka  
  1143
- **Epithelial Tubulogenesis Through Branching Morphogenesis: Relevance to Collecting System Development**  
  1151

### AMERICAN RENAL TRAINING CENTERS

- **Recurrent Hemolytic Uremic Syndrome in an Adult Renal Allograft Recipient: Current Concepts and Management**  
  Anupam Agarwal, S. Michael Mauer, Arthur J. Matas, Karl A. Nath  
  1160
- **Atypical Hyperlipidemia and Nephropathy Associated With Apolipoprotein E Homozygosity**  
  Demetrius Ellis, Trevor J. Orchard, Susan Lombardozi, Edwardo J. Yunis, Jerry McCauley, Rocco Agostini, Jonathan R. Diamond  
  1170

### ARTICLES

- **Identification of the α3 Chain of Type IV Collagen as the Common Autoantigen in Antibasement Membrane Disease and Goodpasture Syndrome**  
  1178
- **Pathogenesis of Cyclosporine Nephropathy: Roles of Angiotensin II and Osteopontin**  
  1186
- **Glomerular Hemodynamic Effects of Late Pregnancy in Rats With Experimental Membranous Glomerulonephropathy**  
  Chris Baylis, Alhua Deng, William G. Couser  
  1197
- **Regulation of the Renal Na-HCO₃ Cotransporter: IV. Mechanisms of the Stimulatory Effect of Angiotensin II**  
  Ofelia S. Ruiz, Yi-Yong Qiu, Long-Jiang Wang, Jose A.L. Arruda  
  1202
- **Effects of Dietary Salt on Angiotensin Peptides in Kidney**  
  Qing Cheng Meng, Joan Durand, Yiu-Fai Chen, Suzanne Oparil  
  1209
- **The Antiproteinuric Action of Angiotensin-Converting Enzyme Is Dependent on Kinin**  
  Florence N. Hutchison, Xiaoying Cui, Sarah K. Webster  
  1216
- **Regulation of Na⁺/H⁺ Exchange by Diadenosine Polyphosphates, Angiotensin II, and Vasopressin In Rat Cortical Collecting Duct**  
  Eberhard Schlatter, Sabine Haxelmans, leva Ankorina, Robert Kleta  
  1223
- **An In Vitro Test of the Cell Stretch-Proliferation Hypothesis of Renal Cyst Enlargement**  
  George A. Tanner, Patrick F. McQuillan, Michele R. Maxwell, Julie K. Keck, James A. McAteer  
  1230

*continued*
Evidence for a Potent Lipid Secretagogue in the Cyst Fluids of Patients With Autosomal Dominant Polycystic Kidney Disease
Jared J. Grantham, Min Ye, Clarissa Davidow, Bruce Holub, Mukut Sharma .................................................. 1242

Thromboelastography for the Prediction of Bleeding After Transplant Renal Biopsy
Connie L. Davis, Wayne L. Chandler ................................................................. 1250

Dialysis Survival in a Large Inner-City Facility: A Comparison to National Rates
John C. Stivelman, J. Michael Soucie, Elizabeth S. Hall, Edwin J. Macon .................................................. 1256

Deposition of Kappa and Lambda Light Chains in Amyloid Filaments of Dialysis-Related Amyloidosis
Diego Brancaccio, Gian Marco Ghiggeri, Paola Braidotti, Alessandro Garberi, Maurizio Gallieni, Vittorio Bellotti, Ulisse Zoni, Rosanna Gusmano, Guido Coggi ................................................................. 1262

Treatment of Aluminum Overload Using a Cartridge With Immobilized Desferrioxamine
Sidney Anthone, Clara M. Ambrus, Romesh Kohli, Inkee Min, Roland Anthone, Agnes Stadler, Istvan Stadler, Adrian Vladitiu ................................................................. 1271

Enhanced Production of Nitric Oxide by Blood-Dialysis Membrane Interaction
Alessandro Amore, Roberto Bonaudo, Dario Ghigo, Marco Arese, Costanzo Costamagna, Paola Cirina, Bruno Gianoglio, Laura Perugini, Rosanna Coppo ................................................................. 1278

Influence of Cellulose Triacetate Hemodialyzers on Vancomycin Pharmacokinetics
Lynda S. Welage, Nancy Mason, Elyse J. Hoffman, Rudina M. Odeh, Janet Dombrouski, Jayant A. Patel, Richard D. Swartz ................................................................. 1284

CONCISE REPORTS

Preliminary Results of Intrathymic Injection of Donor Cells To Prevent Acute Rejection In Human Heart Transplantation
Giuseppe Remuzzi, Paolo Ferrazzi, Mario Bontempelli, Michele Senni, Mattia Glauber, Piero Ruggenenti, Norberto Perico ................................................................. 1291

The Angiotensin II Receptor Antagonist Losartan Reduces Blood Pressure but not Renal Injury in Obese Zucker Rats

Hydrogen Peroxide Induces 21-Aminosteroid-Inhibitable F2-Isoprostane Production and Cytolysis in Renal Tubular Epithelial Cells
Abdulla Salahudeen, Kamal Badr, Jason Morrow, Jackson Roberts II ................................................................. 1300

Cytokine Production During In Vitro Hemodialysis With New and Formaldehyde- or Renalin-Reprocessed Cellulose Dialyzers
Brian J.G. Pereira, Brad Snodgrass, Gan Barber, Christopher Perella, Sreekant Chopra, Andrew J. King ........ 1304
Peritoneal Equilibration Test Results Are Different in Infants, Children, and Adults
Susan R. Mendley, Nancy L. Majkowski .......................................................... 1309

Effect of Chronic Experimental Renal Insufficiency on Urate Metabolism
N.D. Vaziri, Robert W. Freel, Marguerite Hatch ........................................... 1313

ANNOUNCEMENTS .................................................................................... 1318

ATTENTION ALL JASN MANUSCRIPT CONTRIBUTORS
JASN will now assess excess page charges on articles and concise reports that exceed four pages in length at a charge of $60.00 per printed page. Invited reviews, editorials, and special features will be exempt. This policy will be in effect for articles submitted for publication after January 1, 1995.