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

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

Pathogenesis of Cyclosporine Nephropathy: Roles of Angiotensin II and Osteopontin
Raimund H. Pichler, Nora Franceschini, Bessie A. Young, Christian Hugo, Takeshi F. Andoh, Emmanuel A. Burdman, Stuart J. Shankland, Charles E. Alpers, William M. Bennett, William G. Couser, Richard J. Johnson ................................................................. 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, Ieva Ankorina, Robert Kleta ........................................ 1223

An In Vitro Test of the Cell Stretch-Proliferation Hypothesis of Renal Cyst Enlargement
George A. Tanner, Patrick F. McQuillian, 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

Deposition of Kappa and Lambda Light Chains in Amyloid Filaments of Dialysis-Related Amyloidosis
Diego Brancaccio, Gian Marco Ghiggeri, Paola Bridottti, 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 Vladutti ............................................................. 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 Intrathyrmic 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 Perrella, 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.