

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 Allon 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
Robert O. Stuart, Elvino J.G. Barros, Eliane Ribeiro, Sanjay K. Nigam 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, Eduardo J. Yunis, Jerry McCauley, Rocco Agostini, Jonathan R. Diamond 1170

ARTICLES

Identification of the $\alpha 3$ Chain of Type IV Collagen as the Common Autoantigen in Antibasement Membrane Disease and Goodpasture Syndrome
R. Kalluri, C.B. Wilson, M. Weber, S. Gunwar, A.M. Chonko, E.G. Neilson, B.G. Hudson 1178

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. Burdmann, 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, Aihua 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. McQuillan, Michele R. Maxwell, Julie K. Keck, James A. McAteer 1230

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 Vladutiu 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 Dombrowski, 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
 Gretchen S. Crary, Suzanne K. Swan, Michael P. O'Donnell, Bertram L. Kaslske, Stephen A. Katz, William F. Keane 1295

Hydrogen Peroxide Induces 21-Aminosteroid-Inhibitabile 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

J
A
S
N

**JOURNAL OF
THE AMERICAN
SOCIETY OF
NEPHROLOGY**

C O N T E N T S

JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY

Contents Continued

Vol. 6, No. 4

October 1995

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.

JASN Journal of the American Society of Nephrology, ISSN 1046-6673, is the official journal of the American Society of Nephrology and is published monthly by Williams & Wilkins, 351 West Camden St., Baltimore, MD 21201-2436. Second class postage paid at Baltimore, MD and at additional mailing offices. Subscription rates: \$234 U.S. (\$299 for delivery to other countries); institutions: \$329 U.S. (\$394 for delivery to other countries); in-training: \$94 U.S. (\$159 for delivery to other countries); single copy: \$28.00 (\$34.00 foreign). Subscription prices subject to change. Annual dues include \$65.00 for journal subscription. To order, call 1-800-638-6423 from anywhere in the U.S. In Maryland, call 1-800-638-4007. The GST number for Canadian subscribers is 123394371. Country of origin USA. POSTMASTER: Send address changes to the Journal of the American Society of Nephrology, 351 West Camden St., Baltimore, MD 21201-2436. JASN has been indexed by CURRENT CONTENTS/CLINICAL MEDICINE, CURRENT CONTENTS/LIFE SCIENCES, INDEX MEDICUS, BIOSIS. EXCERPTA MEDICA. Copyright © 1995 by the American Society of Nephrology.