

**EDITORIAL REVIEW**

**Chronic Dialysis In Patients Over Age 65**

Derrick L. Latos ..... 637

**AMERICAN RENAL TRAINING CENTER**

**Acute Renal Failure and the MELAS Syndrome, a Mitochondrial Encephalomyopathy**

Fred Hsieh, Reginald Gohh, Lance Dworkin ..... 647

**ARTICLES**

**Angiotensin II Modulates Glomerular Capillary Permselectivity In Rat Isolated Perfused Kidney**

Radoslaw Lapinski, Norberto Perico, Andrea Remuzzi, Fabio Sangalli, Ariela Benigni, Giuseppe Remuzzi ... 653

**Expression of Vascular Permeability Factor (VPF/VEGF) Is Altered In Many Glomerular Diseases**

Kenneth Shulman, Seymour Rosen, Kathi Tognazzi, Eleanor J. Manseau, Lawrence F. Brown ..... 661

**Arteriolar Wall Thickening, Capillary Rarefaction and Interstitial Fibrosis In the Heart of Rats with Renal Failure: The Effects of Ramipril, Nifedipine and Moxonidine**

Johannes Törnig, Kerstin Amann, Eberhard Ritz, Cornelia Nichols, Martin Zeier, Gerhard Mall ..... 667

**Renal Interstitial Sclerosis In Aging: Effects of Enalapril and Nifedipine**

Felipe Inserra, Luis A. Romano, Elena M.V. de Cavanagh, Liliana Ercole, León F. Ferder, R. Ariel Gomez ... 676

**Individual and Combined Effects of Verapamil or Trandolapril on Attenuating Hypertensive Glomerulopathic Changes In the Stroke-Prone Rat**

Klaus Münter, Stefan Hergenröder, Karin Jochims, Michael Kirchengast ..... 681

**Angiotensin II and Calcium Blockers Prevent Glomerular Phenotypic Changes In Remnant Kidney Model**

Akinori Hamaguchi, Shokel Kim, Hideki Wanibuchi, Hiroshi Iwao ..... 687

**Proteinase 3, the Major Autoantigen of Wegener's Granulomatosis, Enhances IL-8 Production by Endothelial Cells *In Vitro***

Stefan P. Berger, Marc A.J. Seelen, Pieter S. Hiemstra, Jort S.J. Gerritsma, Evert Heemskerk, Fokko J. van der Woude, Mohamed R. Daha ..... 694

**Identification of 17 Mutations In Ten Exons In the COL4A5 Collagen Gene, but No Mutations Found In Four Exons In COL4A6: A Study of 250 Patients with Hematuria and Suspected of Having Alport Syndrome**

Nilna Helskari, Xu Zhang, Jing Zhou, Anu Leinonen, David Barker, Martin Gregory, Curtis L. Atkin, Kai-Olaf Netzer, Manfred Weber, Stephen Reeders, Carola Grönhagen-Riska, Hartmut P.H. Neumann, Richard Trembath, Karl Tryggvason ..... 702

**Effect of Recombinant Human Insulin-Like Growth Factor-1 on the Inflammatory Response to Acute Renal Injury**

Nelson Goes, Joan Urmsom, Dianne Vincent, Vidyanand Ramassar, Phillip F. Halloran ..... 710

**Modulation of Renal Kallikrein Production by Dietary Protein In Streptozotocin-Induced Diabetic Rats**

Ayad A. Jaffa, Ricardo H. Silva, Bowman Kim, Ronald K. Mayfield ..... 721

**Hypoalbuminemia, Cardiac Morbidity, and Mortality in End-Stage Renal Disease**  
Robert N. Foley, Patrick S. Parfrey, John D. Harnett, Gloria M. Kent, David C. Murray, Paul E. Barre . . . . . 728

**Dialysis Adequacy and Nutrition Determine Prognosis in Continuous Ambulatory Peritoneal Dialysis Patients**  
L. Fung, C.A. Pollock, R.J. Caterson, J.F. Mahony, D.A. Waugh, C. Macadam, L.S. Ibels . . . . . 737

**Measurement of Residual Renal Function in Patients Treated with Continuous Ambulatory Peritoneal Dialysis**  
R.W. van Olden, R.T. Krediet, D.G. Struijk, L. Arisz . . . . . 745

**Relative Risk and Economic Consequences of Inpatient Care Among Patients with Renal Failure**  
Mae Thamer, Nancy Fox Ray, Sheila Nicole Fehrenbach, Christian Richard, Paul L. Kimmel . . . . . 751

**The Effects of Recombinant Human Erythropoietin on Functional Health and Well-Being in Chronic Dialysis Patients**  
Kathleen M. Beusterien, Allen R. Nissenson, Friedrich K. Port, Mary Kelly, Bruce Steinwald, John E. Ware, Jr. . . 763

**Effects of Recombinant Human Erythropoietin on Porphyrin Metabolism in Uremic Patients on Hemodialysis**  
Antonio Fontanellas, Jose A. Herrero, Francisco Coronel, Jose L. Santos, María J. Morán, Alberto Barrientos, Rafael Enríquez de Salamanca . . . . . 774

**Equations for Normalized Protein Catabolic Rate Based on Two-Point Modeling of Hemodialysis Urea Kinetics**  
Thomas A. Depner, John T. Daugirdas . . . . . 780

**A Logistic-Regression Model Provides Novel Guidelines to Maximize the Anti-Acute Rejection Properties of Cyclosporine with a Minimum of Toxicity**  
Annalisa Perna, Eliana Gotti, Ernesto de Bernardis, Norberto Perico, Giuseppe Remuzzi . . . . . 786

**Randomized Study with Cyclosporine in Kidney Transplantation: 10-Year Follow-Up**  
Claudio Ponticelli, Giovanni Civati, Antonio Tarantino, Filippo Quarto di Palo, Giuseppe Corbetta, Luigi Minetti, Antonio Vegeto, Lino Belli . . . . . 792

**Renal Transplantation Relieves the Symptoms but Does Not Reverse  $\beta$ 2-Microglobulin Amyloidosis**  
Georges Mourad, Àngel Argilés . . . . . 798

**CONCISE REPORT**

**Evidence in Hyponatremia Related to Inappropriate Secretion of ADH that  $V_1$  Receptor Stimulation Contributes to the Increase in Renal Uric Acid Clearance**  
G. Decaux, B. Namias, B. Gulbis, A. Soupart . . . . . 805

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. 7, No. 5

May 1996

**COMMENT**

Oral Ciprofloxacin for the First-Phase Treatment of Peritonitis Associated with Continuous Ambulatory Peritoneal Dialysis

Barry J. Zacherle ..... 811

**ANNOUNCEMENTS** ..... 813

**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.*

*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, and EXCERPTA MEDICA. Copyright © 1996 by the American Society of Nephrology.*