REGULAR ARTICLES

Cell Biology
Induction of Differentiation in Cultured Rat and Human Podocytes
Peter Mundel, Jochen Reiser, Wilhelm Kriz

Mouse Glomerular Epithelial Cells in Culture with Features of Podocytes in Vivo Express Aminopeptidase A
and Angiotensinogen but not Other Components of the Renin-Angiotensin System
Stef Mentzel, Jacco P.H.F. Van Son, Arjan S. De Jong, Henri B.P.M. Dijkman, Robert A.P. Koene, Jack F.M. Wetzels,
Karel J.M. Assmann

Immunology and Pathology
Renal Expression of Monocyte Chemoattractant Protein-1 in Lupus Autoimmune Mice
Carla Zojia, Xue-Hui Liu, Roberta Donadelli, Mauro Abbate, Davide Testa, Daniela Corna, Giulia Taraboletti,
Annunciata Vecchi, Qiang Gang Dong, Barrett J. Rollins, Tullio Bertani, Giuseppe Remuzzi

Involvement of IL-4 in Human Glomerulonephritis: An in Situ Hybridization Study of IL-4 mRNA and IL-4
Receptor mRNA
Akira Furušu, Masanobu Miyazaki, Takehiko Koji, Katsushige Abe, Yoshiyuki Ozono, Takashi Harada, Paul K. Nakane,
Kohei Hara, Shigeru Kohno

Pathophysiology of Renal Disease
Severe Uremia Depresses the Ability of Perifused Rat Pituitary Cells to Secrete Growth Hormone in Response to
Growth Hormone Releasing Hormone
Julian Rodríguez, Fernando Santos, María José García De Boto, Enrique García, Venancio Martínez, Porfirio Fernández,
Eduardo Carbajo-Pérez, Richard J. Krieg, Jr.

Renal Responses to Sodium Restriction in Patients with Early Diabetes Mellitus
Judith A. Miller

Quinapril Decreases Renal Endothelin-1 Expression and Synthesis in a Normotensive Model of Immune-
Complex Nephritis
Marta Ruíz-Ortega, Dulcenombre Gómez-Garre, Xue Hui Liu, Julia Blanco, Raquel Largo, Jesús Egido

Clinical Nephrology
Prognostic Significance of the Early Course of Minimal Change Nephrotic Syndrome: Report of the
International Study of Kidney Disease in Children
Penina Tarshish, Jonathan N. Tobin, Jay Bernstein, Chester M. Edelmann, Jr.

Protein Intake in Renal Disease
Carol A. Pollock, Lloyd S. Ibels, F.-Y. Zhu, Muriel Warnant, Robyn J. Caterson, David A. Waugh, John F. Mahony

Effect of an Acute Oral Protein Load on Renal Acidification in Healthy Humans and in Patients with Chronic
Renal Failure
Natale G. De Santo, Giovambattista Capasso, Gerhard Malnic, Pietro Anastasio, Lucia Spitali, Angela D’Angelo

Contrasting Effects of Calcium Channel Blockade versus Converting Enzyme Inhibition on Proteinuria in
African Americans with Non-Insulin-Dependent Diabetes Mellitus and Nephropathy
Antonio Guasch, Mark Parham, Carlos F. Zayas, Orville Campbell, Chike Nzerue, Edwin Macon

continued on next page
Dialysis
Studies on Platelet Membrane Glycoproteins and Platelet Function During Hemodialysis
James A. Sloand, Elaine M. Sloand
Extracorporeal Therapy Requirements for Patients with Acute Renal Failure
William R. Clark, Bruce A. Mueller, Michael A. Kraus, William L. Macias
Transplantation
Determinants of Intrarenal Doppler Indices in Stable Renal Allografts
Bernd Krumme, Wolfgang Grotz, Günter Kirste, Peter Schollmeyer, Lars Christian Rump

BRIEF COMMUNICATIONS

Immunology and Pathology
Expression of PDGF and PDGF Receptor mRNA in Glomeruli in IgA Nephropathy
Yoshio Terada, Takehisa Yamada, Osamu Nakashima, Sei Sasaki, Hiroshi Nonoguchi, Kimio Tomita, Fumiaki Marumo

Molecular Medicine, Genetics, and Development
Apolipoprotein E Sendai (Arginine 145→Proline): A New Variant Associated with Lipoprotein Glomerulopathy
Shinichi Oikawa, Akira Matsunaga, Takao Saito, Hiroshi Sato, Takafumi Seki, Katsuhiko Hashi, Kocho Hayasaka, Hidetoshi Kotake, Hiroshi Midorikawa, Akihiro Sekikawa, Susumu Haru, Keishi Abe, Takayoshi Toyota, Hisato Jingami, Haruki Nakamura, Jun Sasaki
See related editorial by Karet and Lifton

DISEASE OF THE MONTH
Treatment of the Idiopathic Nephrotic Syndrome: Regimens and Outcomes in Children and Adults
Bruce M. Tune, Stanley A. Mendoza

MILESTONES IN NEPHROLOGY

EDITORIALS
Lipoprotein Glomerulopathy: A New Role for Apolipoprotein E?
Fiona E. Karet, Richard P. Lifton
The Nephrology Manpower Study: What Does It Mean and What Do We Do Now?
William G. Couser
Estimating Workforce and Training Requirements for Nephrologists Through the Year 2010: Pediatric Perspectives
Robert L. Chevalier
See Supplement 9, Volume 8, May 1997, for full report

AMERICAN RENAL TRAINING CENTERS SERIES
Nephrotic Syndrome, Renal Failure, and Renal Malignancy: An Unusual Tumor-Associated Glomerulonephritis
Mashood Ahmed, Karim Solangi, Rakesh Abbi, Stephen Adler
Acidosis and Coma after Hemodialysis
Robert Taylor, John Bower, Mahmoud M. Salem

ANNOUNCEMENTS

ATTENTION ALL MANUSCRIPT CONTRIBUTORS The Journal of the American Society of Nephrology will assess excess page charges on articles and brief communications that exceed four pages in length at a charge of $60.00 per printed page. Invited reviews, editorials, and special features will be exempt.

The 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. Periodicals postage paid at Baltimore, MD and at additional mailing offices. Subscription rates: $255 U.S. ($330 for delivery to other countries); institutions: $359 U.S. ($434 for delivery to other countries); in-training: $102 U.S. ($172 for delivery to other countries); single copy: $32 ($38 foreign). Subscription prices subject to change. Annual dues include $70 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. C.P.C. International Publication Mail Number 0953814. 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. The Journal has been indexed by CURRENT CONTENTS/CLINICAL MEDICINE, CURRENT CONTENTS/LIFE SCIENCES, INDEX MEDICUS, BIOSIS, and EXCERPTA MEDICA. Copyright © 1997 by the American Society of Nephrology.