EDITION REVIEW
Endothelium-Derived Relaxing Factor, Nitric Oxide: Effects on and Production by Mesangial Cells and the Glomerulus
Leopoldo Raji, Pamela J. Shultz ........................................... 1435

AMERICAN RENAL TRAINING CENTERS
Autosomal Dominant Polycystic Kidney Disease
John C. Lieske, F. Gary Toback ........................................... 1442

ARTICLES
Elevated Blood Pressure Profile and Left Ventricular Mass in Children and Young Adults With Autosomal Dominant Polycystic Kidney Disease
Martin Zeier, Steffen Geberth, Klaus Georg Schmidt, Alexander Mandelbaum, Eberhard Ritz ................. 1451

Heterogeneous Nature of Renal Lesions in Type II Diabetes
Vincenzo Gambara, Giuliano Mecca, Giuseppe Remuzzi, Tuttilo Bertani ................................................ 1458

Racial Variation in Human Leukocyte Antigen Frequency in Insulin-Dependent Diabetic Nephropathy
Barry L. Freedman, Mark A. Espeland, Eugene R. Heise, Joni Evans, Vincent J. Canzanello, in association with the South-Eastern Organ Procurement Foundation ........................................... 1467

Tissue Concentration and Urinary Excretion Pattern of Sulfoflurescein by the Rat Kidney
U. Ammer, Y. Natohchin, K.J. Ullrich ................................... 1474

Regulation of the Renal Na:K Pump: Role of Progesterone
Salim K. Mujais, Nancy A. Nora, Yong Chen ......................... 1488

Induction of Renal Arachidonate Cytochrome P-450 Epoxidegenase After Uninephrectomy: Counterregulation of Hyperfiltration
Kihito Takahashi, Raymond C. Harris, Jorge H. Capdevila, Armando Karara, Keiko Makita, Harry R. Jacobson, Karen A. Munger, Kamal F. Badr ........................................... 1496

Serum Albumin in Patients on Continuous Ambulatory Peritoneal Dialysis—Predictors and Correlations With Outcomes
Peter G. Blake, Gordon Flowerdew, Rose M. Blake, Dimitrios G. Oreopoulos ........................................... 1501

Peritoneal Dialysis Fluid Inhibition of Phagocyte Function: Effects of Osmolality and Glucose Concentration
Tomasz Liberek, Nicholas Topley, Achim Jörres, Gerald A. Coles, Gerhard M. Gahl, John D. Williams ........ 1508

continued
Contents Continued

Vol. 3, No. 8 February 1993

Protein Catabolic Rate in Patients with Acute Renal Failure on Continuous Arteriovenous Hemofiltration and Total Parenteral Nutrition
Cinda S. Chima, Lisa Meyer, A. Christine Hummell, Cindy Bosworth, Robert Heyka, Emil P. Paganini, Andrzej Werynski .................................................. 1516

Angiotensin or Thromboxane Receptor Antagonism in Rats With Congenital Hydronephrosis
Richard C. Vari, Frank G. Boineau, John E. Lewy ............................................. 1522

ANNOUNCEMENTS .................................................................................. 1530

Information for Subscribers

Correspondence concerning business matters should be addressed to: Customer Service, Subscriptions, Williams & Wilkins, 428 E. Preston Street, Baltimore, MD 21202-3993. Telephone 1-(800) 638-6423 from anywhere in the U.S. and Canada. From other countries, call (410) 428-8555. Fax: (410) 528-8596. Correspondence regarding editorial matters should be addressed to the Editor: Jared J. Grantham, M.D., JASN, University of Kansas Medical Center, 3901 Rainbow Blvd., Kansas City, Kansas 66160-7361. For information on American Society of Nephrology membership, contact: Sherri Thomson (202) 857-1190. Instructions to Authors appears in each issue. Annual Subscription Rates: U.S.: Personal $120.00; Institutional $170.00; In-training $55.00; Single copy $16.00. Foreign prices exclude Japan. Europe, air freight delivery: Personal $190.00; Institutional $240.00; In-training $125.00. Other countries, surface delivery: Personal $160.00; Institutional $210.00; In-training $95.00; Single copy $19.00. Special In-training rate is available to residents, interns and students for a period of three years. In requesting this rate, please indicate training status and name of institution. This special in-training rate can be extended to all participants in four-year training programs, provided that sufficient proof of training status is supplied. Institutional (multiple reader) rate applies to libraries, schools, hospitals, clinics, group practices, and federal, commercial and private institutions and organizations. For Japanese rates, please contact: Igaku-Shoin MYW Ltd., 3-23-14 Hongo, Bunkyo-Ku, Tokyo 113, JAPAN. Phone: (03) 5689-5400 or 5401. Fax: (03) 5689-5402. PRICES ARE SUBJECT TO CHANGE. The GST number for Canadian subscribers is 123394371. New subscriptions received before May 1st of each year will begin with the first issue of the year. Subscriptions received between May 1st and October 31st will start with the mid-year issue. Subscriptions received after October 31st will start with the first issue of the following year. Subscriptions may start with any current year’s issue upon request. Subscriptions should be renewed promptly to avoid a break in journal delivery. The publisher cannot guarantee to supply back issues on late renewals. Change of address: The publisher must be notified 60 days in advance. Journals undeliverable because of incorrect address will be destroyed. Duplicate copies may be obtained, if available, from the Publisher at the regular price of a single issue. Send address changes to The American Society of Nephrology, 428 East Preston Street, Baltimore, MD 21202-3993. Reprints of individual articles are available only from the authors. Reprints in large quantities, for commercial or academic use, may be purchased from the Publisher. For information and prices call (410) 528-5580. Microfilm and Microfiche: Prices are available upon request. Microfilm editions may be ordered from Williams & Wilkins. The Journal’s subscription list is available for rental on a controlled basis from Williams & Wilkins. All promotional literature must be approved in advance. Bound volumes for Volume 2 will be available early 1993 to subscribers only. Orders must be received by the Publisher before December 1, 1992. Disclaimer: The statements and opinions contained in the articles of JASN Journal of the American Society of Nephrology are solely those of the individual authors and contributors and not of the American Society of Nephrology or Williams & Wilkins. The appearance of advertisements in the Journal is not a warranty, endorsement or approval of the products or services advertised or of their effectiveness, quality or safety. The American Society of Nephrology and the Publisher disclaim responsibility for any injury to persons or property resulting from any ideas or products referred to in the articles or advertisements. Volume Index appears in the June issue. Indexing: The Journal is currently included in the following abstracting and indexing services: Index Medicus, Current Contents (Clinical Medicine) and BIOSIS. Copyright and Permission Information: Materials in JASN Journal of the American Society of Nephrology are covered by copyright. No part of this publication may be reproduced or transmitted in any form without written permission from the publisher. Copyright Law is granted by the publication, through a fee of $3.00 per article which is paid and forwarded through the Copyright Clearance Center, 21 Congress Street, Salem, MA 01970.