EDITORIAL REVIEW

Hepatorenal Syndrome: Emerging Perspective of Pathophysiology and Therapy
Murray Epstein .......................................................... 1735

AMERICAN RENAL TRAINING CENTERS

Abnormal Endocrine Tests in a Hemodialysis Patient
Linda Hochstetler, Michael J. Flanigan, Victoria S. Lim ............................................. 1754

ARTICLES

Activation of Procollagenase IV by Cytochalasin D and Concanavalin A in Cultured Rat Mesangial Cells: Linkage to Cytoskeletal Reorganization
Menachem Allenberg, Talia Weinstein, Ivan Li, Mei Silverman .................. 1760

Rat Mesangial Cells in Culture Synthesize and Secrete Tenascin
Luan D. Truong, Mark W. Majesky, Jana Findur ............................................. 1771

The Effect of Prostaglandin E2 on mRNA Expression and Secretion of Collagens I, III, and IV and Fibronectin in Cultured Rat Mesangial Cells
Gunther Zahner, Martina Disser, Friedrich Thaiss, Gunter Wolf, Wilhelm Schoeppe, Rolf A.K. Stahl .... 1778

Erythropoietin Therapy in Humans Increases Erythrocyte Expression of Complement Receptor Type I (CD35)
Lee A. Hebert, Daniel J. Birmingham, John J. Dillon, Fernando G. Costo, Xiao-Ping Shen ... 1786

Role of Endogenous Peripheral Opioid Mechanisms in Renal Function
Gerald F. DiBona, Susan Y. Jones .................................................. 1792

Pair-Tested Renal Reserve Filtration Capacity in Kidney Recipients and Their Donors
Piet M. ter Wee, Adam M. Tejzess, Ab JM Donker ............................................. 1798

Probability of Thrombosis of Vascular Access Among Hemodialysis Patients Treated With Recombinant Human Erythropoetin

The Role of Parathyroid Hormone in the Genesis of Intersitial Cardiac Fibrosis of Uremia
Kerstin Amann, Gabrielle West, Gunther Klaus, Eberhard Ritz, Gerhard Mall .................. 1814

Relationship Between Body Size, Fill Volume, and Mass Transfer AreaCoefficient in Peritoneal Dialysis
Prakash Keshaviah, Paul F. Emerson, Edward V. Vonesh, James C. Brandes .................. 1820

continued
JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY

CONTENTS

INFORMATION FOR SUBSCRIBERS

JASN THE JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY—Frequency: Monthly One Volume per year beginning in July. 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 66160-7364. For information on American Society of Nephrology membership, contact: Sherry Thompson (202) 887-1190. Instructions to Authors appears in each issue. Annual Subscription Rates: U.S.: Personal $130.00; Institutional $165.00; In-training $55.00; Single copy $16.00. Foreign prices exclude Japan. Europe, air freight delivery: Personal $205.00; Institutional $260.00; In-training $125.00. Other countries, surface delivery: Personal $175.00; Institutional $280.00; In-training $95.00; Single copy $21.00. 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: Igakushoin 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. Country of origin USA. 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 begin 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) 528-4292. 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 Volumes 3, 5, and 6 will be available early 1995 to subscribers only. (U.S. $82.00; Foreign $92.00). Orders must be received by the Publisher before December 1, 1994. 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. 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/Abstracting Services: The Journal is currently included by the following services in print and/or electronic format: Index Medicus, Current Contents (Clinical Medicine) Current Contents/Life Sciences, and BIOSIS. Copyright Information: JASN. THE JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY is copyrighted by the American Society of Nephrology. No portion(s) of this work(s) may be reproduced without written consent from the Publisher. Permission to reproduce copies of articles for non-commercial use may be obtained from the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, (508) 750-8400, with a fee of $3.00 per copy.