REGULAR ARTICLES

Cell and Transport Physiology

The Cytochrome P-450 Inhibitor Cobalt Chloride Prevents Inhibition of Renal Na,K-ATPase and Redistribution of Apical NHE-3 During Acute Hypertension

Yibin B. Zhang, Clara E. Magyar, Niels-H. Holstein-Rathlou, Alicia A. McDonough

531

Regulation of Na⁺, K⁺-ATPase in the Rat Outer Medullary Collecting Duct During Potassium Depletion

Bénédicte Buffin-Meyer, Jean-Marc Verbavatz, Lydie Cheval, Sophie Mary, Mauricio Younes-Ibrahim, Corinne Le Moal, Alain Doucet

538

Participation of Mercuric Conjugates of Cysteine, Homocysteine, and N-Acetylcysteine in Mechanisms Involved in the Renal Tubular Uptake of Inorganic Mercury

Rudolfi K. Zalups, Delon W. Barfuss

551

Hemodynamics, Hypertension, and Vascular Regulation

Renal Impairment in Chronic Cigarette Smokers

Giovanni Gambaro, Fabio Verkonda, Alessandro Budakovici, Dario Casara, Giorgio Saladini, Dorella Del Prete, Giselda Bertaglia, Maurizio Masiero, Simone Checchetto, Bruno Baggio

562

Immunology and Pathology

Mesangial Cells Possess an Asialoglycoprotein Receptor with Affinity for Human Immunoglobulin A

Carmen Gómez-Guerrero, Natalia Duque, Jesús Egido

568

Analyses of IgA1 Hinge Glycopeptides in IgA Nephropathy by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry

Yoshiyuki Hiki, Atsushi Tanaka, Tohru Kokudo, Hitoo Iwase, Joji Nishikido, Kyoko Hotta, Yutaka Kobayashi

577

Thrombin Regulates PDGF Expression in Bovine Glomerular Endothelial Cells

Giuseppe Grandaliano, Goutam Gosh Choudhury, Earl Poptic, Kathleen Woodruff, Jeffrey L. Barnes, Hanna E. Abboud

583

CD59 Protects Glomerular Endothelial Cells from Immune-Mediated Thrombotic Microangiopathy in Rats

Masaomi Nangaku, Charles E. Alpers, Jeffrey Pippin, Stuart J. Shankland, Kiyoshi Kurokawa, Stephen Adler, B. Paul Morgan, Richard J. Johnson, William G. Couser

590

Molecular Medicine, Genetics, and Development

Characterization of Two Polymorphic Sites in the Human Kinin B₁ Receptor Gene: Altered Frequency of an Allele in Patients with a History of End-Stage Renal Failure

Dimcho R. Bachvarov, Michelle Landry, Isabelle Pelletier, Mario Chevrette, Christine Betard, Isabelle Houde, Jean Bergeron, Marcel Lebel, François Marceau

598

continued on next page
Pathophysiology of Renal Disease

A Possible Molecular Basis of Natriuresis During Ischemic-Reperfusion Injury in the Kidney
Zhaohui Wang, Hamid Rabb, Mahmudul Haq, Gary E. Shull, Manoocher Soleimani 605

Role of IL-1 in Renal Ischemic Reperfusion Injury
Mahmudul Haq, James Norman, Sabiha R. Saba, German Ramirez, Hamid Rabb 614

Induction of Apoptosis in Ischemia-Reperfusion Model of Mouse Kidney: Possible Involvement of Fas
Shoji Nogae, Masanobu Miyazaki, Nobuyuki Kobayashi, Takao Saito, Keishi Abe, Hiroshi Saito, Paul K. Nakane,
Yoshinobu Nakanshi, Takehiko Koji 620

Evolution of Tubulointerstitial Fibrosis in Experimental Renal Infection and Scarring
Tim D. Hewitson, Ian A. Darby, Teresa Bisucci, Colin L. Jones, Gavin J. Becker 632

Clinical Nephrology

Exogenous Norepinephrine Induces an Enhanced Microproteinuric Response in Microalbuminuric Insulin-Dependent Diabetes Mellitus

Dialysis

Neutrophil Impairment Associated with Iron Therapy in Hemodialysis Patients with Functional Iron Deficiency
Sanda I. Patrula, Roland Edlinger, Gere Sunder-Plasmann, Walter H. Hör 655

Intravenous Infusion of Total Dose Iron Is Superior to Oral Iron in Treatment of Anemia in Peritoneal Dialysis Patients: A Single Center Comparative Study
Nasimul Ahsan 664

New Strategies to Prevent Staphylococcus Aureus Infections in Peritoneal Dialysis Patients
Andreas Vychytil, Matthias Lorenz, Barbara Schneider, Walter H. Hörl, Marianne Haag-Weber 669

Transplantation

Analysis of Fracture Prevalence in Kidney-Pancreas Allograft Recipients
May Y. Chiu, Stuart M. Sprague, David S. Bruce, E. Steve Woodle, J. Richard Thistelawaite Jr., Michelle A. Josephson 677

A Retrospective Study of Kidney Transplant Recipients from Living Unrelated Donors
Ricardo Sesso, Michelle A. Josephson, Meide S. Anção, Sergio A. Draibe, Daniel Sigulem 684

BRIEF COMMUNICATION

Predictors of Mortality and the Provision of Dialysis in Patients with Acute Tubular Necrosis

REVIEW

The Aging Kidney: Insights from Experimental Studies
Chris Baylis, Bruno Corman 699

continued on next page
DISEASE OF THE MONTH

Hospital-Acquired Acute Renal Failure
Charles R. Nolan, Robert J. Anderson

MILESTONES IN NEPHROLOGY

The Treatment of Chronic Uremia by Means of Intermittent Hemodialysis: A Preliminary Report

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.