REGULAR ARTICLES

Cell and Structural Biology
Increased Epithelial Cell Proliferation and Abnormal Extracellular Matrix in Rat Polycystic Kidney Disease
Kumudha Ramasubbu, Norbert Gretz, Sebastian Bachmann 937

Immunolocalization and Tissue-Specific Splicing of AE2 Anion Exchanger in Mouse Kidney
Alan K. Stuart-Tiley, Boris E. Shmukler, Dennis Brown, Seth L. Alper 946

Cell and Transport Physiology
Long-Term Protein Exposure Reduces Albumin Binding and Uptake in Proximal Tubule-Derived Opossum Kidney Cells
Michael Gekle, Sigrid Mildenberger, Ruth Freudinger, Stefan Silbernagl 960

Hormones, Autacoids, and Growth Factors
Effects of Angiotensin II on Endothelial Cell Growth: Role of AT-1 and AT-2 Receptors
Mercedes Montón, María Angeles Castilla, María Victoria Alvarez Arroyo, Dunyong Tan, Francisco R. González-Pacheco, Antonio López Farré, Santos Casado, Carlos Caramelo 969

Dopamine Regulates Phosphate Uptake by Opossum Kidney Cells Through Multiple Counter-Regulatory Receptors
Eleanor D. Lederer, Sameet S. Sohi, Kenneth R. McLeish 975

The Cyclin Kinase Inhibitor p21^{WAF1}, CIP1 Is Increased in Experimental Diabetic Nephropathy: Potential Role in Glomerular Hypertrophy
Chia-Jen Kuan, Mouhannad Al-Douahji, Stuart J. Shankland 986

Immunology and Pathology
Anti-Vitronectin Antibodies Enhance Anti-Thy-1-Induced Proteinuria in PVG/C, But Not in Wistar Rats
Mieneke G. A. Van Dixhoorn, Daniel Salazar-Escaire, Toshinobu Sato, Mohamed R. Daha, Richard J. Quigg, Jan A. Bruijn, William G. Couser, Emile De Heer 994

Chronic Obstructive Uropathy in Severe Combined Immunodeficient (SCID) Mice: Lymphocyte Infiltration Is Not Required for Progressive Tubulointerstitial Injury
Scott B. Shappell, Tayfun Gurpinar, Juan Lechago, Wadi N. Suk, Luan D. Truong 1008

Myocyte/Capillary Mismatch in the Heart of Uremic Patients
Kerstin Amann, Michael Breitbach, Eberhard Ritz, Gerhard Mall 1018

continued on next page
Molecular Medicine, Genetics, and Development

Ultrastructural and Immunohistochemical Findings in Alport’s Syndrome: A Study of 108 Patients from 97 Italian Families with Particular Emphasis on COL4A5 Gene Mutation Correlations
Gianna Mazzucco, Paola Barsotti, Andrea Onesti Muda, Mirella Fortunato, Michael Mihatsch, Laura Torri-Tarelli, Alessandra Renieri, Tullio Faraggiiana, Mario De Marchi, Guido Monga

Receptors of Vascular Endothelial Growth Factor/Vascular Permeability Factor (VEGF/VPF) in Fetal and Adult Human Kidney: Localization and [125I]VEGF Binding Sites
Matthias Simon, Wolfgang Röckl, Carsten Hornig, Elisabeth F. Gröne, Henner Theis, Herbert A. Weich, Eberhard Fuchs, Avner Yayon, Hermann-Josef Gröne

The Genetics of Renal Tumors in End-Stage Renal Failure Differs from Those Occurring in the General Population
Jerzy Chudek, Jutta Herbers, Mónica Wilhelm, Christiane Kenck, Peter Bugert, Eberhard Ritz, Fred Waldman, Gyula Kovacs

Pathophysiology of Renal Disease

Angiotensin-Converting Enzyme Inhibition Reduces the Effect of Bromoethylamine-Induced Papillary Necrosis and Renal Fibrosis
Sandra L. Garber, Yelena Mirochnik, Sapan S. Desai, Jose A. L. Arruda, George Dunea

Glutathione Reverses the Growth Abnormalities of Skin Fibroblasts from Insulin-Dependent Diabetic Patients with Nephropathy
Anna Morocutti, Meera Sethi, Anthea Hayward, Alice Lee, Giancarlo Viberti

Clinical Nephrology

Leucine Turnover in Patients with Nephrotic Syndrome: Evidence Suggesting Body Protein Conservation
Victoria S. Lim, Marsha Wolfson, Kevin E. Yarasheski, Michael J. Flanigan, Joel D. Kopple

Inappropriate Elevation of Serum Leptin Levels in Children with Chronic Renal Failure
Markus Daschner, Burkhard Tonshoff, Werner F. Blum, Piera Englaro, Anne-Margret Wingen, Franz Schaefer, Elke Wühl, Wolfgang Rascher, Otto Mehls

Dialysis

Leptin, Body Composition, and Indices of Malnutrition in Patients on Dialysis
Kirsten L. Johansen, Kathleen Mulligan, Viva Tai, Morris Schambelan

Staphylococcus Aureus Prophylaxis in Hemodialysis Patients Using Central Venous Catheter: Effect of Mupirocin Ointment
Ricardo Sesso, Dulce Barbosa, Ivani L. Leme, Helio Sader, Maria E. Canziani, Silvia Manfredi, Sergio Draibe, Antonio C. Pignatari

Elevation of Whole-Blood Glutathione in Peritoneal Dialysis Patients by L-2-Oxothiazolidine-4-Carboxylate, a Cysteine Prodrug (Procysteine®)

Transplantation

Living Unrelated (Commercial) Renal Transplantation in Children
Yaacov Frishberg, Sofia Feinberg, Alfred Drucker

continued on next page
Losartan, an Angiotensin II Type 1 Receptor Antagonist, Lowers Hematocrit in Posttransplant Erythrocytosis

Bruce A. Julian, Roman R. Brantley Jr., Catherine V. Barker, Tomas Stopka, Robert S. Gaston, John J. Curtis, Jeannette Y. Lee, Josef T. Prchal

1104

Fibrosing Cholestatic Hepatitis in Hepatitis C Virus-Infected Renal Transplant Recipients

Eduardo Muñoz De Bustillo, Carolina Ibarrola, Francisco Colina, Gregorio Castellano, Antonio Fuertes, Amado Andrés, Jose M. Aguado, Jose L. Rodicio, Jose M. Morales

1109

REVIEW

Advances in the Cell Biology and Genetics of Human Kidney Malformations

Adrian S. Woolf, Paul J. D. Winyard

1114

DISEASE OF THE MONTH

The Pathogenesis and Treatment of Hemolytic Uremic Syndrome

Bernard S. Kaplan, Kevin E. Meyers, Seth L. Schulman

1126

MILESTONES IN NEPHROLOGY


1134

ANNOUNCEMENTS

Cover picture: Proliferating cell nuclear antigen (PCNA) immunofluorescence staining and interference contrast microscopy illustrating cysts of different sizes with densely packed, PCNA-positive nuclei in kidney from 3-wk-old homozygous polycystic kidney disease rat. For a full description, see the related article in this issue by Kumudha Ramasubbu et al., pp 937–945.