REGULAR ARTICLES

Cell and Transport Physiology
Catecholamines Modulate Podocyte Function
Tobias Bruno Huber, Joachim Gloy, Anna Henger, Peter Schollmeyer, Rainer Greger, Peter Mundel, Hermann Pavenstäd

Hemodynamics, Hypertension, and Vascular Regulation
Cortical and Medullary Hemodynamics in Deoxycorticosterone Acetate-Salt Hypertensive Mice
Volkmar Gross, Andrea Lippoldt, Jürgen Bohlender, Michael Bader, Anita Hanson, Friedrich C. Luft

Dietary Salt Loading Decreases the Expressions of Neuronal-Type Nitric Oxide Synthase and Renin in the Juxtaglomerular Apparatus of Angiotensinogen Gene-Knockout Mice
Minoru Kihara, Satoshi Umemura, Machiko Yabana, Yoichi Sumida, Nobuo Nyui, Kouichi Tamura, Tetsuo Kadota, Reiji Kishida, Kazuo Murakami, Akiyoshi Fukamizu, Masao Ishii

Genetic Differences Define Severity of Renal Damage after 1-NAME-Induced Hypertension in Rats
Richard P. E. Van Dokkum, Howard J. Jacob, Abraham P. Provoost

Hormones, Autacoids, and Growth Factors
Activation of Glomerular Mitogen-Activated Protein Kinases in Angiotensin II-Mediated Hypertension
Akinori Hamaguchi, Shokei Kim, Masahiko Yano, Shinya Yamanaka, Hiroshi Iwao

Immunology and Pathology
Development of Vascular Pole-Associated Glomerulosclerosis in the Fawn-Hooded Rat
Wilhelm Kri

Inhibition of Matrix Metalloproteinases Attenuates Anti-Thy.1.1 Nephritis
Karin Steinmann-Niggli, Ruth Ziswiler, Marc Küng, Hans-Peter Marti

Expression and Localization of Cyclooxygenase Isoforms and Cytosolic Phospholipase A2 in Anti-Thy-1 Glomerulonephritis
Shintaro Hirose, Tadashi Yamamoto, Lili Feng, Eishin Yoita, Katsutoshi Kawasaki, Shin Goto, Hidehiko Fujinaka, Curtis B. Wilson, Masaaki Arakawa, Itaru Kihara

Rat Mesangial Cells Express Macrophage Migration Inhibitory Factor In Vitro and In Vivo
Gregory H. Tesch, David J. Nikolic-Paterson, Christine N. Metz, Wei Mu, Michael Bacher, Richard Bucala, Robert C. Atkins, Hui Y. Lan

continued on next page
Molecular Medicine, Genetics, and Development

The 1α-Hydroxylase Locus Is Not Linked to Calcium Stone Formation or Calciuric Phenotypes in French-Canadian Families
Patrick Scott, Denis Ouimet, Yanick Proulx, Marie-Lucie Trouvé, Gérald Guay, Bernard Gagnon, Luc Valiquette, Alain Bonnardeaux

Pathophysiology of Renal Disease

TNF-α Increases Albumin Permeability of Isolated Rat Glomeruli Through the Generation of Superoxide
Ellen T. McCarthy, Ram Sharma, Mukut Sharma, Jing-Zi Li, Xiu-Li Ge, Kostarappas N. Dileepan, Virginia J. Savin

Mechanisms Contributing to Muscle Wasting in Acute Uremia: Activation of Amino Acid Catabolism

Clinical Nephrology

A Randomized Study Comparing Methylprednisolone Plus Chlorambucil Versus Methylprednisolone Plus Cyclophosphamide in Idiopathic Membranous Nephropathy
Claudio Ponticelli, Paolo Altieri, Francesco Scolari, Patrizia Passerini, Dario Roccatello, Bruno Cesana, Patrizia Meli, Brunella Valzorio, Mauro Sadelli, Sonia Pasquali, Claudio Pozzi, Giuseppe Piccoli, Antonio Lupo, Siro Segagni, Francesco Antonucci, Mauro Dugo, Marilena Minari, Alfio Scalia, Luciano Pedrini, Gabriele Pisano, Claudio Grassi, Marco Farina, Roberto Bellazzi

Dialysis

Isolation of Modified Ubiquitin as a Neutrophil Chemotaxis Inhibitor from Uremic Patients
Gerald Cohen, Michael Rudnicki, Walter H. Hörl

Nature and Biological Significance of Free Radicals Generated During Bicarbonate Hemodialysis
Monica M. Epperlein, Jaffar Nourooz-Zadeh, S. Dakshina Jayasena, John S. Hothersall, Alberto Noronha-Dutra, Guy H. Neild

Effect of Formaldehyde/Bleach Reprocessing on In Vivo Performances of High-Efficiency Cellulose and High-Flux Polysulfone Dialyzers
Bhamidzpati V. R. Murthy, Sumuk Sundaram, Bertrand L. Jaber, Christopher Perrella, Klemens B. Meyer, Brian J. G. Pereira

Transplantation

Pretransplantation Hemodialysis Strategy Influences Early Renal Graft Function
Ann A. Van Loo, Raymond C. Vanholder, Pascale R. Bernaert, Frank E. Vermassen, Marc Van Der Vennet, Norbert H. Lameire

Identification of Clinical and Histopathologic Risk Factors for Diminished Renal Function 2 Years Posttransplant
Peter Nickerson, John Jeffery, James Gough, Rachel McKenna, Paul Grimm, Mary Cheang, David Rush

BRIEF COMMUNICATIONS

Atherogenic Lipoproteins Stimulate Mesangial Cell p42 Mitogen-Activated Protein Kinase
Babu V. Bassa, Daeyeong D. Roh, Michael A. Kirschenbaum, Vaijinnath S. Kamanna

Gender, Degree of Obesity, and Discrepancy Between Urea and Creatinine Clearance in Peritoneal Dialysis
Antonios H. Tsamaloukas, Deepak Malhotra, Glen H. Murata

continued on next page
PRESIDENTIAL ADDRESS
Our Seed Corn
Robert G. Luke

DISEASE OF THE MONTH
Acute Interstitial Nephritis
Donna M. Michel, Carolyn J. Kelly

MILESTONES IN NEPHROLOGY

ANNOUNCEMENTS

ERRATUM

Cover picture: Schematic illustration depicting development of segmental glomerulosclerosis in Fawn-hooded rat. Left, normal glomerulus; right, damaged glomerulus with paraglomerular space (shown in yellow), which contains sclerotic tuft remnants. For a full description, see the related article in this issue by Wilhelm Kriz et al., pp 381–396.

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.