REGULAR ARTICLES

Cell and Transport Physiology

11β-Hydroxysteroid Dehydrogenase, Mineralocorticoid Receptor, Thiazide-Sensitive Na-Cl Cotransporter Expression by Distal Tubules
Magdalena Bostonjoglo, W. Brian Reeves, Robert F. Reilly, Heino Velázquez, Noreen Robertson, Gerald Litwack, Peter Morsing, Jens Derup, Sebastian Bachmann, David H. Ellison

Renal Tubular and Vascular Urea Transporters: Influence of Antidiuretic Hormone on Messenger RNA Expression in Brattleboro Rats
Dominique Promeneur, Lise Bankir, Ming-Chang Hu, Marie-Marcelle Trinh-Trang-Tan

Hormones, Growth Factors, and Cell Signaling

Effects of Prednisolone on Glomerular Signal Transduction Cascades in Experimental Glomerulonephritis
Masumi Seto, Shokei Kim, Hiroto Yoshifusa, Yutaka Nakamura, Tatsunori Masuda, Akinori Hamaguchi, Shinya Yamanaka, Hiroshi Iwao

Lovastatin Modulates in Vivo and in Vitro the Plasminogen Activator/Plasmin System of Rat Proximal Tubular Cells: Role of Geranylgeranylation and Rho Proteins
Marie Essig, François Vrtovsnik, Geneviève Nguyen, Jean-Daniel Sraer, Gérard Friedlander

Immunology and Pathology

Mechanisms of Progressive Glomerular Injury in Membranous Nephropathy

Progressive Glomerular Injury in the MWF Rat Is Predicted by Inborn Nephron Deficit
Annamaria Fassi, Fabio Sangalli, Raffaello Maffi, Francesca Colombi, Ehab I. Mohamed, Barry M. Brenner, Giuseppe Remuzzi, Andrea Remuzzi

Attenuation of Murine Lupus Nephritis by Mycophenolate Mofetil
Mieke C. J. Van Bruggen, Birgitte Walgreen, Truus P. M. Rijke, Jo H. M. Berden

Mineral Metabolism and Bone Disease

Inhibition of Calbindin D28K Expression by Cyclosporin A in Rat Kidney: The Possible Pathogenesis of Cyclosporin A-Induced Hypercalciuria
Chul Woo Yang, Jin Kim, Young Hee Kim, Jung Ho Cha, So Youn Mim, Young Ok Kim, Young Shin Shin, Yong Soo Kim, Byung Kee Bang

19-Nor-1α-25-Dihydroxyvitamin D2 (Paricalcitol) Safely and Effectively Reduces the Levels of Intact Parathyroid Hormone in Patients on Hemodialysis
Kevin J. Martin, Esther A. González, Mary Gellens, L. Lee Hamm, Hanna Abboud, Jill Lindberg

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Comparison of α5(IV) Collagen Chain Expression in Skin with Disease Severity in Women with X-Linked Alport Syndrome

Koichi Nakanishi, Kazumoto Iijima, Naoto Kuroda, Yuji Inoue, Yoshikazu Sado, Hajime Nakamura, Norishige Yoshikawa

Pathophysiology of Renal Disease

Captopril Prevents Nephropathy in HIV-Transgenic Mice


Cisplatin Induces N-Acetyl Cysteine Suppressible F2-Isoprostane Production and Injury in Renal Tubular Epithelial Cells

Abdulla Salahudeen, Vandana Poovalu, Wilson Parry, Ravi Pandey, Vijaya Kanji, Naseem Ansari, Jason Morrow, Jackson Roberts II

Osteogenic Protein-1 mRNA Expression Is Selectively Modulated after Acute Ischemic Renal Injury

Maria M. Almanzar, Kendall S. Frazier, Philip H. Dube, Ana I. Piqueras, William K. Jones, Marc F. Charette, Ana L. Paredes

Heparin-Binding EGF-Like Growth Factor mRNA Is Upregulated in the Peri-Infarct Region of the Remnant Kidney Model: In Vitro Evidence Suggests a Regulatory Role in Myofibroblast Transformation

Geoffrey Kirkland, Kathy Paezis, Leonard L. Wu, Marina Katerelos, David A. Power

Clinical Nephrology

Evidence for Increased Synthesis of Lipoprotein(a) in the Nephrotic Syndrome

Monique G. M. De Sam-Van Der Velden, Dirk-Jan Reijngoud, George A. Keysen, Mireille M. Gadella, Hieronymus Voorbij, Frans Stellard, Hein A. Koemans, Ton J. Rabelink

Complex Apolipoprotein B-Containing Lipoprotein Particles Are Associated with a Higher Rate of Progression of Human Chronic Renal Insufficiency

Ola Samuelsson, Per-Ola Attman, Carolyn Knight-Gibson, Rutger Larson, Henrik Mulec, Lars Weiss, Petar Alaupovic

Renal Effects of a Urodilatin Infusion in Patients with Liver Cirrhosis, with and without Ascites

Jan Carstens, Jacob Greisen, Kaare T. Jensen, Hendrik Vilstrup, Erling B. Pedersen

Dialysis

Bicarbonate/Lactate- and Bicarbonate-Buffered Peritoneal Dialysis Fluids Improve Ex Vivo Peritoneal Macrophage TNFα Secretion

Ruth K. MacKenzie, Clifford J. Holmes, Andrew Moseley, Jean P. Jenkins, John D. Williams, Gerald A. Coles, Dirk Faicht, Nicholas Topley

Subclavian Vascular Access Stenosis in Dialysis Patients: Natural History and Risk Factors

Domingo Hernández, Francisco Díaz, Margarita Rufino, Víctor Lorenzo, Tomás Pérez, Aurelio Rodríguez, Eduardo De Bonis, Manuel Losada, José Manuel González-Posada, Armando Torres

Transplantation

Pharmacokinetics of Mycophenolic Acid (MPA) and Determinants of MPA Free Fraction in Pediatric and Adult Renal Transplant Recipients


Mycophenolate Mofetil, Together with Cyclosporin A, Prevents Anti-OKT3 Antibody Response in Kidney Transplant Recipients

Nilüfer Broeders, K. Martin Wissing, Alain Crusiaux, Paul Kinnaert, Pierre Vereerstraeten, Daniel Abramowicz

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Interleukin-17 Activates Human Renal Epithelial Cells in Vitro and Is Expressed during Renal Allograft Rejection

Cees Van Kooten, Joke G. Boonstra, Marion E. Paape, Francois Fossiez, Jacques Banchereau, Serge Lebecque, Jan A. Bruijn, Johan W. De Fijter, Leendert A. Van Es, Mohamed R. Daha

DISEASE OF THE MONTH

Hyperkalemia: A Potential Silent Killer

I. David Weiner, Charles S. Wingo

MILESTONES IN NEPHROLOGY

Urea Metabolism in Chronic Renal Failure [Walser M: J Clin Invest 53: 1385–1392, 1974 (with comments by Mackenzie Walser and William E. Mitch)]

ANNOUNCEMENTS

Cover picture: Calbindin D28k immunostaining in connecting tubules (CNT) and distal convoluted tubules (stars) of control (left panel) and cyclosporin A-treated (right panel) rats. For a full description, see the related article in this issue by Chul Woo Yang et al., pp 1416–1426.