

REGULAR ARTICLES

Cell and Structural Biology

- Megalin Is an Endocytic Receptor for Insulin
Robert A. Orlando, Katherine Rader, Francois Authier, Hajime Yamazaki, Barry I. Posner, John J. M. Bergeron, Marilyn Gist Farquhar 1759
- Characterization of a Kidney Proximal Tubule Cell Line, LLC-PK1, Expressing Endocytotic Active Megalin
Rikke Nielsen, Henrik Birn, Søren K. Moestrup, Morten Nielsen, Pierre Verroust, Erik Ilsø Christensen 1767
- Immunolocalization of Natriuretic Peptide Receptor B in the Rat Kidney
Marie-Chantal Bonhomme, Kevin L. Grove, Sylvie Caron, Caroline T. Crilley, Gaetan Thibault, Christian F. Deschepper, Raul Garcia 1777
- The Actin Cytoskeleton and Integrin Expression in the Recovery of Cell Adhesion after Oxidant Stress to a Proximal Tubule Cell Line (JTC-12)
Sujata Nigam, Charles E. Weston, Chong H. Liu, Eric E. Simon 1787

Hemodynamics, Hypertension, and Vascular Regulation

- Effects of Smoking on Renal Hemodynamics in Healthy Volunteers and in Patients with Glomerular Disease
Eberhard Ritz, Urs Benck, Eduard Franek, Christine Keller, Melchior Seyfarth, John Clorius 1798

Immunology and Pathology

- Improved Survival and Amelioration of Nephrotoxic Nephritis in Intercellular Adhesion Molecule-1 Knockout Mice
Ulf Janssen, Tammo Ostendorf, Sören Gaertner, Frank Eitner, Hans-Jürgen Hedrich, Karel J. M. Assmann, Jürgen Floege 1805
- Activated Mesangial Cells Produce Vascular Permeability Factor in Early-Stage Mesangial Proliferative Glomerulonephritis
Kukiko Noguchi, Norishige Yoshikawa, Seiko Ito-Kariya, Yuji Inoue, Yoshitake Hayashi, Hiroshi Ito, Hajime Nakamura, Kazumoto Iijima 1815
- Inhibition of Calcitriol-Induced Monocyte CD14 Expression by Uremic Toxins: Role of Purines
Griet Glorieux, Chen H. Hsu, Rita de Smet, Annemieke Dhondt, Jacqueline van Kaer, Pascale Vogeleere, Norbert Lameire, Raymond Vanholder 1826

Mineral Metabolism and Bone Disease

- Altered Instantaneous and Calcium-Modulated Oscillatory PTH Secretion Patterns in Patients with Secondary Hyperparathyroidism
Claus P. Schmitt, Daniela Huber, Otto Mehls, Jörg Maiwald, Günther Stein, Johannes D. Veldhuis, Eberhard Ritz, Franz Schaefer 1832

- High Phosphate Level Directly Stimulates Parathyroid Hormone Secretion and Synthesis by Human Parathyroid Tissue *In Vitro*
Yolanda Almaden, Alexis Hernandez, Vicente Torregrosa, Antonio Canalejo, Luis Sabate, Laureano Fernandez Cruz, Jose M. Campistol, Armando Torres, Mariano Rodriguez 1845
- Molecular Medicine, Genetics, and Development**
- A Spectrum of Mutations in the Polycystic Kidney Disease-2 (PKD2) Gene from Eight Canadian Kindreds
York Pei, Ning He, Kairong Wang, Margareth Kasenda, Andrew D. Paterson, Gabrielle Chan, Yan Liang, Janet Roscoe, Jane Brissenden, Donna Hefferton, Patrick Parfrey, Stefan Somlo, Peter St. George-Hyslop 1853
- Functional Studies of Twelve Mutant V₂ Vasopressin Receptors Related to Nephrogenic Diabetes Insipidus: Molecular Basis of a Mild Clinical Phenotype
Youssef Ala, Denis Morin, Bernard Mouillac, Nancy Sabatier, Rosa Vargas, Nathalie Cotte, Michèle Déchaux, Corinne Antignac, Marie-Françoise Arthus, Michèle Lonergan, Maria S. Turner, Marie-Noëlle Balestre, Gérard Alonso, Marcel Hibert, Claude Barberis, Geoffrey N. Hendy, Daniel G. Bichet, Serge Jard 1861
- Expression of SET, an Inhibitor of Protein Phosphatase 2A, in Renal Development and Wilms' Tumor
Sara G. Carlson, Eudora Eng, Eung-Gook Kim, Elizabeth J. Perlman, Terry D. Copeland, Barbara J. Ballermann 1873
- Pathophysiology of Renal Disease**
- Differential Effects of Antibodies to Vascular Cell Adhesion Molecule-1 and Distinct Epitopes of the $\alpha 4$ Integrin in HgCl₂-Induced Nephritis in Brown Norway Rats
Esther Escudero, Marta Nieto, Ana Martín, Ana Molina, Roy R. Lobb, Francisco Sanchez-Madrid, Francisco Mampaso 1881
- Tissue-Specific Responses of Branched-Chain α -Ketoacid Dehydrogenase Activity in Metabolic Acidosis
S. Russ Price, Xiaonan Wang, James L. Bailey 1892
- Clinical Nephrology**
- Factors Predictive of the Short- and Long-Term Efficacy of Growth Hormone Treatment in Prepubertal Children with Chronic Renal Failure
Dieter Haffner, Elke Wühl, Franz Schaefer, Richard Nissel, Burkhard Tönshoff, Otto Mehls, The German Study Group for Growth Hormone Treatment in Chronic Renal Failure 1899
- Factors Relating to Urinary Protein Excretion in Children with Autosomal Dominant Polycystic Kidney Disease
Cindy Sharp, Ann Johnson, Patricia Gabow 1908
- Determinants of Renal Outcome in Anti-Myeloperoxidase-Associated Necrotizing Crescentic Glomerulonephritis
Casper F. M. Franssen, Coen A. Stegeman, Wia W. Oost-Kort, Cees G. M. Kallenberg, Pieter C. Limburg, Anton Tiebosch, Paul E. De Jong, Jan W. Cohen Tervaert 1915
- Effect of Single Dose Resin-Cathartic Therapy on Serum Potassium Concentration in Patients with End-Stage Renal Disease
Christine Gruy-Kapral, Michael Emmett, Carol A. Santa Ana, Jack L. Porter, John S. Fordtran, Kenneth D. Fine 1924
- Dialysis**
- Longitudinal Lipid Profiles on CAPD: Their Relationship to Weight Gain, Comorbidity, and Dialysis Factors
Jane Little, Louise Phillips, Lesley Russell, Anne Griffiths, Gavin I. Russell, Simon J. Davies 1931
- Mortality in End-Stage Renal Disease Is Associated with Facility-to-Facility Differences in Adequacy of Hemodialysis
William M. McClellan, J. Michael Soucie, W. Dana Flanders 1940
- Transplantation**
- Chronic Allograft Nephropathy in the Rat Is Improved by Angiotensin II Receptor Blockade But Not by Calcium Channel Antagonism
Susana C. Amuchastegui, Nadia Azzollini, Marilena Mister, Angela Pezzotta, Norberto Perico, Giuseppe Remuzzi 1948

DISEASE OF THE MONTH

Peritonitis as a Complication of Peritoneal Dialysis

1956

Beth Piraino

MILESTONES IN NEPHROLOGY

Composition of Fluid in Twelve Cysts of a Polycystic Kidney [Gardner KD Jr: *N Engl J Med* 281: 985-988, 1969 (with comments by Kenneth D. Gardner, Jr. and Jared J. Grantham)]

1965

ANNOUNCEMENTS

Cover picture: Schematic representation of the V2 receptor with loss of function mutations responsible for X-linked nephrogenic diabetes insipidus indicated with shaded symbols. For a full description, see the related article in this issue by Youssef Ala *et al.*, pp 1965-1970.

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