This Month’s Highlights

UP FRONT MATTERS

ASN News

World Kidney Day 2010
Public Policy Board of the American Society of Nephrology

Editorials

Diagnostic Application of the A1c Assay in Renal Disease
Adnan Sharif and Keshwar Baboolal

Time to Recognize an Overlooked Trait
Kerri L. Cavanaugh and Sophie Lanzkron
See related article by Derebail et al. (pp. 413–417).

Dependence of Renal Microvessel Density on Angiotensin II: Only in the Fetus?
Barbara J. Ballermann
See related article by Madsen et al. (pp. 448–459).

ZO-1 and ZONAB Interact to Regulate Proximal Tubular Cell Differentiation
Ambra Pozzi and Roy Zent
See related article by Lima et al. (pp. 478–488).

Of Mice and Men: Therapeutic mTOR Inhibition in Polycystic Kidney Disease
York Pei
See related article by Shillingford et al. (pp. 489–497).

Endothelin Receptor Antagonists in Proteinuric Renal Disease: Every Rose Has Its Thorn
Eberhard Ritz and René Wenzel
See related article by Mann et al. (pp. 527–535).

Clinical Commentary

Posing the Question Again: Does Chronic Uric Acid Nephropathy Exist?
Orson W. Moe

Red star ★ indicates articles that are features in This Month’s Highlights.

Brief Reviews

Integrating Human and Rodent Data to Identify the Genetic Factors Involved in Chronic Kidney Disease
Michael R. Garrett, Marcus G. Pezzolesi, and Ron Korstanje

Mechanisms Linking Obesity, Chronic Kidney Disease, and Fatty Liver Disease: The Roles of Fetuin-A, Adiponectin, and AMPK
Joachim H. Ix and Kumar Sharma

BRIEF COMMUNICATION

High Prevalence of Sickle Cell Trait in African Americans with ESRD
Vimal K. Derebail, Patrick H. Nachman, Nigel S. Key, Heather Ansede, Ronald J. Falk, and Abhijit V. Kshirsagar
See related editorial by Cavanaugh and Lanzkron (pp. 385–386).

BASIC RESEARCH

Satellite Cell Dysfunction and Impaired IGF-1 Signaling Cause CKD-Induced Muscle Atrophy
Liping Zhang, Xiaohan H. Wang, Huiling Wang, Jie Du, and William E. Mitch

GSK3β Mediates Renal Response to Vasopressin by Modulating Adenylate Cyclase Activity
Reena Rao, Satish Patel, ChuanMing Hao, James Woodgett, and Raymond Harris

Loss of MicroRNA-192 Promotes Fibrogenesis in Diabetic Nephropathy
Aleksandra Krupa, Robert Jenkins, Dong Dong Luo, Aled Lewis, Aled Phillips, and Donald Fraser

Angiotensin II Promotes Development of the Renal Microcirculation through AT1 Receptors
Kirsten Madsen, Niels Marcussen, Michael Pedersen, Gitte Kjaersgaard, Carie Facemire, Thomas M. Coffman, and Boye L. Jensen
See related editorial by Ballermann (pp. 386–388).
460 ★ The MicroRNA-Processing Enzyme Dicer Maintains Juxtaglomerular Cells
Maria Luisa S. Sequeira-Lopez, Eric T. Weatherford, Giuliana R. Borges, Maria C. Monteagudo, Ellen S. Pentz, Brian D. Harfe, Oscar Carretero, Curt D. Sigmund, and R. Ariel Gomez

468 Atrap Deficiency Increases Arterial Blood Pressure and Plasma Volume
Mona Oppermann, Bernhard Gess, Frank Schweda, and Hayo Castrop

478 ★ ZONAB Promotes Proliferation and Represses Differentiation of Proximal Tubule Epithelial Cells
Wânia R. Lima, Kleber S. Parreira, Olivier Devuyst, Adrian Caplanusi, Francisca N’Kuli, Benoit Marien, Patrick Van Der Smissen, Pedro M.S. Alves, Pierre Vercroust, Erik I. Christensen, Fabiola Terzi, Karl Matter, Maria S. Balda, Christophe E. Pierreux, and Pierre J. Courtay
- See related editorial by Pozzi and Zent (pp. 388–390).

489 Rapamycin Ameliorates PKD Resulting from Conditional Inactivation of Pkd1
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- See related editorial by Pei (pp. 390–391).

CLINICAL EPIDEMIOLOGY

499 Propensity-Matched Mortality Comparison of Incident Hemodialysis and Peritoneal Dialysis Patients
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520 ★ Cerebral Microvascular Disease Predicts Renal Failure in Type 2 Diabetes
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527 ★ Avosentan for Overt Diabetic Nephropathy
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- See related editorial by Ritz and Wenzel (pp. 392–394).

536 Tubular Expression of KIM-1 Does not Predict Delayed Function After Transplantation
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