This Month’s Highlights

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Editorials

569 Is the Albumin Retrieval Hypothesis a Paradigm Shift for Nephrology?
Anthony G.W. Norden and Robert J. Unwin
• See related article by Weyer et al. (pp. 591–596).

571 The Eternal (Nocturnal) Quest for Better Dialysis Outcomes
Martin K. Kuhlmann
• See related articles by Lacson et al. (pp. 687–695); and Nesrallah et al. (pp. 696–705).

573 Intensive Hemodialysis: Back to the Beginning?
T. Alp Ikizler
• See related articles by Lacson et al. (pp. 687–695); and Nesrallah et al. (pp. 696–705).

575 Improvement in Kidney Function: A Real Occurrence
Tanvir Chowdhury Turin and Brenda R. Hemmelgarn
• See related article by Hu et al. (pp. 706–713).

Brief Review

578 Cardiovascular Disease in Children with Chronic Kidney Disease
Mark M. Mitsnefes

Pathophysiology of the Renal Biopsy

586 Renal Leishmaniasis as Unusual Cause of Nephrotic Syndrome in an HIV Patient
Kerstin Amann, Christian Bogdan, Thomas Harrer, and Juergen Rech

BRIEF COMMUNICATION

591 ★ Generation of Urinary Albumin Fragments Does Not Require Proximal Tubular Uptake
Kathrin Weyer, Rikke Nielsen, Erik I. Christensen, and Henrik Birn
• See related editorial by Norden and Unwin (pp. 569–571).

BASIC RESEARCH

597 Upregulation of miR-142-3p in Peripheral Blood Mononuclear Cells of Operationally Tolerant Patients with a Renal Transplant
Richard Danger, Annick Pallier, Magali Giral, Marc Martinez-Llordella, Juan José Lozano, Nicolas Degauque, Alberto Sanchez-Fueyo, Jean-Paul Soullilou, and Sophie Brouard

607 Ureteric Morphogenesis Requires Fgfr1 and Fgfr2/Frs2α Signaling in the Metanephric Mesenchyme
Sunder Sims-Lucas, Valeria Di Giovannini, Caitlin Schaefer, Brian Cusack, Veraragavan P. Eswarakumar, and Carlton M. Bates

618 Absence of Canonical Smad Signaling in Ureteral and Bladder Mesenchyme Causes Ureteropelvic Junction Obstruction
Pyush Tripathi, Yinqiu Wang, Adam M. Casey, and Feng Chen

629 Subtotal Ablation of Parietal Epithelial Cells Induces Crescent Formation
Eva-Maria Sicking, Astrid Fuss, Sandra Uhlig, Peggy Jirak, Henry Dijkman, Jack Wetzel, Daniel R. Engel, Torsten Urysonok, Stefan Heidenreich, Wilhelm Kriz, Christian Kurts, Tammo Ostendorf, Jürgen Floege, Bart Smeets, and Marcus J. Moeller

641 Disruption of IFT Complex A Causes Cystic Kidneys without Mitotic Spindle Misorientation
Julie A. Jonassen, Jovenal SanAgustin, Stephen P. Baker, and Gregory J. Pazour

652 eNOS Deficiency Acts through Endothelin to Aggravate sFlt-1–Induced Pre-Eclampsia–Like Phenotype
Feng Li, John R. Hagaman, Hyung-Suk Kim, Nobuyo Maeda, J. Charles Jennette, James E. Faber, S. Ananth Karumanchi, Oliver Smithies, and Nobuyuki Takahashi

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661 **Injection of Amniotic Fluid Stem Cells Delays Progression of Renal Fibrosis**
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674 **Orphan Nuclear Receptor Nur77 Promotes Acute Kidney Injury and Renal Epithelial Apoptosis**
Savithri Balasubramanian, Marcel Jansen, M. Todd Valerius, Benjamin D. Humphreys, and Terry B. Strom

687 **Survival with Three-Times Weekly In-Center Nocturnal Versus Conventional Hemodialysis**
Eduardo Lacson Jr., Jianguin Xu, Rita S. Suri, Gihad Nesrallah, Robert Lindsay, Amit X. Garg, Keith Lester, Norma Ofsthun, Michael Lazarus, and Raymond M. Hakim
- See related editorials by Kuhlmann (pp. 571–573); and Ikizler (pp. 573–575).

696 **Intensive Hemodialysis Associates with Improved Survival Compared with Conventional Hemodialysis**
Gihad E. Nesrallah, Robert M. Lindsay, Meaghan S. Cuerden, Amit X. Garg, Friedrich Port, Peter C. Austin, Louise M. Moist, Andreas Pierratos, Christopher T. Chan, Deborah Zimmerman, Robert S. Lockridge, Cécile Couchoud, Charles Chazot, Norma Ofsthun, Adeera Levin, Michael Copland, Mark Courtney, Andrew Steele, Philip A. McFarlane, Denis F. Geary, Robert P. Pauly, Paul Komenda, and Rita S. Suri
- See related editorials by Kuhlmann (pp. 571–573); and Ikizler (pp. 573–575).

706 **Kidney Function Can Improve in Patients with Hypertensive CKD**
Bo Hu, Crystal Gadegbeku, Michael S. Lipkowitz, Stephen Rostand, Julia Lewis, Jackson T. Wright, Lawrence J. Appel, Tom Greene, Jennifer Gassman, and Brad C. Astor, for the African-American Study of Kidney Disease and Hypertension Group
- See related editorial by Turin and Hemmelgarn (pp. 575–577).

715 **CLINICAL RESEARCH**

**Bone Density and Cortical Structure after Pediatric Renal Transplantation**
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**Effects of Frequent Hemodialysis on Measures of CKD Mineral and Bone Disorder**
John T. Daugirdas, Glenn M. Chertow, Brett Larive, Andreas Pierratos, Tom Greene, Juan Carlos Ayus, Cynthia A. Kendrick, Sam H. James, Brent W. Miller, Gerald Schulman, Isidro B. Salusky, Alan S. Kliger, and the Frequent Hemodialysis Network (FHN) Trial Group

**Early Basal Insulin Therapy Decreases New-Onset Diabetes after Renal Transplantation**
Manfred Hecking, Michael Haidinger, Dominik Döller, Johannes Werzowa, Andrea Tura, Jinyao Zhang, Hilal Tekoglu, Johannes Pleiner, Thomas Wrba, Susanne Rasoul-Rockenschaub, Ferdinand Mühlbacher, Sabine Schmaldienst, Wilfred Druml, Walter H. Hörl, Michael Krebs, Michael Wolzt, Giovanni Pacini, Friedrich K. Port, and Marcus D. Säemann

**Non-HLA Antibodies to Immunogenic Epitopes Predict the Evolution of Chronic Renal Allograft Injury**
Tara K. Sigdel, Li Li, Tim Q. Tran, Purvesh Khatri, Maarten Naesens, Poonam Sansanwal, Hong Dai, Szu-chuan Hsieh, and Minnie M. Sarwal