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507 The Search for Monogenic Causes of Kidney Stones
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510 Electroacupuncture Therapy for Muscle Atrophy in CKD: Is There a Needle in the Haystack?
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• See related article by Hu et al. (pp. 626–635).

512 Measuring Intradialytic Hypotension to Improve Quality of Care
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• See related article by Flythe et al. (pp. 724–734).

515 Current Status of Bicarbonate in CKD
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543 Fourteen Monogenic Genes Account for 15% of Nephrolithiasis/Nephrocalcinosis
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576 Deficiency of the Planar Cell Polarity Protein Vangl2 in Podocytes Affects Glomerular Morphogenesis and Increases Susceptibility to Injury
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Chronic Hypoxia-Inducible Transcription Factor-2 Activation Stably Transforms Juxtaglomerular Renin Cells into Fibroblast-Like Cells In Vivo

Birguel Kurt, Katharina Gerl, Christian Karger, Ilona Schwarzensteiner, and Armin Kurtz

Hypertension Is a Major Contributor to 20-Hydroxyeicosatetraenoic Acid–Mediated Kidney Injury in Diabetic Nephropathy


Inhibition of Intracellular Clusterin Attenuates Cell Death in Nephropathic Cystinosis

Poonam Sansanwal, Li Li, and Minnie M. Sarwal

Low-Frequency Electrical Stimulation Attenuates Muscle Atrophy in CKD—A Potential Treatment Strategy

Li Hu, Janet D. Klein, Faten Hassounah, Hui Cai, Cong Zhang, Ping Xu, and Xiaonian H. Wang

*See related editorial by Ramezani et al. (pp. 510–512).*

Cardiac Myocyte-Derived Follistatin-Like 1 Prevents Renal Injury in a Subtotal Nephrectomy Model

Satoko Hayakawa, Koji Ohashi, Rei Shibata, Yoshiyuki Kataoka, Megumi Miyabe, Takashi Enomoto, Yusuke Joki, Yuuki Shimizu, Takahiro Kambara, Yusuke Uemura, Daisuke Yuasa, Hayato Ogawa, Kazuhiro Matsuo, Mizuho Hiramatsu-Itô, Maurice J.B. van den Hoff, Kenneth Walsh, Toyoaki Murohara, and Noriyuki Ouchi

Rhophilin-1 Is a Key Regulator of the Podocyte Cytoskeleton and Is Essential for Glomerular Filtration

Mark A. Lal, Ann-Charlotte Andersson, Kan Katayama, Ziejie Xiao, Masatoshi Nukui, Kjell Hultenby, Annika Wernerson, and Karl Tryggvason

Epigenetic Regulation of MicroRNAs Controlling CLDN14 Expression as a Mechanism for Renal Calcium Handling

Yongfeng Gong, Nina Himmerkus, Allein Plain, Markus Bleich, and Jianghui Hou

Mutual Antagonism of Wilms’ Tumor 1 and β-Catenin Dictates Podocyte Health and Disease

Lili Zhou, Yingjian Li, Weichun He, Dong Zhou, Roderick J. Tan, Jing Nie, Fan Fan Hou, and Youhua Liu

Functional Genomic Annotation of Genetic Risk Loci Highlights Inflammation and Epithelial Biology Networks in CKD

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Inhibition of Intracellular Clusterin Attenuates Cell Death in Nephropathic Cystinosis

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CLINICAL EPIDEMIOLOGY

ESRD and Death after Heart Failure in CKD

Maneesh Sud, Navdeep Tangri, Melania Pintilie, Andrew S. Levey, and David M.J. Naimark

Association of Mortality Risk with Various Definitions of Intradialytic Hypotension

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*See related editorial by Daugirdas (pp. 512–514).*

Association of Early Kidney Allograft Failure with Preformed IgA Antibodies to β2-Glycoprotein I

Jose M. Morales, Jose Angel Martinez-Flores, Manuel Serrano, Maria José Castro, Francisco Javier Alfaro, Florencio Garcia, Miguel Angel Martinez, Amado Andrés, Esther Gonzalez, Manuel Praga, Estela Paz-Artal, and Antonio Serrano

Imaging-Based Diagnosis of Autosomal Dominant Polycystic Kidney Disease

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Has Dialysis Payment Reform Led to Initial Racial Disparities in Anemia and Mineral Metabolism Management?

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