This Month’s Highlights

Editorials

2555 Nephron Remodeling Underlies Hyperkalemia in Familial Hyperkalemic Hypertension
James A. McCormick and David H. Ellison
• See related article by Grimm et al. (pp. 2597–2606).

2557 MicroRNA as Novel Exercise Mimetic for Muscle Wasting in CKD
Robert H. Mak and Wai W. Cheung
• See related article by Wang et al. (pp. 2631–2640).

2559 Synthesizing Absolute and Relative Risks and the Many Unknowns to Inform Living Kidney Donors
Emilio D. Poggio and Jesse D. Schold
• See related article by Massie et al. (pp. 2749–2755).

2561 BP Targets in CKD, Mortality, and SPRINT: What Have We Learned?
Stephen C. Textor and Gary L. Schwartz
• See related article by Cheung et al. (pp. 2812–2823).

Brief Reviews

2564 Magnetic Resonance Imaging of the Fibrotic Kidney
Glen R. Morrell, Jeff L. Zhang, and Vivian S. Lee

2571 Complement Recognition Pathways in Renal Transplantation
Christopher L. Nauser, Conrad A. Farrar, and Steven H. Sacks

2579 PLA2R and THSD7A: Disparate Paths to the Same Disease?
Laurence H. Beck Jr.

Special Article

2590 The Medicare Access and CHIP Reauthorization Act: Implications for Nephrology
Eugene Lin, Thomas MaCurdy, and Jay Bhattacharya

BASIC RESEARCH

2597 Constitutively Active SPAK Causes Hyperkalemia by Activating NCC and Remodeling Distal Tubules
P. Richard Grimm, Richard Coleman, Eric Delpire, and Paul A. Welling
• See related editorial by McCormick and Ellison (pp. 2555–2557).

2607 A Personalized Model of COQ2 Nephropathy Rescued by the Wild-Type COQ2 Allele or Dietary Coenzyme Q10 Supplementation
Jun-yi Zhu, Yulong Fu, Adam Richman, Zhanzheng Zhao, Patricio E. Ray, and Zhe Han

2618 Thrombin-Induced Podocyte Injury Is Protease-Activated Receptor Dependent

2631 MicroRNA-23a and MicroRNA-27a Mimic Exercise by Ameliorating CKD-Induced Muscle Atrophy
Bin Wang, Cong Zhang, Aiqing Zhang, Hui Cai, S. Russ Price, and Xiaoan H. Wang
• See related editorial by Mak and Cheung (pp. 2557–2559).

2641 Janus Kinase 2 Regulates Transcription Factor EB Expression and Autophagy Completion in Glomerular Podocytes
Tamadher A. Alghamdi, Syamantak Majumder, Karina Thieme, Sri N. Batchu, Kathryn E. White, Youan Liu, Angela S. Brijmohan, Bridgit B. Bowskill, Suzanne L. Advani, Minna Woo, and Andrew Advani

2654 Glomerulosclerosis Induced by Deficiency of Membrane-Associated Guanylate Kinase Inverted 2 in Kidney Podocytes
Naritoshi Shirata, Kan-ichiho Ihara, Kanae Yamamoto-Nonaka, Takuto Seki, Shin-ichi Makino, Juan Alejandro Oliva Trejo, Takafumi Miyake, Hiroyuki Yamada, Kirk Nicholas Campbell, Takahiko Nakagawa, Kiyoshi Mori, Motoko Yanagita, Peter Mundel, Katsuhiro Nishimori, and Katsuhiko Asanuma

Red star ★ indicates articles that are features in This Month’s Highlights.
Asymmetric Dimethylarginine Contributes to the Impaired Response to Erythropoietin in CKD-Anemia
Miyuki Yokoro, Yosuke Nakayama, Sho-ichi Yamagishi, Ryotaro Ando, Miki Sugiyama, Sakuya Ito, Juno Yano, Kensei Taguchi, Yusuoke Kaida, Daisuke Saigusa, Masumi Kimoto, Takaaki Abe, Seiji Ueda, and Kei Fukami

IL233, A Novel IL-2 and IL-33 Hybrid Cytokine, Ameliorates Renal Injury
Marta E. Stremska, Sheethal Jose, Vikram Sabapathy, Liping Huang, Amandeep Bajwa, Gilbert R. Kinsey, Saleem Mohammad, Diane L. Rosin, Mark D. Okusa, and Rahul Sharma

ELABELA and an ELABELA Fragment Protect against AKI

Integrin-Linked Kinase Signaling Promotes Cyst Growth and Fibrosis in Polycystic Kidney Disease
Archana Raman, Gail A. Reif, Yuqiao Dai, Aditi Khanna, Xiaogang Li, Lindsay Astleford, Stephen C. Parmell, James P. Calvet, and Darren P. Wallace

Sex Differences in Hospitalizations with Maintenance Hemodialysis
Scott V. Adams, Matthew Rivara, Elani Streja, Alfred K. Cheung, Onyebuchi A. Arah, Kamyar Kalantar-Zadeh, and Rajnish Mehrotra

Safety of Rituximab Compared with Steroids and Cyclophosphamide for Idiopathic Membranous Nephropathy
Jan A.J.G. van den Brand, Piero Ruggenenti, Antonietta Chianca, Julia M. Hofstra, Annalisa Perna, Barbara Ruggiero, Jack F.M. Wetzels, and Giuseppe Remuzzi

Biliary Tract and Liver Complications in Polycystic Kidney Disease

Quantifying Postdonation Risk of ESRD in Living Kidney Donors

Randomized Trial of C5a Receptor Inhibitor Avacopan in ANCA-Associated Vasculitis

Polycystic Kidney Disease without an Apparent Family History
Ioan-Andrei Ilutura, Vinusha Kalatharan, Kairong Wang, Emilie Conne-Le Gall, John Conklin, Marina Pourafkari, Ryan Ting, Chen Chen, Alessia C. Borgo, Ning He, Xuewen Song, Christina M. Heyer, Sarah R. Senum, Young-Hwan Hwang, Andrew D. Paterson, Peter C. Harris, Korosh Khalili, and York Pei

Autologous Mesenchymal Stem Cells Increase Cortical Perfusion in Renovascular Disease
Ahmed Saad, Allan B. Dietz, Sandra M.S. Herrmann, LaTonya J. Hickson, James F. Gluckner, Michael A. McKusick, Sanjay Misra, Haraldur Bjarnason, Adam S. Armstrong, Dennis A. Gasteau, Lilach O. Lerman, and Stephen C. Textor

Plasma Biomarkers and Kidney Function Decline in Early and Established Diabetic Kidney Disease
Steven G. Coca, Girish N. Nadkami, Yuan Huang, Dennis G. Moledina, Veena Rao, Jane Zhang, Bart Ferker, Susan T. Crowley, Linda F. Fried, and Chirag R. Parikh

Acute Declines in Renal Function during Intensive BP Lowering: Implications for Future ESRD Risk
Elaine Ku, George Bakris, Kirsten L. Johansen, Feng Lin, Mark J. Sarnak, Vito M. Campese, Kenneth Jamerson, Jennifer J. Gassman, Miroslaw Smogorzewski, and Chi-yuan Hsu

Sleep-Time Ambulatory BP Is an Independent Prognostic Marker of CKD
Ramón C. Hermida, Diana E. Ayala, Artemio Mojón, and José R. Fernández
Effects of Intensive BP Control in CKD

See related editorial by Textor and Schwartz (pp. 2561–2563).

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