

This Month's Highlights

UP FRONT MATTERS

Editorials

685 Aquaporin-2 Inhibitors: Fishing in the Chemical Pool

Dennis Brown and Hua A. Jenny Lu

- See related article by Bogum et al. (pp. 744–758).

687 Klotho to Treat Kidney Fibrosis

Maria D. Sanchez-Niño, Ana B. Sanz, and Alberto Ortiz

- See related article by Zhou et al. (pp. 771–785).

689 Physical Performance and All-Cause Mortality in CKD

Joel D. Kopple

- See related article by Roshanravan et al. (pp. 822–830).

691 What Can We Learn from Null Randomized Controlled Trials?

Rajiv Agarwal

- See related article by Chue et al. (pp. 842–852).

Brief Reviews

694 Imatinib: Novel Treatment of Immune-Mediated Kidney Injury

Eric Wallace and Leslie Gewin

702 The Treatment of Minimal Change Disease in Adults

Jonathan Hogan and Jai Radhakrishnan

BRIEF COMMUNICATIONS

713 ★N-WASP Is Required for Stabilization of Podocyte Foot Processes

Christoph Schell, Lisa Baumhakl, Sarah Salou, Ann-Christin Conzelmann, Charlotte Meyer, Martin Helmstädter, Christoph Wrede, Florian Grahmmer, Stefan Eimer, Donscho Kerjaschki, Gerd Walz, Scott Snapper, and Tobias B. Huber

722 ★Apolipoprotein L1 Risk Variants Associate with Systemic Lupus Erythematosus-Associated Collapsing Glomerulopathy

Christopher P. Larsen, Marjorie L. Beggs, Mohammad Saeed, and Patrick D. Walker

BASIC RESEARCH

727 Vps34 Deficiency Reveals the Importance of Endocytosis for Podocyte Homeostasis

Wibke Bechtel, Martin Helmstädter, Jan Balica, Björn Hartleben, Betina Kiefer, Fatima Hrnjic, Christoph Schell, Oliver Kretz, Shuya Liu, Felix Geist, Donscho Kerjaschki, Gerd Walz, and Tobias B. Huber

744 Small-Molecule Screening Identifies Modulators of Aquaporin-2 Trafficking

Jana Bogum, Dörte Faust, Kerstin Zühlke, Jenny Eichhorst, Marie C. Moutty, Jens Furkert, Adeeb Eldahshan, Martin Neuenschwander, Jens Peter von Kries, Burkhard Wiesner, Christiane Trimpert, Peter M.T. Deen, Giovanna Valenti, Walter Rosenthal, and Enno Klussmann

- See related editorial by Brown and Lu (pp. 685–686).

759 Cystathionine γ -Lyase Protects against Renal Ischemia/Reperfusion by Modulating Oxidative Stress

Eelke M. Bos, Rui Wang, Pauline M. Snijder, Miriam Boersema, Jeffrey Damman, Ming Fu, Jill Moser, Jan-Luuk Hillebrands, Rutger J. Ploeg, Guangdong Yang, Henri G.D. Leuvenink, and Harry van Goor

771 ★Loss of Klotho Contributes to Kidney Injury by Derepression of Wnt/ β -Catenin Signaling

Lili Zhou, Yingjian Li, Dong Zhou, Roderick J. Tan, and Youhua Liu

- See related editorial by Sanchez-Niño et al. (pp. 687–689).

787 Epithelial Cell TGF β Signaling Induces Acute Tubular Injury and Interstitial Inflammation

Madeleine E. Gentle, Shaolin Shi, Ilse Daehn, Taoran Zhang, Haiying Qi, Liping Yu, Vivette D. D'Agati, Detlef O. Schlondorff, and Erwin P. Bottinger

801 Renoprotective Effect of Combined Inhibition of Angiotensin-Converting Enzyme and Histone Deacetylase

Yifei Zhong, Edward Y. Chen, Ruijie Liu, Peter Y. Chuang, Sandeep K. Mallipattu, Christopher M. Tan, Neil R. Clark, Yueyi Deng, Paul E. Klotman, Avi Ma'ayan, and John Cijiang He

CLINICAL EPIDEMIOLOGY

813 ★Association between Younger Age When First Overweight and Increased Risk for CKD

Richard J. Silverwood, Mary Pierce, Claudia Thomas, Rebecca Hardy, Charles Ferro, Naveed Sattar, Peter Whincup, Caroline Savage, Diana Kuh, and Dorothea Nitsch, on behalf of the National Survey of Health and Development Scientific and Data Collection Teams

822 ★Association between Physical Performance and All-Cause Mortality in CKD

Baback Roshanravan, Cassianne Robinson-Cohen, Kushang V. Patel, Ernest Ayers, Alyson J. Littman, Ian H. de Boer, T. Alp Ikizler, Jonathan Himmelfarb, Leslie I. Katznel, Bryan Kestenbaum, and Stephen Seliger

- See related editorial by Kopple (pp. 689–690).

CLINICAL RESEARCH

831 ★Vitamin D Status and Outcomes After Renal Transplantation

Frank Bienaimé, Delphine Girard, Dany Anglicheau, Guillaume Canaud, Jean Claude Souberbielle, Henri Kreis, Laure Hélène Noël, Gérard Friedlander, Caroline Elie, Christophe Legendre, and Dominique Prié

842 Cardiovascular Effects of Sevelamer in Stage 3 CKD

Colin D. Chue, Jonathan N. Townend, William E. Moody, Daniel Zehnder, Nadezhda A. Wall, Lorraine Harper, Nicola C. Edwards, Richard P. Steeds, and Charles J. Ferro

- See related editorial by Agarwal (pp. 691–693).

853 Protein Carbamylation Predicts Mortality in ESRD

Robert A. Koeth, Kamyar Kalantar-Zadeh, Zeneng Wang, Xiaoming Fu, W.H. Wilson Tang, and Stanley L. Hazen