

This Month's Highlights

UP FRONT MATTERS

Editorials

1809 RGS2 Proteins Regulate Blood Pressure

William J. Welch

- See related article by Gurley et al. (pp. 1847–1851).

1810 Tubular Reabsorption of Albumin: It's All About Cubilin

Börje Haraldsson

- See related article by Amsellem et al. (pp. 1859–1867).

1812 An Emerging Role for SPAK in NCC, NKCC, and Blood Pressure Regulation

Aylin R. Rodan and Chou-Long Huang

- See related article by Yang et al. (pp. 1868–1877).

1814 Rate of Kidney Function Decline Associates with Increased Risk of Death

Csaba P. Kovacs

- See related article by Al-Aly et al. (pp. 1961–1969).

1816 Blood Pressure and Mortality among ESRD Patients: All Patients Are Not Created Equal

Deidra C. Crews and Neil R. Powe

- See related article by Myers et al. (pp. 1970–1978).

Brief Review

1819 Mechanisms of Tubulointerstitial Fibrosis

Michael Zeisberg and Eric G. Neilson

Special Article

1835 A High-Powered View of the Filtration Barrier

János Peti-Peterdi and Arnold Sipos

Science in Renal Medicine

1842 Mechanisms of Type I and Type II Pseudohypoaldosteronism

Seth B. Furgeson and Stuart Linas

BRIEF COMMUNICATIONS

1847 ★ Renal Actions of RGS2 Control Blood Pressure

Susan B. Gurley, Robert C. Griffiths, Michael E. Mendelsohn, Richard H. Karas, and Thomas M. Coffman

- See related editorial by Welch (pp. 1809–1810).

1852 Chronic Uremia Stimulates LDL Carbamylation and Atherosclerosis

Eugene O. Apostolov, Debarti Ray, Alena V. Savenka, Sudhir V. Shah, and Alexei G. Basnakian

BASIC RESEARCH

1859 ★ Cubilin Is Essential for Albumin Reabsorption in the Renal Proximal Tubule

Sabine Amsellem, Jakub Gburek, Ghislaine Hamard, Rikke Nielsen, Thomas E. Willnow, Olivier Devuyst, Ebba Nexø, Pierre J. Verroust, Erik I. Christensen, and Renata Kozyraki

- See related editorial by Haraldsson (pp. 1810–1812).

1868 ★ SPAK-Knockout Mice Manifest Gitelman Syndrome and Impaired Vasoconstriction

Sung-Sen Yang, Yi-Fen Lo, Chin-Chen Wu, Shu-Wen Lin, Chien-Ju Yeh, Pauling Chu, Huey-Kang Sytwu, Shinichi Uchida, Sei Sasaki, and Shih-Hua Lin

- See related editorial by Rodan and Huang (pp. 1812–1814).

1878 HMGB1 Contributes to Kidney Ischemia Reperfusion Injury

Huiling Wu, Jin Ma, Peng Wang, Theresa M. Corpuz, Usha Panchapakesan, Kate R. Wyburn, and Steven J. Chadban

1891 Prenatal Exposure to Alcohol Reduces Nephron Number and Raises Blood Pressure in Progeny

Stephen P. Gray, Kate M. Denton, Luise Cullen-McEwen, John F. Bertram, and Karen M. Moritz

1903 Purinergic Inhibition of ENaC Produces Aldosterone Escape

James D. Stockand, Elena Mironova, Vladislav Bugaj, Timo Rieg, Paul A. Insel, Volker Vallon, Janos Peti-Peterdi, and Oleh Pochynyuk

1912 Anti-dsDNA Antibodies Bind to Mesangial Annexin II in Lupus Nephritis

Susan Yung, Kwok Fan Cheung, Qing Zhang, and Tak Mao Chan

1928 Pendrin Modulates ENaC Function by Changing Luminal HCO₃⁻

Vladimir Pech, Truyen D. Pham, Seongun Hong, Alan M. Weinstein, Kathryn B. Spencer, Billy Jean Duke, Eric Walp, Young Hee Kim, Roy L. Sutliff, Hui-Fang Bao, Douglas C. Eaton, and Susan M. Wall

1942 Sodium and Potassium Balance Depends on α ENaC Expression in Connecting Tubule

Birgitte Mønster Christensen, Romain Perrier, Qing Wang, Annie Mercier Zuber, Marc Maillard, David Mordasini, Sumedha Malsure, Caroline Ronzaud, Jean-Christophe Stehle, Bernard C. Rossier, and Edith Hummler

CLINICAL EPIDEMIOLOGY

1953 Low Socioeconomic Status Associates with Higher Serum Phosphate Irrespective of Race

Orlando M. Gutiérrez, Cheryl Anderson, Tamara Isakova, Julia Scialla, Lavinia Negrea, Amanda Hyre Anderson, Keith Belovich, Jing Chen, Nancy Robinson, Akinlolu Ojo, James Lash, Harold I. Feldman, and Myles Wolf, on behalf of the CRIC Study Group

1961 ★ Rate of Kidney Function Decline Associates with Mortality

Ziyad Al-Aly, Angeliq Zeringue, John Fu, Michael I. Rauchman, Jay R. McDonald, Tarek M. El-Achkar, Sumitra Balasubramanian, Diana Nurutdinova, Hong Xian, Kevin Stroupe, Kevin C. Abbott, and Seth Eisen

• See related editorial by Kovesdy (pp. 1814–1816).

1970 ★ Age, Race, Diabetes, Blood Pressure, and Mortality among Hemodialysis Patients

Orrin B. Myers, Christopher Adams, Mark R. Rohrscheib, Karen S. Servilla, Dana Miskulin, Edward J. Bedrick, and Philip G. Zager

• See related editorial by Crews and Powe (pp. 1816–1818).

1979 Low Health Literacy Associates with Increased Mortality in ESRD

Kerri L. Cavanaugh, Rebecca L. Wingard, Raymond M. Hakim, Svetlana Eden, Ayumi Shintani, Kenneth A. Wallston, Mary Margaret Huizinga, Tom A. Elasy, Russell L. Rothman, and T. Alp Ikizler

CLINICAL RESEARCH

1987 ★ Fibrosis with Inflammation at One Year Predicts Transplant Functional Decline

Walter D. Park, Matthew D. Griffin, Lynn D. Cornell, Fernando G. Cosio, and Mark D. Stegall

1998 Fetuin-Mineral Complex Reflects Extrasosseous Calcification Stress in CKD

Takayuki Hamano, Isao Matsui, Satoshi Mikami, Kodo Tomida, Naohiko Fujii, Enyu Imai, Hiromi Rakugi, and Yoshitaka Isaka