

JASN[®]

JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY

July 2021 • Vol. 32 • No. 7

This Month's Highlights

UP FRONT MATTERS

Editorials

- 1541 **Too Little or Too Much? Extracellular Matrix Remodeling in Kidney Health and Disease**
Sergi Clotet-Freixas and Ana Konvalinka
• See related articles by Calve et al. (pp. 1649–1665) and Lennon (pp. 1713–1732).
- 1544 **Primacy in Kidney Allocation: Does It Alleviate the Barriers to Transplantation?**
John S. Gill, Catherine R. Butler, and Neil R. Powe
• See related article by Schold et al. (pp. 1733–1746).

Perspectives

- 1546 **New Kidney and Pancreas Allocation Policy: Moving to a Circle as the First Unit of Allocation**
Ajay Israni, Andrew Wey, Bryn Thompson, Jon Miller, Vincent Casingal, Martha Pavlakis, Silke Niederhaus, Rachel Forbes, Amber Wilk, Warren McKinney, Raja Kandaswamy, Peter Stock, and Jon Snyder

Reviews

- 1551 **Role of Platelets in Chronic Kidney Disease**
Nishank Jain, Adam L. Corken, Amudha Kumar, Clayton L. Davis, Jerry Ware, and John M. Arthur
- 1559 **Potential Therapeutic Targets for Cisplatin-Induced Kidney Injury: Lessons from Other Models of AKI and Fibrosis**
Sophia M. Sears and Leah J. Siskind

RESEARCH LETTERS

- 1569 **Epidemiology and Outcomes of COVID-19 in Home Dialysis Patients Compared with In-Center Dialysis Patients**
Caroline M. Hsu, Daniel E. Weiner, Gideon Aweh, Page Salenger, Doug S. Johnson, and Eduardo Lacson, Jr.

RAPID COMMUNICATIONS

- 1575 **SARS-CoV-2 Vaccine Acceptability in Patients on Hemodialysis: A Nationwide Survey**
Pablo Garcia, Maria E. Montez-Rath, Heather Moore, Johnie Flotte, Chris Fults, Martha S. Block, Jialin Han, Mary Dittrich, Julie Parsonnet, Glenn M. Chertow, Geoffrey A. Block, and Shuchi Anand

META-ANALYSIS

- 1583 **Platelet Function in CKD: A Systematic Review and Meta-Analysis**
Constance C.F.M.J. Baaten, Marieke Sternkopf, Tobias Henning, Nikolaus Marx, Joachim Jankowski, and Heidi Noels

BASIC RESEARCH

- 1599 **Activation of Sympathetic Signaling in Macrophages Blocks Systemic Inflammation and Protects against Renal Ischemia-Reperfusion Injury**
Sho Hasegawa, Tsuyoshi Inoue, Yasuna Nakamura, Daichi Fukaya, Rie Uni, Chia-Hsien Wu, Rie Fujii, Wachirasek Peerapanyasut, Akashi Taguchi, Takahide Kohro, Shintaro Yamada, Mikako Katagiri, Toshiyuki Ko, Seitaro Nomura, Atsuko Nakanishi Ozeki, Etsuo A. Susaki, Hiroki R. Ueda, Nobuyoshi Akimitsu, Youichiro Wada, Issei Komuro, Masaomi Nangaku, and Reiko Inagi
- 1616 **Empagliflozin Inhibits Proximal Tubule NHE3 Activity, Preserves GFR, and Restores Euvolemia in Nondiabetic Rats with Induced Heart Failure**
Flávio A. Borges-Júnior, Danúbia Silva dos Santos, Acaris Benetti, Juliano Z. Polidoro, Aline C.T. Wisnivesky, Renato O. Crajoinas, Ednei L. Antônio, Leonardo Jensen, Bruno Caramelli, Gerhard Malnic, Paulo J. Tucci, and Adriana C.C. Girardi

- 1630 Anti Human CX3CR1 VHH Molecule Attenuates Venous Neointimal Hyperplasia of Arteriovenous Fistula in Mouse Model**
Sanjay Misra, Sreenivasulu Kilari, Binxia Yang, Amit Sharma, Chih-Cheng Wu, Roberto I. Vazquez-Padron, and John Broadwater
- 1649 3D Mapping Reveals a Complex and Transient Interstitial Matrix During Murine Kidney Development**
Sarah N. Lipp, Kathryn R. Jacobson, David S. Hains, Andrew L. Schwarzer, and Sarah Calve
• See related editorial by Konvalinka et al. (pp. 1541–1543).
- 1666 Serine Protease HTRA1 as a Novel Target Antigen in Primary Membranous Nephropathy**
Laith Farah Al-Rabadi, Tiffany Caza, Claire Trivin-Avillach, Aylin R. Rodan, Nicole Andeen, Norifumi Hayashi, Brandi Williams, Monica P. Revelo, Fred Clayton, Jo Abraham, Edwin Lin, Willisa Liou, Chang-Jiang Zou, Nirupama Ramkumar, Tim Cummins, Daniel W. Wilkey, Issa Kawalit, Christian Herzog, Aaron Storey, Rick Edmondson, Ronald Sjoberg, Tianxin Yang, Jeremy Chien, Michael Merchant, John Arthur, Jon Klein, Chris Larsen, and Laurence H. Beck Jr.
- 1682 A Rare Autosomal Dominant Variant in Regulator of Calcineurin Type 1 (RCAN1) Gene Confers Enhanced Calcineurin Activity and May Cause FSGS**
Brandon M. Lane, Susan Murray, Katherine Benson, Agnieszka Bierzynska, Megan Chryst-Stangl, Liming Wang, Guanghong Wu, Gianpiero Cavalleri, Brendan Doyle, Neil Fennelly, Anthony Dorman, Shane Conlon, Virginia Vega-Warner, Damian Fermin, Poomima Vijayan, Mohammad Azfar Qureshi, Shirlee Shril, Moumita Barua, Friedhelm Hildebrandt, Martin Pollak, David Howell, Matthew G. Sampson, Moin Saleem, Peter J. Conlon, Robert Spurney, and Rasheed Gbadegesin
- 1697 Autonomous Calcium Signaling in Human and Zebrafish Podocytes Controls Kidney Filtration Barrier Morphogenesis**
Lydia Djenoune, Ritu Tomar, Aude Dorison, Irene Ghobrial, Heiko Schenk, Jan Hegermann, Lynne Beverly-Staggs, Alejandro Hidalgo-Gonzalez, Melissa H. Little, and Iain A. Drummond
- 1713 Identification of an Altered Matrix Signature in Kidney Aging and Disease**
Michael J. Randles, Franziska Lausecker, Qingyang Kong, Hani Suleiman, Graeme Reid, Maria Kolatsi-Joannou, Bernard Davenport, Pinyuan Tian, Sara Falcone, Paul Potter, Tom Van Agtmael, Jill T. Norman, David A. Long, Martin J. Humphries, Jeffrey H. Miner, and Rachel Lennon
• See related editorial by Konvalinka et al. (pp. 1541–1543).
- CLINICAL EPIDEMIOLOGY**
- 1733 Patients with High Priority for Kidney Transplant Who Are Not Given Expedited Placement on the Transplant Waiting List Represent Lost Opportunities**
Jesse D. Schold, Anne M. Huml, Emilio D. Poggio, John R. Sedor, Syed A. Husain, Kristin L. King, Sumit Mohan
• See related editorial by Gill et al. (pp. 1544–1545).
- 1747 Plasma Proteomics of Renal Function: A trans-Ethnic Meta-Analysis and Mendelian Randomization Study**
Pamela R. Matías-García, Rory Wilson, Qi Guo, Shaza B. Zaghlool, James M. Eales, Xiaoguang Xu, Fadi J. Charchar, John Dormer, Haifa Maalmi, Pascal Schlosser, Mohamed A. Elhadad, Jana Nano, Sapna Sharma, Annette Peters, Alessia Fornoni, Dennis O. Mook-Kanamori, Juliane Winkelmann, John Danesh, Emanuele Di Angelantonio, Willem H. Ouwehand, Nicholas A. Watkins, David J. Roberts, Agnese Petrera, Johannes Graumann, Wolfgang Koenig, Kristian Hveem, Christian Jonasson, Anna Köttgen, Adam Butterworth, Marco Prunotto, Stefanie M. Hauck, Christian Herder, Karsten Suhre, Christian Gieger, Maciej Tomaszewski, Alexander Teumer, Melanie Waldenberger, and Human Kidney Tissue Resource
- CLINICAL RESEARCH**
- 1765 Diagnosis, Education, and Care of Patients with APOL1-Associated Nephropathy: A Delphi Consensus and Systematic Review**
Barry I. Freedman, Wylie Burke, Jasmin Divers, Lucy Eberhard, Crystal A. Gadegbeku, Rasheed Gbadegesin, Michael E. Hall, Tiffany Jones-Smith, Richard Knight, Jeffrey B. Kopp, Csaba P. Kovacs, Keith C. Norris, Opeyemi A. Olabisi, Glenda V. Roberts, John R. Sedor, and Erika Blacksher

- 1779 Phase 3 Randomized Study Comparing Vadadustat with Darbeoetin Alfa for Anemia in Japanese Patients with Nondialysis-Dependent CKD**
Masaomi Nangaku, Kazuoki Kondo, Yoshimasa Koka-do, Kiichiro Ueta, Genki Kaneko, Tsubasa Tandai, Yutaka Kawaguchi, and Yasuhiro Komatsu
- 1791 Effects of a Knowledge-Translation Intervention on Early Dialysis Initiation: A Cluster Randomized Trial**
Navdeep Tangri, Amit X. Garg, Thomas W. Ferguson, Stephanie Dixon, Claudio Rigatto, Selina Allu, Elaine Chau, Paul Komenda, David Naimark, Gihad E. Nesrallah, Steven D. Soroka, Monica Beaulieu, Ahsan Alam, S. Joseph Kim, Manish M. Sood, and Braden Manns
- 1801 The Effect of Tolvaptan on BP in Polycystic Kidney Disease: A Post *Hoc* Analysis of the TEMPO 3:4 Trial**
Judith E. Heida, Ron T. Gansevoort, Vicente E. Torres, Olivier Devuyst, Ronald D. Perrone, Jennifer Lee, Hui Li, John Ouyang, and Arlene B. Chapman
- 1813 Cardiac and Noncardiac Determinants of Exercise Capacity in CKD**
Shanmugakumar Chinnappa, Nigel Lewis, Omer Baldo, Ming-Chieh Shih, Yu-Kang Tu, and Andrew Mooney

LETTERS TO THE EDITOR

- 1823 High Incidence of Circuit Clotting in Critically Ill COVID-19 Patients Treated with Renal Replacement Therapy**
Eloïse Grenon and Emmanuel Canet
• See related original article, "AKI Treated with Renal Replacement Therapy in Critically Ill Patients with COVID-19," in Vol. 32, Iss. 1, on pages 161–176.
- 1824 Utility of Phosphate Binder Equivalent Dose Concept**
Manjunath Kulkarni
• See related reply on page 1824, and original article "A Randomized Trial of Tenapanor and Phosphate Binders as a Dual-Mechanism Treatment for Hyperphosphatemia in Patients on Maintenance Dialysis (AMPLIFY)," in Vol. 32, Iss. 6, on pages 1465–1473.
- 1825 Authors' Reply**
Pablo E. Pergola, David P. Rosenbaum, Yang Yang, and Glenn M. Chertow
• See related letter to the editor, "Utility of Phosphate Binder Equivalent Dose Concept," on pages 1818–1819, and original article, "A Randomized Trial of Tenapanor and Phosphate Binders as a Dual-Mechanism Treatment for Hyperphosphatemia in Patients on Maintenance Dialysis (AMPLIFY)," in Vol. 32, Iss. 6, on pages 1465–1473.