

# CJASN<sup>®</sup>

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## Patient Voice

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**1773 Patient Views on Telehealth for Kidney Disease Care**

*Julie Glennon*

*See related article on page 1813.*

## Editorials

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**1775 Atrasentan: The Difficult Task of Integrating Endothelin A Receptor Antagonists into Current Treatment Paradigm for Diabetic Kidney Disease**

*Alberto Ortiz and Beatriz Fernandez-Fernandez*

*See related article on page 1824.*

**1779 APOL1 Kidney Risk Variants and Acute Kidney Injury in Those with COVID-19: True Association or Red Herring?**

*Crystal A. Gadegbeku and John R. Sedor*

*See related article on page 1790.*

**1781 Should We Let Dialysis Patients Eat Their Fruits and Veggies?**

*Csaba P. Kovesdy*

*See related article on page 1851.*

**1784 Telehealth and Kidney Disease Care: Role after the Public Health Emergency?**

*Susie Q. Lew and Neal Sikka*

*See related article on page 1813.*

**1787 Time to Abandon Kidney Biopsy to Diagnose Membranous Nephropathy?**

*Pierre Ronco and Emmanuelle Plaisier*

*See related article on page 1833.*

## Original Articles

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### Acute Kidney Injury and ICU Nephrology

**1790 APOL1 Risk Variants and Acute Kidney Injury in Black Americans with COVID-19**

*Christopher P. Larsen, Terrance J. Wickman, Juarez R. Braga, Luis A. Matute-Trochez, Anna E. Hasty, Lyndsey R. Buckner, John M. Arthur, Randy S. Haun, and Juan Carlos Q. Velez*

*See related editorial on page 1779.*

### Chronic Kidney Disease

**1797 Association of Polypharmacy with Kidney Disease Progression in Adults with CKD**

*Hiroshi Kimura, Kenichi Tanaka, Hirotaka Saito, Tsuyoshi Iwasaki, Akira Oda, Shuhei Watanabe, Makoto Kanno, Michio Shimabukuro, Koichi Asahi, Tsuyoshi Watanabe, and Junichiro James Kazama*

**1805 Change in Physical Activity and Function in Patients with Baseline Advanced Nondialysis CKD**

*Christie Rampersad, Joseph Darcel, Oksana Harasemiw, Ranveer S. Brar, Paul Komenda, Claudio Rigatto, Bhanu Prasad, Clara Bohm, and Navdeep Tangri*

## Clinical Nephrology

### 1813 Video-Based Telemedicine for Kidney Disease Care: A Scoping Review

*Ann Young, Ani Orchanian-Cheff, Christopher T. Chan, Ron Wald, and Stephanie W. Ong*  
See related Patient Voice and editorial on pages 1773 and 1784, respectively.

## Diabetes and the Kidney

### 1824 The Effect of Atrasentan on Kidney and Heart Failure Outcomes by Baseline Albuminuria and Kidney Function: A Post Hoc Analysis of the SONAR Randomized Trial

*Simke W. Waijer, Ron T. Gansevoort, George L. Bakris, Ricardo Correa-Rotter, Fan-Fan Hou, Donald E. Kohan, Dalane W. Kitzman, Hirofumi Makino, John J.V. McMurray, Vlado Perkovic, Sheldon Tobe, Hans-Henrik Parving, Dick de Zeeuw, and Hiddo J.L. Heerspink*  
See related editorial on page 1775.

## Glomerular and Tubulointerstitial Diseases

### 1833 Noninvasive Diagnosis of PLA2R-Associated Membranous Nephropathy: A Validation Study

*Shane A. Bobart, Heedeok Han, Shahrzad Tehranian, An S. De Vriese, Juan Carlos Leon Roman, Sanjeev Sethi, Ladan Zand, Cristina Andrades Gomez, Callen D. Giesen, Maria Jose Soler, Andrew S. Bomback, and Fernando C. Fervenza*  
See related editorial on page 1787.

### 1840 Collectin11 and Complement Activation in IgA Nephropathy

*Min Wei, Wei-yi Guo, Bo-yang Xu, Su-fang Shi, Li-jun Liu, Xu-jie Zhou, Ji-cheng Lv, Li Zhu, and Hong Zhang*

## Maintenance Dialysis

### 1851 Dietary Potassium Intake and All-Cause Mortality in Adults Treated with Hemodialysis

*Amelie Bernier-Jean, Germaine Wong, Valeria Saglimbene, Marinella Ruospo, Suetonia C. Palmer, Patrizia Natale, Vanessa Garcia-Larsen, David W. Johnson, Marcello Tonelli, Jörgen Hegbrant, Jonathan C. Craig, Armando Teixeira-Pinto, and Giovanni F.M. Strippoli*  
See related editorial on page 1781.

## Transplantation

### 1862 Racial Disparities in Pediatric Kidney Transplantation under the New Kidney Allocation System in the United States

*Jill R. Krissberg, Matthew B. Kaufmann, Anshal Gupta, Eran Bendavid, Margaret Stedman, Xingxing S. Cheng, Jane C. Tan, Paul C. Grimm, and Abanti Chaudhuri*

## Research Letters

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### 1872 Humoral Response to BNT162b2 mRNA SARS-CoV-2 Vaccine in Patients with Nondialysis Chronic Kidney Disease

*Delphine Kervella, Pierre Braud, Claire Garandeau, Celine Phelizot, Xavier Ambrosi, Gilles Blancho, Maryvonne Hourmant, Lucile Figueres, and the Divat Consortium*

### 1875 Humoral Response to One and Two Doses of ChAdOx1-S Vaccine in Patients on Hemodialysis

*Ashok Kumar Yadav, Vijay Singh Gondil, Manish Singla, Ajay Goyal, Raka Kaushal, Munish Chauhan, and Vivekanand Jha*

## Erratum

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### 1877 Correction: Prognostic Factors and Long-Term Outcome with ANCA-Associated Kidney Vasculitis in Childhood

## Kidney Transplantation Long-Term Management Challenges

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### 1878 Post-Transplant Cardiovascular Disease

*Kelly A. Birdwell and Meyeon Park*

### 1890 Thinking Outside the Box: Novel Kidney Protective Strategies in Kidney Transplantation

*Hassan N. Ibrahim, Dina N. Murad, and Greg A. Knoll*

## Kidney Case Conference: How I Treat

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### **1898 Kidney Replacement Therapy for Patients Requiring Cardiopulmonary Bypass Support during Cardiac Surgery**

*Jacob S. Stevens and Jai Radhakrishnan*

## Perspectives

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### **1901 A Body Size–Adjusted Maximum Ultrafiltration Rate Warning Level Is Not Equitable for Larger Patients**

*John T. Daugirdas*

### **1903 Food Insecurity and Kidney Disease: Symptoms of Structural Racism**

*Reya Mokiao and Sangeeta Hingorani*

### **1906 What Is the Best Maintenance Therapy for ANCA Vasculitis?**

*Katti Woerner and Patrick H. Nachman*

## Reviews

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### **1909 When and How Is It Possible to Stop Therapy in Patients with Lupus Nephritis: A Narrative Review**

*Gabriella Moroni, Giulia Frontini, and Claudio Ponticelli*

### **1918 Classification of Uremic Toxins and Their Role in Kidney Failure**

*Mitchell H. Rosner, Thiago Reis, Faeq Husain-Syed, Raymond Vanholder, Colin Hutchison, Peter Stenvinkel, Peter J. Blankestijn, Mario Cozzolino, Laurent Juillard, Kianoush Kashani, Manish Kaushik, Hideki Kawanishi, Ziad Massy, Tammy Lisa Sirich, Li Zuo, and Claudio Ronco*

## On the Cover

### **What is the Diagnosis?**

A 51-year-old male with long-standing diabetes was evaluated for worsening proteinuria and progressive CKD (creatinine, 2.5 mg/dl). An IgG kappa monoclonal protein was identified and a kidney biopsy was pursued to exclude paraproteinemic kidney disease. Blood pressure was 140/70 mmHg prior to biopsy. The patient presented to the hospital 4 days postbiopsy with acute onset severe flank pain. His blood pressure was significantly elevated (initial blood pressure of 203/92 mmHg), and his serum creatinine was 4.9 mg/dl. Computed tomography imaging revealed a subcapsular hematoma and a diagnosis of Page kidney was made. The patient was taken to the operating room for evacuation of the hematoma with electrocautery of a slow active bleeding blood vessel. The patient's blood pressure quickly normalized thereafter, and his kidney function recovered back to baseline over the following week.

### **Image Description:**

Abdominal computed tomography scan demonstrating a 3.3×7.1 cm subcapsular hematoma with compression of the adjacent kidney parenchyma. Axial and sagittal planes show a subcapsular density surrounding the right kidney. The unaffected left kidney can be seen for comparison.

### **Teaching Points:**

Page kidney or phenomenon describes external compression of the kidney by a perinephric process such as a hematoma causing significant mass effect on the kidney parenchyma. Renin-angiotensin system activation mediated by impaired kidney perfusion and resultant microvascular ischemia leads to hypertension. It is important to recognize Page kidney as compression relief is crucial to address both kidney injury caused by ischemia as well as the secondary hypertension.

*(Images and text provided by Hanny Sawaf, Alvin Wee, Serge Harb, and Ali Mehdi, Cleveland Clinic Foundation, Cleveland, Ohio.)*