Debates in Nephrology

776 Should PLEX Be Used for Severe AKI and/or Pulmonary Hemorrhage in ANCA-Associated Vasculitis (AAV)? PRO  
Vimal K. Derebail  
See related debate on page 779 and commentary on page 782.

779 Should PLEX Be Used for Severe AKI and/or Pulmonary Hemorrhage in ANCA-Associated Vasculitis (AAV)? CON  
Richard J. Glassock  
See related debate on page 776 and commentary on page 782.

Moderator Commentary

782 Should PLEX Be Used for Severe AKI and/or Pulmonary Hemorrhage in ANCA-Associated Vasculitis (AAV)?  
COMMENTARY  
Ronald J. Falk  
See related debates on pages 776 and 779.

Original Investigation

Chronic Kidney Disease

784 Twist1 in T Lymphocytes Augments Kidney Fibrosis after Ureteral Obstruction  
Jiafa Ren, Xiaohan Lu, Robert Griffiths, Jamie R. Privratsky, and Steven D. Crowley

Cystic Kidney Disease

795 Association of Baseline Urinary Metabolic Biomarkers with ADPKD Severity in TAME-PKD Clinical Trial Participants  
Kenneth R. Hallows, Andrew D. Althouse, Hui Li, Biagio Saitta, Kaleab Z. Abebe, Kyongtae T. Bae, Dana C. Miskulin, Ronald D. Perrone, Stephen L. Seliger, and Terry J. Wintnick

Diabetes and the Kidney

809 A Hyaluronan Synthesis Inhibitor Delays the Progression of Diabetic Kidney Disease in A Mouse Experimental Model  
Guillermo Selman, Laisel Martinez, Andrea Lightle, Alejandra Aguilar, Daniel Woltmann, Yuxuan Xiao, Roberto I. Vazquez-Padron, and Loay H. Salman

Dialysis

819 Renal Recovery and Mortality Risk among Patients with Hepatorenal Syndrome Receiving Chronic Maintenance Dialysis  
Sophie McAllister, Jennifer C. Lai, Timothy P. Copeland, Kirsten L. Johansen, Charles E. McCulloch, Yuenting D. Kwong, Divya Seth, Barbara Grimes, and Elaine Ku

Glomerular and Tubulointerstitial Diseases

828 Total Nephron Number and Single-Nephron Parameters in Patients with IgA Nephropathy  

Hypertension

842 The Transcription Factor Sox6 Controls Renin Expression during Renal Artery Stenosis  
Mohammad Saleem, Luz Saavedra-Sánchez, Pierina Barturen-Larrea, and Jose A. Gomez
### Mineral Metabolism

**857** Free Deoxycholic Acid Exacerbates Vascular Calcification in CKD through ER Stress-Mediated ATF4 Activation  
Shinobu Miyazaki-Anzai, Masashi Masuda, Yuji Shiozaki, Audrey L. Keenan, Michel Chonchol, Claus Kremoser, and Makoto Miyazaki

### Brief Communication

**869** Utility of Kinetic GFR for Predicting Severe Persistent AKI in Critically Ill Children and Young Adults  
Shina Menon, Rajit K. Basu, Matthew F. Barhight, Stuart L. Goldstein, and Katja M. Gist

### Genetics

**873** Whole-Exome Sequencing Application for Genetic Diagnosis of Kidney Diseases: A Study from Southwest of Iran  
Mina Zamani, Tahereh Seifi, Sahar Sedighzadeh, Samira Negahdari, Jawaher Zeighami, Alireza Sedaghat, Tahereh Yadegari, Alihossein Saberi, Mohammad Hamid, Gholamreza Shariati, and Hamid Galehdari

### Clinical Research Methods

**878** Introduction to Supervised Machine Learning  
Aditya Biswas, Ishan Saran, and F. Perry Wilson

### Perspective

**881** Are the Protective Effects of SGLT2 Inhibitors a “Class-Effect” or Are There Differences between Agents?  
Darren W. Schmidt, Christos Argyropoulos, and Namita Singh

**886** Kidney–Gut Crosstalk in AKI  
Sang Kyung Jo

**890** The Potential Role of the Gut Microbiota in Kidney Transplantation  
Jennifer Huang, Thalia Salinas, Lars F. Westblade, and John R. Lee

### Review Article

**894** Renal Hemodynamics, Function, and Oxygenation in Critically Ill Patients and after Major Surgery  
Sven-Erik Ricksten, Gudrun Bragadottir, Lukas Lannemyr, Bengt Redfors, and Jenny Skytte

**905** Role of Virus-Specific T Cell Therapy for Cytomegalovirus and BK Infections in Kidney Transplant Recipients  
Sandesh Parajuli, Margaret Jorgenson, Ross O. Meyers, Arjang Djamali, and Jacques Galipeau

### Clinical Images in Nephrology and Dialysis

**916** Worsening Kidney Function, Proteinuria, and Hematuria in a Patient with CLL  
Pavan Chopra, Nicole K. Andeen, and Stephen E. Spurgeon

**918** AKI in a Patient with Fever, Rash, and Joint Pain  
Abraham W. Aron and Ursula C. Brewster

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**On the Cover**

Glomerulus on light microscopy. Single glomeruli demonstrating lobular accentuation, mesangial hypercellularity with intracapillary hyaline thrombi or “cryoplugs” (hematoxylin and eosin x40x). Adapted from figure 2 in “AKI in a patient with fever, rash and joint pain” by Abraham W. Aron and Ursula Brewster. KIDNEY360 2: [918–919], 2021. DOI: 10.34067/KID.0000402021.