Debates in Nephrology

887 Kidney Biopsy Is Required for Nephrotic Syndrome with PLA2R⁺ and Normal Kidney Function: Pro
Jonathan J. Hogan
See related debates on page 890 and commentary on page 894.

890 Kidney Biopsy Is Required for Nephrotic Syndrome with PLA2R⁺ and Normal Kidney Function: The Con View
Shane A. Bobart and Fernando C. Fervenza
See related debates on page 887 and commentary on page 894.

Moderator Commentary

894 Kidney Biopsy Is Required for Nephrotic Syndrome with PLA2R⁺ and Normal Kidney Function: Commentary
Richard J. Glassock
See related debates on pages 887 and 890.

Original Investigations

Chronic Kidney Disease

897 Hypoglycemia in Patients with Type 2 Diabetes Mellitus and Chronic Kidney Disease: A Prospective Observational Study
Susana Hong, Lubaina Presswala, Yael T. Harris, Isabela Romao, Daniel W. Ross, Hugo Andrade Paz, Meng Zhang, Kenar D. Jhaveri, Vipul Sakhya, and Steven Fishbane

904 Screening and Recognition of Chronic Kidney Disease in VA Health Care System Primary Care Clinics
Shweta Bansal, Michael Mader, and Jacqueline A. Pugh

Dialysis

916 Patency Outcomes of Arteriovenous Fistulas and Grafts for Hemodialysis Access: A Trade-Off between Nonmaturation and Long-Term Complications
Bram M. Voorzaat, Cynthia J. Janmaat, Koen E.A. van der Bogt, Friedo W. Dekker, and Joris I. Rotmans, on behalf of the Vascular Access Study Group

925 The Geometry of Arteriovenous Fistulas Using Endothelial Nitric Oxide Synthase Mouse Models
Isabelle Falzon, Hannah Northrup, Lingling Guo, John Totenhagen, Timmy Lee, and Yan-Ting Shiu

Genetics

936 Heterozygous Urinary Abnormality–Causing Variants of COL4A3 and COL4A4 Affect Severity of Autosomal Recessive Alport Syndrome
Tomoko Horinouchi, Tomohiko Yamamura, China Nagano, Nana Sakakibara, Shinya Ishiko, Yuya Aoto, Rini Rossanti, Koichi Nakanishi, Yuko Shima, Naoya Morisada, Kazumoto Iijima, and Kandai Nozu
Glomerular and Tubulointerstitial Diseases

943 Substitution of Oral for Intravenous Cyclophosphamide in Membranous Nephropathy
Leonella Luzardo, Gabriela Ottati, Jimena Cabrera, Hernando Trujillo, Mariela Garau, Carlota González Bedat, Ruben Coitiño, María H. Aunchayna, José Santiago, Graciela Baldovinos, Ricardo Silvariño, Alejandro Ferreiro, Francisco González-Martínez, Liliana Gadola, Oscar Noboa, and Hena Caorsi

Mineral Metabolism

950 Association of FGF23 with Incident Sepsis in Community-Dwelling Adults: A Cohort Study
Shejuti Paul, Suzanne E. Judd, Henry E. Wang, and Orlando M. Gutiérrez

Brief Communications

957 Elevated Plasma Free Sialic Acid Levels in Individuals with Reduced Glomerular Filtration Rates
Federico Fuentes, Nuria Carrillo, Kenneth J. Wilkins, Jodi Blake, Petcharat Leoyklang, William A. Gahl, Jeffrey B. Kopp, and Marjan Huizing

962 Loss of Cilia Does Not Slow Liver Disease Progression in Mouse Models of Autosomal Recessive Polycystic Kidney Disease
Anna Rachel Gallagher and Stefan Somlo

Innovative Technology and Methodology

969 Single Lumen Alternating Micro-Batch Hemodiafiltration (SLAMB-HDF): A Device for Minimally Invasive Renal Replacement Therapy
Lakhmir S. Chawla

Global Perspective

974 Global Dialysis Perspective: Vietnam
Bui Pham Van and Chien Vo Duc

Perspective

977 Gerhard Giebisch and the Gift of Mentorship
Peter S. Aronson

Basic Science for Clinicians

982 Shaping Up Mitochondria in Diabetic Nephropathy
Koki Mise, Daniel L. Galvan, and Farhad R. Danesh

Review Articles

993 A Systematic Approach To Promoting Home Hemodialysis during End Stage Kidney Disease
Robert Lockridge Jr., Eric Weinhandl, Michael Kraus, Martin Schreiber, Leslie Spry, Prayus Tailor, Michelle Carver, Joel Glickman, and Brent Miller

1002 Fibrillary Glomerulonephritis and DnaJ Homolog Subfamily B Member 9 (DNAJB9)
Nattawat Klomjit, Mariam Priya Alexander, and Ladan Zand

1014 Approach to Persistent Microscopic Hematuria in Children
Mahmoud Kallash and Michelle N. Rheault

1021 Hypoxia-Inducible Factor and Oxygen Biology in the Kidney
Mai Sugahara, Tetsuhiro Tanaka, and Masaomi Nangaku
Penile Pain in a Hemodialysis Patient
Clara Miguelina Cabrera Fermin, Shashank Singh, and Abhilash Koratala

Unexpected FDG-PET Scan Finding in an ESKD Patient with Weight Loss
Eléonore Ponlot and Eric Goffin

Sudden Coma and Quadriplegia in a Hemodialysis Patient
Chih-Hen Yu, Han-Wei Huang, and Junne-Ming Sung

On the Cover
AVF geometrical parameter calculation. Points, lines, planes, and vectors used for calculating the (top left) anastomosis angle, (top right) tortuosity, (bottom left) nonplanarity angle, and (bottom right) maximum distance between the vein and artery. In all panels, the red circle indicates the point of the anastomosis origin. In (top left)-(bottom left), solid gray lines indicate lumen centerlines. In (top left) and (bottom left), yellow squares are points in the centerlines that are 1-mm straight-line distances from the anastomosis origin, and the dashed arcs represent the anastomosis or nonplanarity angle, respectively. In (top right) and (bottom left), the blue triangle is the max distance point. In (top right), D1 and L1 are the straight-line distance and along-the-centerline distance from the anastomosis origin to the point of max distance, respectively. In (bottom left), the yellow plane represents the anastomosis plane. In (bottom right), the black dots are the points the centerline is composed of, the plane indicated by the teal rectangular outline is normal to the proximal artery centerline and contains the teal cross-sections, and L2 and L3 are the along-the-centerline distances in the AVF vein and proximal artery, respectively, to the maximum distance between the artery and the vein, indicated by the blue star and dashed line. Adapted from Figure 2 of “The Geometry of Arteriovenous Fistulas Using Endothelial Nitric Oxide Synthase Mouse Models” by Isabelle Falzon, Hannah Northrup, Lingling Guo, John Totenhagen, Timmy Lee, Yan-Ting Shiu. KIDNEY360 1: 925-935, 2020. doi: 10.34067/KID.0001832020.