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1557 Utilization of Deep Learning for Subphenotype Identification in Sepsis-Associated Acute Kidney Injury
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1576 Effect of Urate-Lowering Therapy on Cardiovascular and Kidney Outcomes: A Systematic Review and Meta-Analysis
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1587 Major Bleeding and Risk of Death after Percutaneous Native Kidney Biopsies: A French Nationwide Cohort Study
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1595 Systematic Review and Meta-Analysis of Native Kidney Biopsy Complications
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1603 Trends in Mineral Metabolism Treatment Strategies in Patients Receiving Hemodialysis in the United States
Rasheeda Hall, Alyssa Platt, Jonathan Wilson, Patti L. Ephraim, Angelina S. Hwang, Angel Chen, Daniel E. Weiner, L. Ebony Boulware, Jane Pendergast, and Julia J. Scialla, on behalf of The Comparative Effectiveness Studies in Dialysis Patients Group

1614 Validation of a Core Patient-Reported Outcome Measure for Fatigue in Patients Receiving Hemodialysis: The SONG-HD Fatigue Instrument
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1622 Trends in Use and In-Hospital Outcomes of Subcutaneous Implantable Cardioverter Defibrillators in Patients Undergoing Long-Term Dialysis
Patrick H. Pun, Craig S. Parzynski, Daniel J. Friedman, Gillian Sanders, Jeptha P. Curtis, and Sana M. Al-Khatib

1631 Association of VA Payment Reform for Dialysis with Spending, Access to Care, and Outcomes for Veterans with ESKD
Virginia Wang, Shailender Swaminathan, Emily A. Corneau, Matthew L. Maciejewski, Amal N. Trivedi, Ann M. O’Hare, and Vincent Mor

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1640 QT Interval in Adult with Chronic Hypokalemia due to Gitelman Syndrome: Not so Frequently Prolonged
Pierre-Yves Courand, Pedro Marques, Rosa Vargas-Poussou, Michel Azizi, Anne Blanchard, and the GITAB study investigators

Genomics of Kidney Disease

1643 Genome-Wide Association Studies of CKD and Related Traits
Adrienne Tin and Anna Köttgen

Kidney Case Conference: Nephrology Quiz & Questionnaire

1657 Pain Management in a Patient with Kidney Failure
Louise Moist
On the Cover

What is the diagnosis?

We report on a 46-year-old Japanese woman admitted for kidney failure. The patient was 164 cm tall and weighed 120 kg; her BMI was 44.6 kg/m². At admission, blood pressure was 186/86 mm Hg; creatinine, 5.7 mg/dl; serum glucose, 81 mg/dl; HbA1c, 5.1%; and urinary protein excretion, 4.1 g/d. She had neither history of smoking nor diabetic retinopathy, and had been severely obese with a weight of more than 110 kg since the age of 20.

Image Description:
Light microscopy of a kidney biopsy specimen showed multiple nodules (arrow) on the peripheral capillaries of the glomeruli (left image), immunofluorescence showed mild linear staining for IgG, and electron microscopy showed a marked increase (small arrow) in the mesangial matrix and a thickening (large arrow) of the glomerular basement membrane to 800 to 950 nm (right image).

Teaching Points:
If this patient had a history of diabetes, kidney biopsy would be diagnosed as nodular diabetic nephropathy. However, in the absence of diabetes, the diagnosis is idiopathic nodular glomerulosclerosis. Idiopathic nodular glomerulosclerosis resembles nodular diabetic nephropathy and has been reported to occur in nondiabetic smokers. This case indicates that long-standing severe obesity may contribute to idiopathic nodular glomerulosclerosis via hyperfiltration, similar to diabetic nephropathy, even in nondiabetic nonsmokers.

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