

**This Month's Highlights**

**UP FRONT MATTERS**

**Editorials**

- 1339 **Kindlin-2: A New Player in Renal Fibrogenesis**  
Raimund Hirschberg  
• See related article by Wei et al. (pp. 1387–1398).
- 1340 **Ultrasonic Stimulation of the Cholinergic Anti-Inflammatory Pathway for Renal Protection**  
Jean-Michel Hougardy, Claude Sadis, and Alain Le Moine  
• See related article by Gigliotti et al. (pp. 1451–1460).
- 1342 **Galectin-3 and New-Onset CKD: Marker or Mediator?**  
Pietro Ravani and Brendan J. Barrett  
• See related article by O'Seaghdha et al. (pp. 1470–1477).
- 1344 **APOL1 and Progression of Nondiabetic Nephropathy**  
Nicholette D. Palmer and Barry I. Freedman  
• See related article by Foster et al. (pp. 1484–1491).

**Brief Reviews**

- 1347 **Human Kidney Cell Reprogramming: Applications for Disease Modeling and Personalized Medicine**  
Adam C. O'Neill and Sharon D. Ricardo
- 1357 **The Pathogenesis of Lupus Nephritis**  
Maciej Lech and Hans-Joachim Anders

**Clinical Commentary**

- 1367 **Has the Yearly Increase in the Renal Replacement Therapy Population Ended?**  
Steven Jay Rosansky and William F. Clark

**BRIEF COMMUNICATIONS**

- 1371 **Estimating Renal Survival Using the ANCA-Associated GN Classification**  
Marc Hilhorst, Benjamin Wilde, Peter van Breda Vriesman, Pieter van Paassen, and Jan Willem Cohen Tervaert, for the Limburg Renal Registry

- 1376 **Genomic Biomarkers Correlate with HLA-Identical Renal Transplant Tolerance**  
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**BASIC RESEARCH**

- 1387 **Kindlin-2 Mediates Activation of TGF- $\beta$ /Smad Signaling and Renal Fibrosis**  
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• See related editorial by Hirschberg (pp. 1339–1340).
- 1399 **★Wnt4/ $\beta$ -Catenin Signaling in Medullary Kidney Myofibroblasts**  
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- 1413 **★Ouabain Protects against Shiga Toxin-Triggered Apoptosis by Reversing the Imbalance between Bax and Bcl-xL**  
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- 1424 **Direct Transcriptional Reprogramming of Adult Cells to Embryonic Nephron Progenitors**  
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- 1435 **★Cdc42 Deficiency Causes Ciliary Abnormalities and Cystic Kidneys**  
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**1451    Ultrasound Prevents Renal Ischemia-Reperfusion Injury by Stimulating the Splenic Cholinergic Anti-Inflammatory Pathway**

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- See related editorial by Hougardy et al. (pp. 1340–1342).

**CLINICAL EPIDEMIOLOGY**

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**1470    Elevated Galectin-3 Precedes the Development of CKD**

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- See related editorial by Ravani and Barrett (pp. 1342–1344).

**1478    ★Medical Costs of CKD in the Medicare Population**

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**1484    APOL1 Variants Associate with Increased Risk of CKD among African Americans**

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- See related editorial by Palmer and Freedman (pp. 1344–1346).

**CLINICAL RESEARCH**

**1493    ★Associations of Frequency and Duration of Patient-Doctor Contact in Hemodialysis Facilities with Mortality**

Takehiko Kawaguchi, Angelo Karaboyas, Bruce M. Robinson, Yun Li, Shunichi Fukuhara, Brian A. Bieber, Hugh C. Rayner, Vittorio E. Andreucci, Ronald L. Pisoni, Friedrich K. Port, Hal Morgenstern, Tadao Akizawa, and Rajiv Saran