

**This Month's Highlights**  
ASN News

**UP FRONT MATTERS**

**Editorials**

- 1987 **JASN Begins Anew**  
Eric G. Neilson, Vivian Siegel, and  
Raymond C. Harris
- 1987 **Removing Antibody and Preserving Glomeruli  
in ANCA Small-Vessel Vasculitis**  
Sofia Lionaki and Ronald J. Falk
- See related articles by Jayne et al. (pp. 2180–2188)  
and by de Lind van Wijngaarden et al. (pp. 2189–  
2197).
- 1989 **Renin and Its Putative Receptor Remain  
Enigmas**  
Friedrich C. Luft
- See related article by Takahashi et al. (pp. 2054–  
2061).
- 1992 **Improving Outcomes from Acute Kidney Injury**  
Bruce A. Molitoris, Adeera Levin,  
David G. Warnock, Michael Joannidis,  
Ravindra L. Mehta, John A. Kellum, Claudio Ronco,  
and Sudhir Shah; on behalf of the  
Acute Kidney Injury Network

**Occasional Observation**

- 1995 **Plasticity, Nuclear Diapause, and a Requiem  
for the Terminal Differentiation of Epithelia**  
Eric G. Neilson

**Clinical Commentary**

- 1999 **Hypophosphatemia: Clinical Consequences  
and Management**  
Steven M. Brunelli and Stanley Goldfarb

**Brief Reviews**

- 2004 **Epithelial to Mesenchymal Transition and  
Peritoneal Membrane Failure in Peritoneal  
Dialysis Patients: Pathologic Significance and  
Potential Therapeutic Interventions**  
Luiz S. Aroeira, Abelardo Aguilera,  
José A. Sánchez-Tomero, M. Auxiliadora Bajo,  
Gloria del Peso, José A. Jiménez-Heffernan,  
Rafael Selgas, and Manuel López-Cabrera
- 2014 **Molecular Insights into Segmentation along  
the Proximal–Distal Axis of the Nephron**  
Raphael Kopan, Hui-Teng Cheng, and  
Kameswaran Surendran

**Special Article**

- 2021 **Cost, Quality, and Value: The Changing  
Political Economy of Dialysis Care**  
Jonathan Himmelfarb, Arnold Berns,  
Lynda Szczech, and Donald Wesson

**Science in Renal Medicine**

- 2028 **Decreased Effective Blood Volume in  
Edematous Disorders: What Does This Mean?**  
Robert W. Schrier

**Pathophysiology of the Renal Biopsy**

- 2032 **Nodular Glomerulosclerosis in the  
Nondiabetic Smoker**  
Samih H. Nasr and Vivette D. D'Agati

**BASIC RESEARCH**

- 2037 **Role of gp91<sup>phox</sup>-Containing NADPH Oxidase  
in Mediating the Effect of K Restriction on  
ROMK Channels and Renal K Excretion**  
Elisa Babilonia, Daohong Lin, Yan Zhang,  
Yuan Wei, Peng Yue, and Wen-Hui Wang

**2046** **The Continuous Erythropoietin Receptor Activator Affects Different Pathways of Diabetic Renal Injury**  
Jan Menne, Joon-Keun Park, Nelli Shushakova, Michael Mengel, Matthias Meier, and Danilo Fliser

**2054** ★ **Regression of Nephropathy Developed in Diabetes by (Pro)renin Receptor Blockade**  
Hidena Takahashi, Atsuhiko Ichihara, Yuki Kaneshiro, Kenta Inomata, Mariyo Sakoda, Tomoko Takemitsu, Akira Nishiyama, and Hiroshi Itoh  
• See related editorial by Luft (pp. 1989–1992).

**2062** **Flow-Induced  $[Ca^{2+}]_i$  Increase Depends on Nucleotide Release and Subsequent Purinergic Signaling in the Intact Nephron**  
Mikkel Erik Juul Jensen, Elvin Odgaard, Mette Høgh Christensen, Helle A. Praetorius, and Jens Leipziger

**2071** **Chemokine Receptor CXCR3 Mediates T Cell Recruitment and Tissue Injury in Nephrotoxic Nephritis in Mice**  
Ulf Panzer, Oliver M. Steinmetz, Hans-Joachim Paust, Catherine Meyer-Schwesinger, Anett Peters, Jan-Eric Turner, Gunther Zahner, Felix Heymann, Christian Kurts, Helmut Hopfer, Udo Helmchen, Friedrich Haag, André Schneider, and Rolf A.K. Stahl

**2085** ★ **Angiotensin II Stimulates Vacuolar  $H^+$ -ATPase Activity in Renal Acid-Secretory Intercalated Cells from the Outer Medullary Collecting Duct**  
Florina Rothenberger, Ana Velic, Paul A. Stehberger, Jana Kovacicova, and Carsten A. Wagner

**2094** **Increased Expression of Vascular Endothelial Growth Factor in Kidney Leads to Progressive Impairment of Glomerular Functions**  
Enqi Liu, Masatoshi Morimoto, Shuji Kitajima, Tomonari Koike, Ying Yu, Hideo Shiiki, Michio Nagata, Teruo Watanabe, and Jianglin Fan

**2105** **Reactive Oxygen Species in the Presence of High Glucose Alter Ureteric Bud Morphogenesis**  
Shao-Ling Zhang, Yun-Wen Chen, Stella Tran, Isabelle Chenier, Marie-Josée Hébert, and Julie R. Ingelfinger

**2116** ★ **Role of Hyperphosphatemia and 1,25-Dihydroxyvitamin D in Vascular Calcification and Mortality in Fibroblastic Growth Factor 23 Null Mice**  
Jason R. Stubbs, Shiguang Liu, Wen Tang, Jianping Zhou, Yong Wang, Xiaomei Yao, and L. Darryl Quarles

## CLINICAL EPIDEMIOLOGY

**2125** **Effect of Age, Gender, and Diabetes on Excess Death in End-Stage Renal Failure**  
Emmanuel Villar, Laurent Remontet, Michel Labeeuw, and René Ecochard; on behalf of the Association Régionale des Néphrologues de Rhône-Alpes and the French Renal Epidemiology and Information Network (REIN) Registry

**2135** **Prehypertension Increases the Risk for Renal Arteriosclerosis in Autopsies: The Hisayama Study**  
Toshiharu Ninomiya, Michiaki Kubo, Yasufumi Doi, Koji Yonemoto, Yumihiro Tanizaki, Kazuhiko Tsuruya, Katsuo Sueishi, Masazumi Tsuneyoshi, Mitsuo Iida, and Yutaka Kiyohara

## CLINICAL RESEARCH

**2143** **Comprehensive Molecular Diagnostics in Autosomal Dominant Polycystic Kidney Disease**  
Sandro Rossetti, Mark B. Consugar, Arlene B. Chapman, Vicente E. Torres, Lisa M. Guay-Woodford, Jared J. Grantham, William M. Bennett, Catherine M. Meyers, Denise L. Walker, Kyongtae Bae, Qin (Jean) Zhang, Paul A. Thompson, J. Philip Miller, Peter C. Harris, and the CRISP Consortium

**2161** ★ **Growth Hormone Treatment during Hemodialysis in a Randomized Trial Improves Nutrition, Quality of Life, and Cardiovascular Risk**  
Bo Feldt-Rasmussen, Martin Lange, Wladyslaw Sulowicz, Uzi Gafter, Kar Neng Lai, Jonas Wiedemann, Jens Sandal Christiansen, Meguid El Nahas; and the Adult Patients in Chronic Dialysis (APCD) Study Group

- 2172 Peritonitis in Children Who Receive Long-Term Peritoneal Dialysis: A Prospective Evaluation of Therapeutic Guidelines**  
Bradley A. Warady, Reinhard Feneberg, Enrico Verrina, Joseph T. Flynn, Dirk E. Müller-Wiefel, Nesrin Besbas, Aleksandra Zurowska, Nejat Aksu, Michel Fischbach, Ernesto Sojo, Osman Donmez, Lale Sever, Aydan Sirin, Steven R. Alexander, and Franz Schaefer; for the International Pediatric Peritonitis Registry (IPPR)
- 2180 Randomized Trial of Plasma Exchange or High-Dosage Methylprednisolone as Adjunctive Therapy for Severe Renal Vasculitis**  
David R.W. Jayne, Gill Gaskin, Niels Rasmussen, Daniel Abramowicz, Franco Ferrario, Loic Guillevin, Eduardo Mirapeix, Caroline O.S. Savage, Renato A. Sinico, Coen A. Stegeman, Kerstin W. Westman, Fokko J. van der Woude, Robert A.F. de Lind van Wijngaarden, and Charles D. Pusey; on behalf of the European Vasculitis Study Group  
• See related editorial by Lionaki and Falk (pp. 1987–1989).
- 2189 Chances of Renal Recovery for Dialysis-Dependent ANCA-Associated Glomerulonephritis**  
Robert A.F. de Lind van Wijngaarden, Herbert A. Hauer, Ron Wolterbeek, David R.W. Jayne, Gill Gaskin, Niels Rasmussen, Laure-Hélène Noël, Franco Ferrario, Rüdiger Waldherr, Jan A. Bruijn, Ingeborg M. Bajema, and E. Christiaan Hagen; for the European Vasculitis Study Group (EUVAS)  
• See related editorial by Lionaki and Falk (pp. 1987–1989).
- 2198 ★ Oxalate Intake and the Risk for Nephrolithiasis**  
Eric N. Taylor and Gary C. Curhan
- 2205 ★ Moderate Chronic Kidney Disease and Cognitive Function in Adults 20 to 59 Years of Age: Third National Health and Nutrition Examination Survey (NHANES III)**  
Susan M. Hailpern, Michal L. Melamed, Hillel W. Cohen, and Thomas H. Hostetter