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).

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

2004  Brief Reviews  
  • 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, Glória del Peso, José A. Jiménez-Hefflman, 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

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

2028  Science in Renal Medicine  
  • Decreased Effective Blood Volume in Edematous Disorders: What Does This Mean?  Robert W. Schrier

2032  Pathophysiology of the Renal Biopsy  
  • Nodular Glomerulosclerosis in the Nondiabetic Smoker  Samih H. Nasr and Vivette D. D’Agati

2037  BASIC RESEARCH  
  • Role of gp91phox-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, Atsuhiro Ichihara, Yuki Kaneshiro, Kenta Inomata, Mariyo Sakoda, Tomoko Takemitsu, Akira Nishiyama, and Hiroshi Itoh


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

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 Kovacikova, 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 Ecchard; 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
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 Zuworska, 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)

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).

Chances of Renal Recovery for Dialysis-Dependent ANCA-Associated Glomerulonephritis
See related editorial by Lionaki and Falk (pp. 1987–1989).

Oxalate Intake and the Risk for Nephrolithiasis
Eric N. Taylor and Gary C. Curhan

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