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-Heffler, 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-phox-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

Red star ★ indicates articles that are features in This Month’s Highlights.
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

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

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

Chemokine Receptor CXCR3 Mediates T Cell Recruitment and Tissue Injury in Nephrotoxic Nephritis in Mice

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

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, Tenuo Watanabe, and Jianglin Fan

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

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

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

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

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

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 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)

Randomized Trial of Plasma Exchange or High-Dosage Methylprednisolone as Adjunctive Therapy for Severe Renal Vasculitis
* 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