Editorials

2729 Age, eGFR, and CKD Complications
Jean L. Holley
See related article on pages 2822.

2732 Influence of Reporting Methods of Outcomes across Transplant Centers
Akinlolu O. Ojo
See related article on page 2838.

2735 FGF23 Beyond Mineral Metabolism: A Bridge to Cardiovascular Disease
Tobias E. Larsson
See related article on page 2871.

2738 Lipoprotein Subfractions and Particle Size in End-Stage Renal Disease
Peter A. McCullough, Fawaz Al-Ejel, and Robert C. Maynard
See related article on page 2861.

Original Articles

Acute Kidney Injury/Acute Renal Failure

2740 Risk of Poor Outcomes with Novel and Traditional Biomarkers at Clinical AKI Diagnosis
Isaac E. Hall, Steven G. Coca, Mark A. Perazella, Umo U. Eko, Randy L. Luciano, Patricia R. Peter, Won K. Han, and Chirag R. Parikh

Chronic Kidney Disease

2750 Echocardiographic Parameters are Independently Associated with Rate of Renal Function Decline and Progression to Dialysis in Patients with Chronic Kidney Disease
Szu-Chia Chen, Ho-Ming Su, Chi-Chih Hung, Jer-Ming Chang, Wan-Chun Liu, Jer-Chia Tsai, Ming-Yen Lin, Shang-Jyh Hwang, and Hung-Chun Chen

2759 Prevalence and Correlates of Multiple Cardiovascular Risk Factors in Children with Chronic Kidney Disease
Amy C. Wilson, Michael F. Schneider, Christopher Cox, Larry A. Greenbaum, Jeffrey Saland, Colin T. White, Susan Furth, Bradley A. Warady, and Mark M. Mitsnefes

2766 Characterization of a Recurrent In-frame UMOD Indel Mutation Causing Late-onset Autosomal Dominant End-Stage Renal Failure
Graham D. Smith, Caroline Robinson, Andrew P. Stewart, Emily L. Edwards, Hannah I. Karet, Anthony G. W. Norden, Richard N. Sandford, and Fiona E. Karet Frankl

2775 Profiling of Autoantibodies in IgA Nephropathy, an Integrative Antibiotics Approach
Tara K. Sigdel, Sang Hoon Woo, Hong Dai, Purvesh Khatri, Li Li, Bryan Myers, Minnie M. Sarwal, and Richard A. Lafayette

2785 Inverse Relationship between the Inflammatory Marker Pentraxin-3, Fat Body Mass, and Abdominal Obesity in End-Stage Renal Disease
Tetsu Miyamoto, Abdul Rashid Qureshi, Olof Heimbürger, Peter Bárány, Karin Carrero, Bodil Sjöberg, Bengt Lindholm, Peter Stenvinkel, and Juan Jesús Carrero
Chronic Kidney Disease and Coronary Artery Vulnerable Plaques

Mitsuru Wada, Yasunori Ueda, Tomoaki Higo, Koshi Matsuo, Mayu Nishio, Akio Hirata, Mitsutoshi Asai, Takayoshi Nemoto, Toshihito Kashiwana, Ayaka Murakami, Kazunori Kashiwase, and Kazuhiro Kodama

Contaminated Cocaine and Antineutrophil Cytoplasmic Antibody-Associated Disease

Martina M. McGrath, Tamara Isakova, Helmut G. Rennke, Ann M. Mottola, Karen A. Laliberte, and John L. Niles

Validation Study of Oxford Classification of IgA Nephropathy: The Significance of Extracapillary Proliferation

Ritsuko Katafuchi, Toshiharu Ninomiya, Masaharu Nagata, Koji Mitsuiki, and Hideki Hirakata

The Anion Gap and Routine Serum Protein Measurements in Monoclonal Gammopathies


Age-Specific Associations of Reduced Estimated Glomerular Filtration Rate with Concurrent Chronic Kidney Disease Complications

C. Barrett Bowling, Lesley A. Inker, Orlando M. Gutiérrez, Richard M. Allman, David G. Warnock, William McClellan, and Paul Muntner

See related editorial on on page 2729.

Serum Free Light Chains and the Risk of ESRD and Death in CKD


Outcome Differences across Transplant Centers: Comparison of Two Methods for Public Reporting

Stefanos Zenios, Glenn Atias, Charles McCulloch, and Constantia Petrou

See related editorial on page 2732.

Low-Molecular-Weight Proteins as Prognostic Markers in Idiopathic Membranous Nephropathy

Jan A.J.G. van den Brand, Julia M. Hofstra, and Jack F.M. Wetzels

Kinetic Model of Phosphorus Mobilization during and after Short and Conventional Hemodialysis

Baris U. Agar, Alp Akonur, Ying-Cheng Lo, Alfred K. Cheung, and John K. Leypoldt

Novel Lipoprotein Subfraction and Size Measurements in Prediction of Mortality in Maintenance Hemodialysis Patients


See related editorial on page 2738.

Fibroblast Growth Factor 23, Cardiovascular Disease Risk Factors, and Phosphorus Intake in the Health Professionals Follow-up Study

Orlando M. Gutiérrez, Myles Wolf, and Eric N. Taylor

See related editorial on 2735.

Serum Erythropoietin Level and Mortality in Kidney Transplant Recipients

Miklos Z. Molnar, Adam G. Tabak, Ahsan Alam, Maria E. Czira, Anna Rudas, Akos Ujszasz, Gabriella Beko, Marta Novak, Kamyar Kalantar-Zadeh, Csaba P. Kovesdy, and Istvan Mucsi

Living Kidney Donors Ages 70 and Older: Recipient and Donor Outcomes

Jonathan C. Berger, Abimereki D. Muzaale, Nathan James, Mohammed Hoque, Jacqueline M. Garonzik Wang, Robert A. Montgomery, Allan B. Massie, Erin C. Hall, and Dorry L. Segev
Original Articles (Continued)

2894 Infectious Complications in Kidney-Transplant Recipients Desensitized with Rituximab and Intravenous Immunoglobulin
Joseph Kahwaji, Aditi Sinha, Mieko Toyoda, Shili Ge, Nancy Reinsmoen, Kai Cao, Chih-Hung Lai, Rafael Villicana, Alice Peng, Stanley Jordan, and Ashley Vo

Erratum


On the Cover
What’s the diagnosis? Lithium-induced chronic kidney disease occurs most commonly after 10–20 years of lithium therapy. Accumulation of lithium in cells of the distal nephron and early collecting duct via epithelial sodium channel is most likely responsible for the chronic nephrotoxic effects. Histologically, the injury is characterized by the presence of chronic tubulointerstitial nephritis, with interstitial fibrosis, tubular atrophy, and dilatation of distal tubules and collecting ducts that eventually leads to formation of small cysts within both, cortex and medulla. The findings are, however, somewhat non-specific and the diagnosis of lithium-induced nephropathy should be made if tubulointerstitial nephritis is found in a patient on long-term lithium therapy and other causes of renal disease have been excluded; magnetic resonance imaging can also be very helpful in establishing the diagnosis. (Image and text provided by Dr. Vanesa Bijol, Brigham and Women’s Hospital)