

CJASN

Clinical Journal of the American Society of Nephrology

December 2011 • Vol. 6 • No. 12

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 Antibiomics 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

2792 Chronic Kidney Disease and Coronary Artery Vulnerable Plaques

Mitsuru Wada, Yasunori Ueda, Tomoaki Higo, Koshi Matsuo, Mayu Nishio, Akio Hirata, Mitsutoshi Asai, Takayoshi Nemoto, Toshikazu Kashiya, Ayaka Murakami, Kazunori Kashiwase, and Kazuhisa Kodama

Clinical Nephrology

2799 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

2806 Validation Study of Oxford Classification of IgA Nephropathy: The Significance of Extracapillary Proliferation

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

2814 The Anion Gap and Routine Serum Protein Measurements in Monoclonal Gammopathies

Karen H. van Hoven, Rosy E. Joseph, William J. Gaughan, Laura McBride, Elizabeth Bilotti, Ann McNeill, Linda Schmidt, Danielle Schillen, and David S. Siegel

Epidemiology and Outcomes

2822 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 page 2729.

2829 Serum Free Light Chains and the Risk of ESRD and Death in CKD

Richard Haynes, Colin A. Hutchison, Jonathan Emberson, Tanaji Dasgupta, David C. Wheeler, John N. Townend, Martin J. Landray, and Paul Cockwell

2838 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.

2846 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

ESRD and Chronic Dialysis

2854 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

2861 Novel Lipoprotein Subfraction and Size Measurements in Prediction of Mortality in Maintenance Hemodialysis Patients

Nazanin Noori, Michael P. Caulfield, Wael A. Salameh, Richard E. Reitz, Susanne B. Nicholas, Miklos Z. Molnar, Allen R. Nissenson, Csaba P. Kovesdy, and Kamyar Kalantar-Zadeh
See related editorial on page 2738.

Mineral Metabolism/Bone Disease

2871 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.

Renal Transplantation

2879 Serum Erythropoietin Level and Mortality in Kidney Transplant Recipients

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

2887 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

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

2901 Notice of correction for Johnson *et al.*: A Randomised Study of Allopurinol on Endothelial Function and eGFR in Asymptomatic Hyperuricemic Subjects with Normal Renal Function. August 2011 (8) 1887–1894

On the Cover

Whats 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)