This Month’s Highlights

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• See related article by Ichimura et al. (pp. 1463–1471).

1440 Hemoglobin in the Kidney: Breaking with Traditional Dogma
Volker H. Haase
• See related article by Nishi et al. (pp. 1500–1508).

1442 Active Vitamin D and Survival
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1444 Tracking the Toll of Kidney Disease
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1451 Molecular Determinants of Magnesium Homeostasis: Insights from Human Disease
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Science in Renal Medicine
1459 The Aggravating Mechanisms of Aldosterone on Kidney Fibrosis
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BASIC RESEARCH
1463 ★ Glomerular Endothelial Cells Form Diaphragms during Development and Pathologic Conditions
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• See related editorial by Kriz (pp. 1439–1440).

1472 High Perfusion Pressure Accelerates Renal Injury in Salt-Sensitive Hypertension
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1483 Impaired Immune Responses and Antigen-Specific Memory CD4* T Cells in Hemodialysis Patients
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1491 Maternal Environment Interacts with Modifier Genes to Influence Progression of Nephrotic Syndrome
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1500 Hemoglobin Is Expressed by Mesangial Cells and Reduces Oxidant Stress
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• See related editorial by Haase (pp. 1440–1441).

1509 ★ Vitamin D Receptor Activators Can Protect against Vascular Calcification
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1530 Mechanism of Urinary Calcium Regulation by Urinary Magnesium and pH
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1538 ★ Apoptosis of the Thick Ascending Limb Results in Acute Kidney Injury
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1547 Characterization of the Sodium/Hydrogen Exchanger NHA2
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1564 ★ Increased Risk of CKD among Type 2 Diabetics with Nonalcoholic Fatty Liver Disease
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1584 Early Epithelial Phenotypic Changes Predict Graft Fibrosis
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1599 Ferumoxytol for Treating Iron Deficiency Anemia in CKD

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1613 ★ Association of Oral Calcitriol with Improved Survival in Nondialyzed CKD
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• See related editorial by Wolf (pp. 1442–1443).