protecting the microvasculature: a tight connection to ameliorating chronic kidney disease?

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see related article by kim et al. (pp. 2474–2483).

developmental origins of hypertension: biology meets statistics

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see related article by hemachandra et al. (pp. 2576–2581).

nephrogenic systemic fibrosis: suspected causative role of gadodiamide used for contrast-enhanced magnetic resonance imaging

peter marckmann, lone skov, kristian rossen, anders dupont, mette brimnes damholt, james goya heaf, and henrik s. thomsen

hemodialysis acutely improves hepatic cyp3a4 metabolic activity

thomas d. nolin, kofi appiah, scott a. kendrick, phuong le, ellen mcmomagle, and jonathan himmelfarb

acid-base transport by the renal proximal tubule

walter f. boron

proteinuria with and without renal glomerular podocyte effacement

raghu kalluri

regrow or repair: potential regenerative therapies for the kidney

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dietary electrolyte–driven responses in the renal wnk kinase pathway in vivo

michelle o’reilly, elaine marshall, thomas macgillivray, manish mittal, wei xue, chris j. kenyon, and roger w. brown
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2414 Akt and Mammalian Target of Rapamycin Regulate Separate Systems of Proteolysis in Renal Tubular Cells
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2424 Nephrocystin Specifically Localizes to the Transition Zone of Renal and Respiratory Cilia and Photoreceptor Connecting Cilia
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2457 Ouabain Inhibits Tubuloglomerular Feedback in Mutant Mice with Ouabain-Sensitive α1 Na,K-ATPase
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See related editorial by Norman et al. (pp. 2353–2355).

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2495 Contribution of Nonproteolytically Activated Prorenin in Glomeruli to Hypertensive Renal Damage
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