
Hypertension

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American Heart Association 2007 Presidential Address

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On the cover: Visualization of quinacrine-labeled granules (green) in the juxtaglomerular apparatus (JGA) and collecting duct (CD) in vivo. Control (A and B) and diabetic kidney (C and D). A dextran-modamine B conjugate (70-kDa) labeled the plasma or the concentrated CD lumen (C) red. A, Quinacrine identified JGA renin granules in the terminal afferent arteriole (AA). The efferent arteriole (EA) is seen leaving the glomerulus (G), opposite the AA. Note the absence (B) or abundance (C) of quinacrine staining in the bulging apical aspects of CD principal cells in control or diabetes, respectively. D, Arrows also show quinacrine-stained granules at basolateral poles of the cells, close to peritubular capillaries (PTC). Bars=15 μm (B), 20 μm (A, C, and D). (See page 1599.)

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