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COVER

Photomicrograph of formaldehyde-induced catecholamine fluorescence of canine renal arcuate artery in cross section (about × 350). The punctate fluorescence in the periadventitia is derived from predominantly norepinephrine-containing neuronal elements, while the elastic layer of the artery as well as the renal tubules exhibit autofluorescence. In contrast, the catecholamine fluorescence associated with the glomerular vascular poles is shown to be primarily derived from dopamine. See page 497. [Robert J. Dinerstein, University of Chicago, Chicago, Illinois]