A 53-year-old man presented with episodes of orthostatic diplopia and gait and bilateral limb ataxia. Examination showed gait ataxia. MRI (figure) revealed bilateral watershed infarctions between medial and lateral branches of the superior cerebellar arteries (SCA), with a preocclusive left vertebral artery stenosis.\(^1\,2\) In bilateral vertebral artery occlusion/stenosis or unilateral vertebral hypoplasia associated with contralateral occlusion/stenosis, reversed flow from the posterior communicating arteries may provide perfusion of the basilar artery and its branches. In our patient, the internal SCA territory seemed to be the watershed area between the vertebral arteries and the superiorly located collateral arterial system (i.e., the posterior communicating arteries).

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Teaching NeuroImages: Bilateral internal superior cerebellar artery watershed infarction
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