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Figure. (A) T2-weighted image (repetition time 4000, echo time 95) shows pontine edema. (B) T2-weighted image 2 weeks later (repetition time 3657, echo time 96) shows almost complete resolution of the abnormal findings.

Reversible pontine edema in hypertension

Cornelia Drees, MD, Luay Alkotob, MD, Philip M. Hall, MD, Derk Krieger, MD, Cleveland, OH

A 28-year-old right-handed man presented with blurry vision and diplopia. He had a blood pressure of 242/182 mm Hg, papilledema, and bilateral VIth nerve palsies. Laboratory values indicated acute renal failure. MRI of the brain showed selective pontine edema (figure, A). A repeat MRI showed almost complete resolution (figure, B).

We suspect that this is a case of reversible posterior leukoencephalopathy.¹ However, the outstanding feature is the isolated involvement of the pons, which is probably due to less abundant sympathetic innervation in parts of the posterior circulation making it more susceptible to vasogenic edema.²

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