A 43-year-old woman experienced a worsening of her usual headache. As a right hemifacial hypoesthesia had appeared, the patient underwent a brain MRI that revealed a giant cavernoma localized at the left meso-diencephalic region (figure, A and B). After the operation, an involuntary ocular oscillation known as “see-saw nystagmus” developed (video on the Neurology® Web site at www.neurology.org). See-saw nystagmus consists of alternating phases of intorsion of the elevating eye and extorsion of the descending eye.1 The patient displayed a right head tilt with left hypertropia referred to as “ocular tilt reaction” (figure, C)—a phenomenon related to the imbalance in the graviceptive pathways between vestibular nuclei and the interstitial nucleus of Cajal (figure, D).2

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From the Department of Neurological Sciences (R.B.), Ospedale “G. Salvini,” Garbagnate Milanese; the Oto-neurology Service (R.B.), Fondazione IRCCS Istituto Neurologico Cado Besta, Milan; and the Neuro-ophthalmology Service (S.B.M.), Fondazione IRCCS Istituto Auxologico Italiano, Milan, Italy.
Teaching Video NeuroImages: See-saw nystagmus
Roberto Bassani and Stefania Bianchi Marzoli

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