Online Resource 1

Case 1

Posterior inferior cerebellar artery stroke. A 52-year-old woman came to our hospital due to 5 days of vertigo and had spontaneous rightward nystagmus and right hemibody hypesthesia. A leftward gaze deviation (a; 49° and 51° deviations in the right and left eyes, respectively) was noted on computed tomography without other abnormalities. Diffusion-weighted magnetic resonance imaging revealed acute infarctions in the left posterior inferior cerebellar arterial territory (b). At the upper right corner of panel a, a cutoff angle of 14° is presented as a reference for visual determination.
Cardioaortic embolism of the middle cerebral artery. A 78-year-old woman was brought to our hospital due to right hemiplegia lasting for 2 hours. She had atrial fibrillation on electrocardiogram and a previous history of cataract surgery in both eyes. Head computed tomography revealed a leftward gaze deviation (a; 39° and 20° deviations in the right and left eyes, respectively) and a mild hypodensity in the left lenticular nucleus (b, arrow). The lesion was more evident on the diffusion-weighted magnetic resonance imaging (c, arrow), extending to the corona radiata (d). At the upper right corner of panel a, a
cutoff angle of 14° is presented as a reference for visual determination