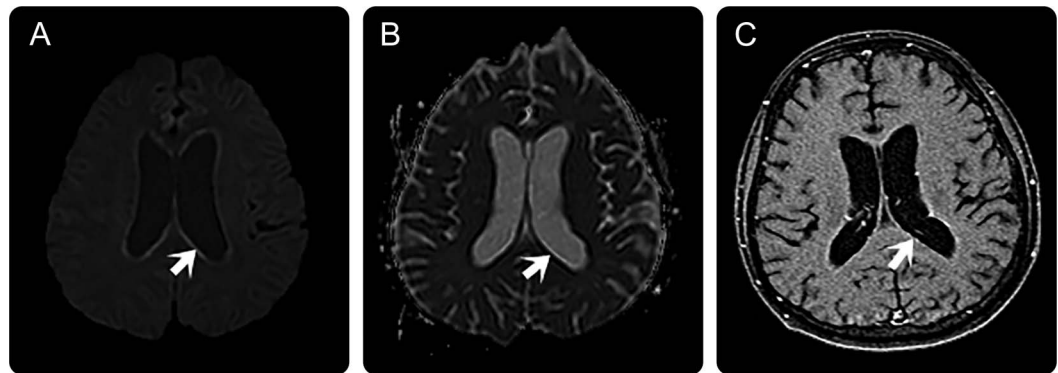


Teaching NeuroImages: Periventricular restricted diffusion MRI in CMV ventriculitis

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Figure Cranial MRI scan



Diffusion-weighted MRI shows high signal intensity (A) with corresponding low apparent diffusion coefficient values (B) and subtle contrast enhancement (C) along both lateral ventricular walls.

A 43-year-old man with diffuse large B-cell lymphoma who underwent chemotherapy for 5 months presented subacutely with decreased level of consciousness. No remarkable finding on neurologic examination was observed except drowsy mental status. Brain MRI revealed periventricular linear diffusion restriction and subtle contrast enhancement along both lateral ventricular walls, which is a characteristic feature of cytomegalovirus (CMV) ventriculitis¹ (figure). CSF PCR was positive for CMV. Treatment with ganciclovir and foscarnet² led to gradual improvement of conscious level for 6 weeks.

AUTHOR CONTRIBUTIONS

Study concept and design: H.J. Kim, J.-W. Hyun. Acquisition of data: H.J. Kim, J.-W. Hyun, S.-H. Kim, I.H. Jeong, H.-S. Eom. Critical revision of the manuscript for important intellectual content: H.J.

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