

Name of Journal: *World Journal of Clinical Cases*

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Manuscript Type: CASE REPORT

**Association between scrub typhus encephalitis and diffusion tensor tractography
detection of Papez circuit injury: A case report**

Papez circuit injury with cognitive impairment following scrub typhus encephalitis

Abstract

BACKGROUND

It is difficult to restore the cognitive functions of patients with impaired cognition caused by brain injury. Diffusion tensor imaging can visualize the integrity of neural tracts in the white matter (WM) three-dimensionally. It is unclear whether encephalitis following scrub typhus damages the WM. For the first time, we aimed to report diffusion tensor tractography (DTT) findings in a chronic patient with cognitive impairment following scrub typhus encephalitis, which revealed injury to the Papez

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