

**ABSTRACT:**

**INTRODUCTION;** Acute disseminated encephalomyelitis (ADEM) is a monophasic, acute demyelinating disorder of the central nervous system. (1) It is characterized by multifocal white matter lesions in the CNS, which develop due to transient autoimmune response directed against myelin or other self-antigens. (2)

ADEM is exceptionally rare following a dengue virus infection. (3)

**CASE PRESENTATION;** A 19-year-old schoolboy presented with a deteriorating level of consciousness, headache and weakness of the right side of body for three days in the background of mild fever for ten days.

The diagnosis of ADEM was made and antibody profile indicated the recent dengue fever. He had a dramatic response to the treatment, and completely recovered from the neurological deficit.

**CONCLUSION;** ADEM should be considered in a patient who presents with acute neurological deficit following fever. Detailed investigation of fever sometimes helps to identify the causative agent of ADEM.