

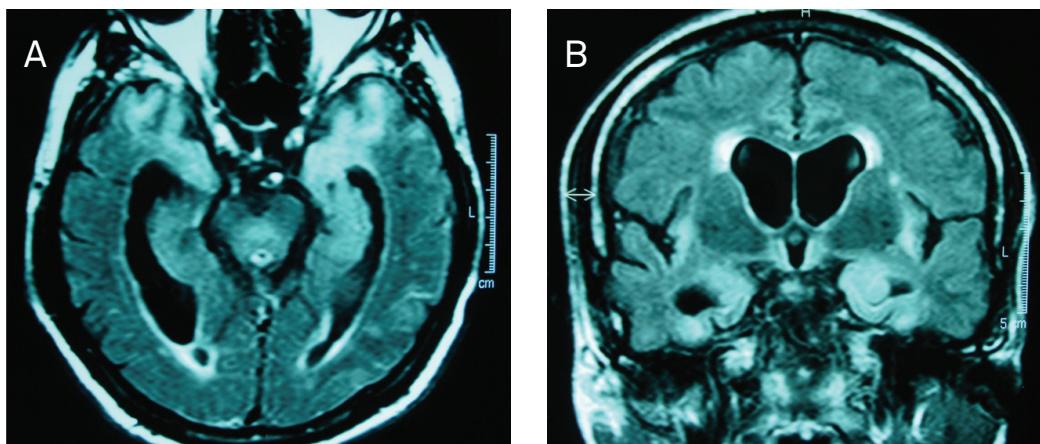
# A male patient with delirium, seizures and (limbic) encephalitis with bilateral mesial temporal lobe involvement

Um paciente do gênero masculino com delirium e crises convulsivas por encefalite límbica, com comprometimento bilateral dos lobos temporais mesiais

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A 52-year-old male presented with a fortnight history of delirium and partial motor seizures. He had no fever or other systemic or neurological signs, but he showed a mini-mental state examination (MMSE) score of 8/30. Fluid-attenuated inversion recovery (FLAIR) magnetic resonance images (MRI) of the head revealed hyperintense signals in both temporal lobes (Figure). Serologies for herpes simplex virus, varicella zoster virus, toxoplasma, cytomegalovirus, Epstein-barr virus,

and HIV were negative, but fluorescent treponemal antibody-absorption (FTA-Abs) and venereal disease research laboratory (VDRL) (1:32) were reactive. Cerebrospinal fluid (CSF) examination revealed 10 leukocytes/mm<sup>3</sup> (95% lymphocytes), 77 mg/dL protein, 75 mg/dL glucose, and VDRL 1:2. Mesial temporal lesions are commonly associated with herpetic encephalitis<sup>1</sup> or autoimmune paraneoplastic limbic encephalitis<sup>2</sup>. However, neurosyphilis must also be considered.



**Figure.** Fluid-attenuated inversion recovery (FLAIR) axial (A) and coronal (B) magnetic resonance images showing bilateral medial temporal high-signal lesions with associated asymmetric enlargement of the temporal horns of the lateral ventricles. The enlargement is more marked on the right side.

## References

1. Tien RD, Felsberg GJ, Osumi AK. Herpes virus infections of the CNS: MR findings. AJR Am J Roentgenol 1993;161:167-176.
2. Gultekin SH, Rosenfeld MR, Voltz R, Eichen J, Posner JB, Dalmau J. Paraneoplastic limbic encephalitis: neurological symptoms, immunological findings and tumour association in 50 patients. Brain 2000;123:1481-1494.

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