



"Parenthesis sign" in Eastern equine encephalitis

"Sinal de parênteses" na encefalite equina do leste

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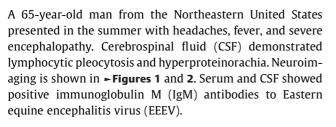
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EEEV is a mosquito-borne alphavirus. Although rare, it can cause severe arboviral encephalitis, with mortality >33%.¹ Magnetic resonance imaging features such as the "parenthesis sign" (**-Figure 1**) can help distinguish between Eastern equine encephalitis and other encephalitides.² Although most publications on EEEV originate from North America, EEEV and other related alphaviruses also circulate in the Caribbean, Central America, and South America.^{3–5}

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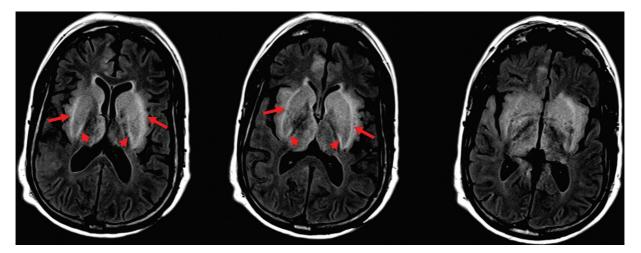


Figure 1 T2/fluid-attenuated inversion recovery (FLAIR) axial MRI shows bilateral, relatively symmetric hyperintensities within the basal ganglia, insulae, subcortical white matter, and thalami, as well as in the inferior right frontal lobe. Marked linear hyperintensities are present in the external capsules (arrows), and parts of the internal capsules (arrowheads) bilaterally. This finding, known as the "parenthesis sign", may help differentiate between Eastern equine encephalitis and other encephalitides.

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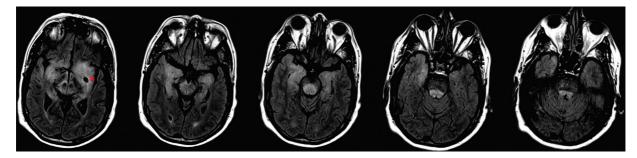


Figure 2 T2/FLAIR hyperintensities extend into the mesial temporal lobes, midbrain, periaqueductal gray, and dorsal pons. Additionally, a dilated perivascular space is noted (asterisk).

Authors' Contributions

MBS: case concept and design, literature review, manuscript writing; ACA: interpretation of data, manuscript revision for intellectual content; MV: case concept and design, acquisition of data, figure editing, manuscript revision for intellectual content.

Conflict of Interest

The authors have no conflict of interests to declare.

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