Isolated left vein of Labbe thrombosis

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A 23-year-old man developed sudden onset of fever and headache. He was alert but had slight difficulty with naming and had agraphia and acalculia. The provisional diagnosis was viral encephalitis. MRI showed a left posterior temporal hemorrhagic infarct with thrombosis of left vein of Labbe (figure 1). This was confirmed by MR venography (figure 1, D, E) and digital subtraction angiography (figure 2). Isolated thrombosis of the vein of Labbe has been rarely reported. The left Labbe vein has been most often involved. The vein of Labbe drains the lateral temporal lobe and empties into the transverse sinus. Thrombosis can cause temporal lobe hemorrhagic infarction, hemorrhage, or edema.

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