

52nd ANNUAL DIAGNOSTIC SLIDE SESSION 2011

CASE 2011-4

Submitted by:

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Clinical History:

The patient was a 13 year-old male with history of complex partial seizures since age 6 years. He was initially managed on Trileptal, with Keppra added a year later and was on Lamictal at the time of presentation. Past medical history includes diagnosis of neurofibromatosis 1 at age 18 months due to the presence of café-au-lait skin lesions and neurofibromas.

Imaging studies included a PET scan that showed a focus of hypometabolism in the right frontal lobe. MRI revealed a stable, cortical lesion in the right anterior frontal convexity with multifocal punctate enhancement, small cystic foci, and no perilesional edema. The lesion was hyperintense on the T2-weighted image.

Material submitted: Two H&E sections of cortical lesion

Points for discussion: 1. Diagnosis
2. Pathogenesis