Submitted by: Tracie N. Pham, M.D.
(TNPham@ucla.mednet.edu), William H. Yong, M.D.,
Gary W. Mather, M.D., and Harry V. Vinters, M.D.
UCLA Medical Center.

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 in 2005 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