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CASE 2002 [#11]

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Clinical History: This 43-year old man underwent open craniotomy for resection of an enhancing left frontal lobe mass. His past medical history was significant for cerebral palsy and radiographic evidence of periventricular leukomalacia. He had developed generalized tonic-clonic seizures two years earlier and magnetic resonance imaging (MRI) obtained the following year revealed a region of cortical thickening in the left frontal operculum, associated with a 1.0-cm focus of faintly enhancing signal abnormality with adjacent bright T2-weighted signal in the white matter. The radiographic differential diagnosis included cortical dysplasia, heterotopia, and diffuse glioma. The following year, the degree of enhancement increased, prompting surgical intervention. He was subsequently treated with radiation therapy, receiving 6000 cGy over 30 fractions. The residual 1.4 x 1.2 cm. region of enhancement remained stable for 3 years until a followup scan demonstrating growth of this component. Otherwise, the patient's seizures have remained well controlled with tegretol and no new neurologic deficits have been noted.

Material submitted: An H&E section from the original biopsy and an unstained

section Points for discussion:
1. Diagnosis
2. Histogenesis
3. Prognosis