Corpus callosum lipoma

A 24-year-old man was referred for uncontrolled generalized tonic-clonic seizures since childhood. Physical examination was unremarkable. Brain MRI revealed a large corpus callosum lipoma (CCL) and severe dysgenesis of the corpus callosum (figure). CCLs are not true neoplasms but congenital abnormalities, often found incidentally on imaging. A total of 50% of patients with CCL have epilepsy; however, epilepsy is attributable to the CCL in only 20%. Surgical resection does not offer better seizure control and is associated with high perioperative mortality. With titration of oxcarbazepine and topiramate, this patient’s seizure frequency has decreased to 2 per year.

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