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Research Title : *Unusual Association of Intractable Temporal Lobe Seizures and Intracranial Aneurysms in an Adolescen*

Unusual Association of Intractable Temporal Lobe Seizures and Intracranial Aneurysms in an Adolescen

Descriptipn : Intracranial aneurysms in the pediatric age group are rare occurrences. They usually present with subarachnoid hemorrhage or mass effect. Their association with epilepsy has rarely been reported; such concurrence may not be a coincidence. We present a 16-year-old girl with a 5-year history of medically intractable complex partial seizures. Preoperative electrophysiological and neuroimaging studies demonstrated an epileptogenic focus and atrophy in the right mesial temporal lobe, and ipsilateral incidental aneurysm at the carotid artery bifurcation. The patient underwent a complete right anterior temporal lobectomy, followed by clipping of the aneurysm. We concluded that the epilepsy management in association with cerebral aneurysms is controversial, but when surgery is indicated, clipping of the aneurysm and resection of the epileptogenic focus may provide the optimal outcome. The relevant literature is reviewed and the possible mechanisms of production of epilepsy by intracranial aneurysms are discussed

Research Type : Article

Added Date : Sunday, March 23, 2008

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Attatchments :

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Aneurysm and Epilepsy.pdf	pdf	مشاهدة المقالة العلمية كاملة