

عنوان مقاله:

THE FIRST SEIZURE CAUSED BY RUPTURED DERMOID CYST A CASE REPORT

محل انتشار:

چهاردهمین کنگره سالانه طب اورژانس ایران (سال: 1398)

تعداد صفحات اصل مقاله: 2

نویسندگان:

Elnaz Vafadar moradi - *Department of Emergency Medicine, Faculty of Medicine, Mashhad University of Medical sciences, Mashhad, Iran*

Sayyed Majid Sadrzadeh - *Department of Emergency Medicine, Faculty of Medicine, Mashhad University of Medical sciences, Mashhad, Iran*

Behrang Rezvani - *Department of Emergency Medicine, Faculty of Medicine, Mashhad University of Medical sciences, Mashhad, Iran*

خلاصه مقاله:

Background and Aim : A first seizure is an unpleasant experience, underlying cause and probability of recurrence is important for the patient (1,2). Usually 30% adult patient with first seizure has some abnormal finding on brain computed tomography (2). Dermoid cyst is rare intracranial lesions, and if they are ruptured, causes various symptoms (3). These cysts may be seen in any anatomical regions of the brain and due to their regions, causes different symptoms such as headache, seizure or hemiplegia. (4, 5) CT scanning and MRI are the best methods for diagnosis of these patients (6). Methods : A 72 years old female was brought to our emergency department with complaint of first seizure. Her daughter said she had a tonic clonic generalized seizure that lasts about 10 seconds. She was complaint of headache at the time of arrival in the ED and seizure was stopped. Physical examination was normal and she has no past medical history. Spiral axial brain CT scanning demonstrated a round and sharp lesion with peripheral calcification near pineal gland which compress third ventricle. Multiple nodules with fat density were seen in subarachnoid space. Phenytoin was started for seizure prophylaxis and neurosurgery consultation was requested. Results : This is a case report of a first seizure caused by ruptured dermoid cyst. American college of emergency physician recommended that patients with some risk factor like age over 40 should undergo neuroimaging in ED with first seizure (2). Our patient had a round and sharp lesion on CT scanning and after brain MRI was done, the findings suggest that there was a ruptured dermoid cyst. These cysts are most seen near subarachnoid space and midline of skull base, like our patient (6). Radiological findings include hypo dense lesion on CT scanning and hyper intensity on T1-weighted MRI (6, 7, 8, and 9). Because most of these tumors are seen in young people, surgical removal of the tumor is often performed (6, 10). Conclusion : This is a rare case of ruptured dermoid cyst near pineal gland which compress third ventricle and cause midline shift. Complete cyst resection is preferred treatment.

کلمات کلیدی:

Seizure, Dermoid cyst, ruptured

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/987874>

