

Transient global amnesia as an unusual presentation of status epilepticus: Case report

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ABSTRACT

We present the case of a 71-year-old female patient with symptoms consistent with transient global amnesia secondary to nonconvulsive status epilepticus. She had experienced recurrent episodes over the previous two years. The article describes her clinical progression, relevant considerations for her management, and a brief review of the literature related to transient epileptic amnesia.

Keywords: amnesia, epilepsy, status epilepticus, transient global amnesia, emergency department

Amnesia global transitoria como presentación inusual de un estado epiléptico: informe de caso RESUMEN

Se presenta el caso de una paciente de 71 años con un cuadro compatible con amnesia global transitoria secundaria a un estado epiléptico no convulsivo. Había presentado episodios recurrentes durante los últimos dos años. En el artículo se describe la evolución clínica, las consideraciones relevantes para su tratamiento y una revisión breve de la literatura relacionada con la amnesia epiléptica transitoria.

Palabras clave: amnesia, epilepsia, estado epiléptico, amnesia global transitoria, sala de urgencias.

INTRODUCTION

The epileptic status is a neurological emergency, whose early recognition impacts mortality and long-term disability¹. Since status epilepticus is considered a medical emergency, its management is recommended to be divided into two key time points. Time 1 corresponds to epileptic activity that does not stop within a defined period: 5 minutes for bilateral tonic-clonic status epilepticus and 10 minutes for focal status epilepticus, with or without impaired consciousness, or for absence seizures. Time 2, on the other hand, refers to the moment when epileptic activity may cause long-term sequelae, defined as 30 minutes for generalized tonic-clonic status epilepticus and one hour for focal status epilepticus, with or without

impaired consciousness². It can also be classified as status epilepticus with motor phenomena or without motor phenomena; the latter is further subclassified according to whether or not consciousness is impaired². The following is an atypical presentation of non-motor status epilepticus without impaired consciousness, manifested as transient global amnesia (TGA).

CASE PRESENTATION

A 71-year-old female patient was admitted to the Emergency Department with arterial hypertension as her only past medical history. She was admitted because that same morning, she awoke with anterograde and retrograde amnesia accompanied by episodes

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including a total of 115 cases of transient epileptic amnesia, which combined several cohorts described since 1988. In that registry, they reported an average attack frequency of one per month, with a mean duration between 15 and 30 minutes, most commonly occurring upon awakening⁸. The authors concluded that transient epileptic amnesia is a clinical syndrome of unknown etiology and late onset. It is also an important and treatable cause of memory loss in older adults and is often misdiagnosed as dementia, cerebrovascular disease, and/or functional amnesia.

CONCLUSION

Our case report meets the diagnostic criteria described in the literature for the syndrome known as *transient epileptic amnesia*, which has an unknown incidence due to the limited number of cases recorded in major international databases. In our particular case, the patient was in a state of status epilepticus, considered an unusual manifestation of this condition. It is clear that such a presentation may be mistaken for dementia, functional amnesia, and/or cerebrovascular disease, with the key distinguishing feature being that –after treatment with anticonvulsant therapy– there is an almost complete resolution of symptoms.

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