

Grand-mal epilepsy with osteoporotic spinal column fracture – An uncommon first manifestation of celiac disease

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Abstract:

We report the case of a 22-year old female with the uncommon first manifestation of celiac disease with epilepsy include spinal column fracture. Epilepsy was diagnosed at the age of fifteen. Before admission epilepsy increased and relapsed at two times between four months.

During the last five decades the prevalence of celiac disease also known as gluten-sensitive enteropathy or celiac sprue increased from one of every 8000-4000 to one of every 400-100. Greater awareness of silent, mono- or oligosymptomatic presentations and the availability and improvement of accurate serologic tests between the last two decades have led to this realization. Many extraintestinal manifestations occur in association with celiac sprue. The knowledge of other recognized extraintestinal manifestations like psychiatric or neurological syndromes as epilepsy is rare evaluated. A few studies described that epilepsy or neurological symptoms improved or disappeared after a dietary treatment. This case report a follow-up over 12 month with a gluten-free diet, epilepsy disappeared without anticonvulsive treatment. In future patients with neurologic symptoms like epilepsy should evaluated of highly sensitive and specific serologic markers. In addition to that, studies could be evaluate the effect of dietary of its own and in combination with anticonvulsive treatment.