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Short Communication

A case of Cerebellar Ataxia with isoleted vitamin E deficiency in Emergency departement.

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ABSTRACT:
We report the case of a 27 -year-old patient who consults for cerebellar ataxia with isolated vitamin E deficiency (AVED).itis a rare autosomal recessive condition that is caused by a mutation in the alpha tocopherol transfer protein gene**[1]**. Cerebellar ataxia represents an important neurological presentation in the emergency. the examination finds a cerebellar ataxia, pyramidalspasticity, and evidence of a neuropathy with absent deep tendon reflexes **[2].** Diagnosis is based on physical examination, on vitamin E plasma dosage and on exclusion of known causes of malabsorption. Laboratory findings reveal a very marked deficiency of vitamin E in plasma. Neuro imaging show an obvious cerebellar atrophy**[2].** us the case we describe .the patient had clumsiness in walking . He was ataxic with impaired tandem walking. Laboratory investigations revealed, serum vitamin E of 6.89 mg/l (normal: 8.9-18.3mg/l), Computed Tomography of the head showed cerebellar vermianatrophy. High doses of vitamin E supplementation (800 mg daily) have been shown to reverse the neurological signs of AVED **[3].**

Keywords : cerebellar ataxia, vitamin E, deficiency, atrophy.

Image inclinical medicine :

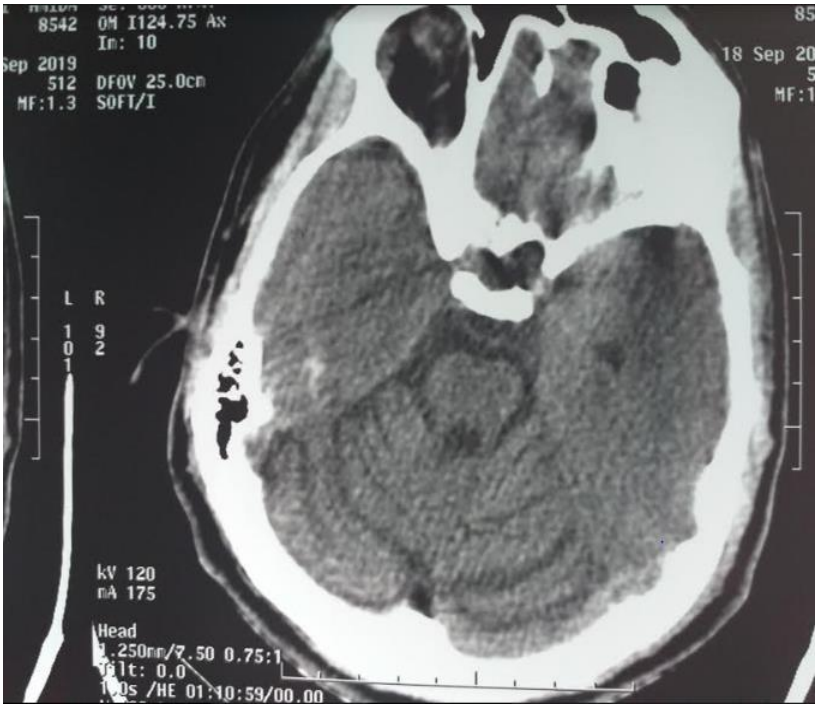

Figure 1: Head computed Tomography showing cerebellar vermianatrophy.

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