

## **Long-term observation of a patient with rotary subluxation of the first cervical vertebra. A case report**

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**A**-Conception and study design; **B** - Collection of data; **C** - Data analysis; **D** - Writing the paper; **E**-Review article; **F** - Approval of the final version of the article; **G** - Other (please specify)

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### **ABSTRACT**

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Instability is defined as a loss of stiffness in a moving segment such that applying a force to that segment causes a greater displacement than a normal structure. Instability is often accompanied by pain, possible damage to neurological structures, and progression of the deformity. Symptoms resulting from cervical instability mainly affect young, middle-aged, and women. Assessing the instability of the cervical spine is often problematic. CT (computed tomography) and MR (magnetic resonance) examinations should be performed to

diagnose patients with peak-rotational instability. There are several recommendations in the literature for treating patients with cervical instability; however, there are still no common guidelines. The aim of the paper is to present the case of a 17-year-old girl with rotational subluxation of the first cervical vertebra.

**Keywords:** Atlantoaxial instability, atlantoaxial rotatory subluxation, neck symptom, C1-C2 instability

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DOI: 10.5604/01.3001.0016.1759