To the Editor,

Cerebral sinovenous thrombosis is rare in children [1]. Most common signs and symptoms are seizure, lethargy, and headache [1,2,3]. We herein report a case diagnosed as cerebral sinovenous thrombosis mimicking an intracranial mass and presenting with increased intracranial pressure symptoms in an adolescent girl.

A 16-year-old girl was admitted to our emergency service with complaints of headache, vomiting, and confusion. Her past medical history was unremarkable. Physical examination revealed facial paralysis and motor weakness on the left side. Magnetic resonance (MR) imaging disclosed a mass (65x42x55 mm) in the right temporal lobe shifting the midline structure from right to left (Figure 1). Because of herniation findings, surgery was performed immediately. Histopathologic investigation showed

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**Cerebral Sinovenous Thrombosis Mimicking Intracranial Mass**

İintrakranial Kitleyi Taklit Eden Serebral Sinovenöz Tromboz

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**References**

thrombosis associated with iron deficiency, two cases with normal platelet count have also been described [7]. As not all cases of iron-related thrombotic events occur in patients with concomitant high platelet counts, other pathogenic mechanisms have been proposed. One of these explanations is that iron deficiency may contribute to a hypercoagulable state by affecting blood flow patterns within the vessels because of reduced deformability and increased viscosity of microcytic red blood cells. Furthermore, anemic hypoxia secondary to iron deficiency has been suggested to precipitate situations of increased metabolic stress, in particularly in vulnerable areas of the brain supplied by end arteries [8]. In our patient, iron deficiency may also have contributed to the development of thrombosis.

In conclusion, cerebral sinovenous thrombosis associated with increased intracranial pressure symptoms may mimic intracranial masses in children.

Keywords: Intracranial mass, Cerebral sinovenous thrombosis, Increased intracranial pressure

Anahtar Sözcükler: Intrakranial kitle, Serebral sinovenöz tromboz, Artmış intrakranial basınç

References