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[Severe rhabdomyolysis and intracranial hemorrhage associated with synthetic cannabinoid: a case report].

[Article in Japanese]

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Abstract

A 28-year-old male presented with language and behavior disorders a few days prior to examination. Magnetic resonance images and cerebral angiography revealed an arteriovenous malformation (AVM) in the right frontal lobe. The size of the nidus was 2.0 cm, and it was fed by the middle cerebral arteries and drained by the superior sagittal and transverse sinuses. The AVM was completely surgically resected without any complications. Ten months after the surgery, the patient presented with behavior disorders again and general convulsion. Computed tomography showed a small intracranial hemorrhage at the right frontal lobe, where the AVM was located. Blood examination revealed severe rhabdomyolysis (CK:536,620U/L) and acute kidney injury (Cr:5.20mg/dL). After admission, it became clear that the patient had used synthetic cannabinoid (SC). SC refers to a variety of herbal/chemical mixtures, which mimic the effects of marijuana. Little data is available on the psychopathological and physical effects of SC. This is the first report of severe rhabdomyolysis and intracranial hemorrhage associated with SC use in Japan.

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