Cervicocephalic Arterial Dissection

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Abstract

Cervicocephalic arterial dissection is not a common disease (2.5 % of total brain infarction) and its pathogenesis is still not fully understood. However, it seems that it is multifactorial And rarely seen in the postpartum period.

A 40-year-old female patient who referred to emergency department because she experienced right lower limb Paresis 10 days following the delivery and her Paresis was progressed within 72 hours. She has no history of DM , HTN, preeclampsia and underlying cerebrovascular disease

On evaluations, Brain MRI revealed multiple infarction in the left MCA territory . ECG, TTE, coagulation and rheumatologic tests were normal. Left extracranial carotid artery dissection was found in the cervical MRA.

The likelihood of postpartum dissection is rare, But it could be due to vascular damage associated with the Valsalva maneuver during labor; hemodynamic and hormonal changes due to pregnancy are also involved.

Key words: postpartum period, Cervicocephalic arterial dissection, ischemic stroke