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The formation during lifetime of arterio-venous shunt in developmental venous anomaly that caused intracerebral hemorrhage

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Title: **The formation during lifetime of arterio-venous shunt in developmental venous anomaly that caused intracerebral hemorrhage**

Article Type: Case Report

Keywords: Developmental venous anomaly, venous angioma, arterialized developmental venous anomaly, DVA with arteriovenous shunting, vascular anomalies

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Abstract: **BACKGROUND:**

Developmental venous anomaly (DVA) or venous angioma is a common anomaly of cerebral veins that is found incidentally in the majority of cases.

There are few cases of arteriovenous shunting in DVA associated with a more malignant course of the disease. Whether these DVAs with shunts are of congenital pathology or lifetime formations is unclear.

CASE DESCRIPTION:

We report a case of lifetime arteriovenous shunt formation in DVA that caused intracerebral hemorrhage in a child. The patient underwent two sequential direct surgeries: an emergency evacuation of the intracerebral hematoma and a scheduled excision of the DVA with arteriovenous shunting.

CONCLUSIONS:

Arteriovenous shunting in DVA may develop during a lifetime and cause intracerebral hemorrhages. This case showed that localization of DVA with arteriovenous shunting in a noneloquent area enables its complete microsurgical its complete microsurgical excision with favorable functional outcomes.

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