

Endovascular Treatment for Pseudoaneurysm of Vertebral artery following a Stab wound.

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Purpose:

To demonstrate clinical symptoms and endovascular treatment options for vertebral artery injury.

Methods:

A stab wound to the vertebral artery is a potentially life-threatening injury. The vertebral arteries are major blood vessels that supply the brainstem and the cerebellum. Vertebral artery injury can lead to significant bleeding, reduced blood flow to the brain, and potentially result in a stroke or other serious neurological complications.

Results:

We presented a 23-year-old man with active bleeding from neck. He also developed alteration of consciousness and loss of brain stem reflex. The patient suffered from pseudoaneurysm of left vertebral artery and basilar artery occlusion. Mechanical thrombectomy of basilar artery and left vertebral artery sacrifice were performed. Outcome and improvement after treatment were excellent.

Conclusions:

Endovascular treatment for vertebral artery injuries is feasible, minimally invasive, and safe.

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