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Case report of hemorrhagic intramedullary hemangioblastoma in the cervical spinal cord and literature review

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Statement of the Problem: Hemangioblastoma of the spinal cord is uncommon vascular tumor and hemorrhage caused by spinal cord hemangioblastoma is usually presenting as a subarachnoid hemorrhage. Intramedullary hemorrhage is an extremely rare manifestation and patients commonly express with acute neurologic deficit. This study presents the pathophysiologic mechanisms, clinical features, imaging findings, and treatment modalities of the spinal cord hemangioblastoma. Clinically relevant spinal vascular anatomy is reviewed in detail.

Methodology & Theoretical Orientation: We described the patient clinical manifestation, spinal cord magnetic resonance imaging (MRI), therapeutic and prognostic characters. Findings: A 22 years old female came to the department of neurology complaining of sudden-onset dense quadriparesis. The patient did not have any clinical findings of von-Hippel Lindau disease. Spinal cord MRI revealed C4 to T3 intramedullary hemorrhage caused by intramedullary tumor. The tumor was completely removed. Pathological findings revealed a typical hemangioblastoma. The patient was treated with rehabilitation in hospital for two months. She walked by relative's assistance after follow-up 10 months.

Conclusion: Isolated intramedullary hemangioblastoma of the spinal cord is a rare tumor and may be a cause of intramedullary hemorrhage. Isolated or sporadic occurrences of hemangioblastomas will be benefit from surgery. Physical therapy is effective for improving neurological deficits.

Biography

Yuhong Man has her expertise in headache, cerebral disease and sleep disorder. She researches in the basic and clinical of the acute and chronic headache, such as migraine and tension type headache. She also has 14 years experience in neurology about cerebral disease and sleep disorder, teaching and administration both in hospital and education institutions in Jilin University.

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