

A Case Report of C₁ Ventral Root Schwannoma Manifesting as Foramen Magnum Syndrome

Yousefzadeh Chabok Sh (MD)¹- Dalili A.(MD)¹- Ebrahimi Sh. (MD)¹- Safai M. (MD)¹- Enshaei M. (MD)¹
* **Corresponding Author:** Trauma Research Center, Poorsina Hospital, Namjoo St, Rasht, IRAN

E- mail: falahatkar_s@yahoo.com

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Abstract

Introduction: Schwannoma is a nerve sheath tumor originates from Schwann cells, with slow growth and usually benign. Spinal schwannomas almost arises from dorsal (sensory) root. C1 ventral root schwannomas which limited to the anterior part of medullospinal junction is extremely rare. These tumors may extend to foramen magnum and manifest as foramen magnum syndrome.

Case History: This report is presented a 60-years old female with cervical and occipital pain, spastic quadriparesis and dissociative sensory loss. Cervical MRI demonstrated an extramedullary intradural tumor in anterior part of foramen magnum.C₁₋₂ Posterior midline suboccipital laminectomy with spinal cord decompression was performed. After surgery, her symptoms improved. Histopathological evaluation revealed schwannoma.

Symptoms of foramen magnum syndrome are various and

Conclusion: Nonspecific, so diagnosis requires a high suspicious in early stages, when tumor resection may lead to significant improvement of the patients.

Key words: Schwannoma/ Ventral Root / Foramen Magnum/ Suboccipital Craniectomy