

Cerebellopontine angle pilocytic astrocytoma

A rare case of a 55-yr old patient of [pilocytic astrocytoma](#) of the [cerebellopontine angle](#) mimicking a [vestibular schwannoma](#). The tumor protruded into the [porus acusticus](#) causing enlargement of the [internal auditory meatus](#), which is quite an unusual feature of [glial tumor](#) ¹⁾.

Schneider et al. report a pilocytic astrocytoma of the cerebellopontine angle in a child presenting with [auditory neuropathy spectrum disorder](#) ²⁾.

Mirone et al. describe a rare case of pediatric [pilocytic astrocytoma](#) presented as a right [cerebellopontine angle](#) (CPA) mass, completely separated from the [brainstem](#) and arising from the proximal [VIII cranial nerve](#) portion.

A 12-year-old boy, with no evidence of [neurofibromatosis type 2](#), presented with progressive [hearing loss](#) at the right ear and [headache](#). An initial enhanced magnetic resonance examination suggested the diagnosis of [schwannoma](#). The tumor was resected by a [suboccipital retrosigmoid approach](#).

The case seems to be the first report of a primary pediatric CPA pilocytic astrocytoma arising from the VIII nerve complex and presenting [internal auditory canal](#) enlargement. It represents the third reported case of a primary CPA pilocytic astrocytoma (the second pediatric case with the first arising from V nerve) and the eighth report of primary CPA glioma, overall ³⁾.

A case of pilocytic astrocytoma of the cerebellum mimicking an acoustic schwannoma. The tumour protruded into the porus acusticus and enlarged the internal auditory meatus, which is a quite unusual characteristic of glial tumours ⁴⁾.

1)

Dutta G, Singh D, Singh H, Sachdeva D, Kumar V, Chaturvedi A. Pilocytic astrocytoma of the cerebellopontine angle mimicking vestibular schwannoma: report of a rare entity. Br J Neurosurg. 2017 Dec 26;1-3. doi: 10.1080/02688697.2017.1419163. [Epub ahead of print] PubMed PMID: 29278012.

2)

Schneider F, Kompis M, Ozdoba C, Beck J, Caversaccio M, Senn P. Pilocytic astrocytoma of the cerebellopontine angle in a child presenting with auditory neuropathy spectrum disorder. Otol Neurotol. 2015 Apr;36(4):e101-3. doi: 10.1097/MAO.0000000000000355. PubMed PMID: 24781101.

3)

Mirone G, Schiabello L, Chibbaro S, Bouazza S, George B. Pediatric primary pilocytic astrocytoma of the cerebellopontine angle: a case report. Childs Nerv Syst. 2009 Feb;25(2):247-51. doi: 10.1007/s00381-008-0690-9. Epub 2008 Aug 9. PubMed PMID: 18690462.

4)

Takada Y, Ohno K, Tamaki M, Hirakawa K. Cerebellopontine angle pilocytic astrocytoma mimicking acoustic schwannoma. Neuroradiology. 1999 Dec;41(12):949-50. PubMed PMID: 10639675.

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