

ORBITAL SCHWANNOMA PRESENTING WITH PERIORBITAL PAIN AND DIPLOPIA

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Background & Significance: The orbital schwannoma is one of benign tumors originated from Schwann cells of neural crest origin, usually involving the sensory nerves of the superior division of the trigeminal nerve or the motor nerves to the extraocular muscles. Here, we describe a case presenting with periorbital pain and diplopia, caused by the orbital schwannoma.

Case: A 58-year old woman with right periorbital pain visited our hospital. She complained of slowly aggravating pain and intermittent subjective diplopia during upgaze. The neurologic examination showed no abnormality. Brain MR scans indicated the round shaped homogeneously enhancing mass at superolateral quadrant of right orbit, which might be most likely orbital schwannoma. Jolly test and Ach-receptor antibody test revealed negative.

Comments: The orbital schwannoma is a rare and benign orbital tumor and can be the intra/extracranial space. This tumor can cause diplopia, proptosis, eyelid edema and periorbital pain. Usually, excision of the tumor is the first choice of treatment with low recurrence rate. The orbital schwannoma should be considered as one of the curable causes for slowly aggravating diplopia.