Case report of optic nerve glioma in a case of neurofibromatosis type-1.

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Abstract:

A 12 year old female patient presented with diminution of vision from childhood and more so since 1 week following fever, chills and vomiting. The patient was uncooperative for visual assessment. On slit lamp examination, anterior segments of both eyes were normal. Indirect ophthalmoscopy showed disc pallor in both eyes. The contrast enhanced computed tomography showed homogenously enhanced thickening of optic nerve predominantly in intracranial part also involving optic chiasma and associated tortuous intraorbital part of optic nerve. On magnetic resonance imaging both optic nerves, optic chiasma, and both optic tracts appeared enlarged, with widening of optic canals on both sides and subarachnoid spaces along both optic nerves appeared dilated. The patient was referred to neurosurgery department where intranasal trans-sphenoidal endoscopic biopsy from left optic nerve was taken. Histopathology examination was suggestive of low grade glioma. Neurofibromatosis type-1 is a rare condition with bilateral optic nerve glioma being a rare condition.

Keywords: Chemotherapy, Glioma, Neurofibromatosis, Orbital tumour.

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