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Choroid Plexus Papilloma in an Adult: Case Report

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Abstract
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Abstract

Objective: Choroid plexus tumors are a rare intraventricular neoplasm originating in the choroid plexus, accounting for only 0.3-0.6% of all intracranial tumors. These tumors are seen more frequently in children, especially in the first two years of life, with an incidence of 1.5 to 4% in this age group. We present a case of choroid plexus papilloma in an adult patient.

Methods: A 39-year-old man was admitted to the neurosurgery department of his hospital for headache, gaze shift to the left, and disorientation. By computed tomography and magnetic resonance imaging in January / 2020, a tumor in the third ventricle directed to the midbrain with a cystic component compatible with choroid plexus papilloma of 21x26x22mm was reported. Due to the location of the tumor and restriction of surgical treatments for the COVID19 pandemic, he was sent for radiotherapy evaluation. Treatment was decided with stereotaxic radiosurgery in our service 12 Gray in 1 fraction in a volume in PTV of 11.25cc with prescription at 100% of the dose, coverage of 98.3% in GTV as of July 31, 2020.

Results: 12 months after having indicated the treatment, no tumor data were reported, achieving a complete response.

Conclusion: Choroid plexus papillomas are rare benign tumors. Although surgical resection is the ideal initial treatment, it cannot always be accomplished due to location. In this case we verify that radiosurgery can be used as initial treatment.