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Tectal Glioma

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Definition

A subtype of brain stem gliomas, tectal gliomas, are the result of an abnormal growth of cells focused in the region of the brainstem between the aqueduct of Sylvius and the fourth ventricle. Typically, tectal gliomas are low grade and manifest as astrocytomas, which commonly co-occur with hydrocephalus as the tumor places pressure

on the fourth ventricle. In addition to neurological signs, individuals with these types of tumors may present with diplopia, paralysis of upward gaze and accommodation, loss of pupillary reflex to light, eyelid retraction, and convergence-retraction nystagmus.

References and Readings

Armstrong, C. L., Schmus, C. J., & Belasco, J. B. (in press). Neuropsychological problems in neuro-oncology. In C. L. Armstrong (Ed.), *Handbook of medical neuropsychology: Applications of cognitive neuroscience*. New York: Springer.