

Cerebellar pilocytic astrocytoma epidemiology

- [Neuroendoscopic Surgical Treatment of Cerebellar Vermis Tumors in Pediatric Patients: A Case Series](#)
- [Characterizing the molecular and spatial heterogeneity of midline gliomas in adults: a single institution analysis](#)
- [Cerebellar glioblastoma in adults: a comparative single-center matched pair analysis and systematic review of the literature](#)
- [Racial and social-economic inequalities in systemic chemotherapy use among adult glioblastoma patients following surgery and radiotherapy](#)
- [Epidemiology and Anatomical Distribution of Primary Brain Tumors Among Children in Palestine: A 6-Year National Referral Institution Study](#)
- [Breastfeeding and risk of childhood brain tumors: a report from the Childhood Cancer and Leukemia International Consortium](#)
- [Staged Open Cranial Surgery for Primary Intra-axial Neoplasms: A Systematic Review](#)
- [Cerebellar Mutism Syndrome After Posterior Fossa Tumor Surgery in Children-A Retrospective Single-Center Study](#)

Cerebellar [pilocytic astrocytomas](#) (CPA) account for approximately 30% of all [pediatric central nervous system tumors](#) and thus, constitute the second-largest [pediatric brain tumor](#) group after [medulloblastomas](#) (MB) ^{1) 2) 3)}.

One of the more common [pediatric brain tumors](#) (\approx 15% of primary brain tumors in patients <19 years ⁴⁾ comprising 27–40% of [pediatric posterior fossa tumors](#) ^{5) 6)}.

They may also occur in adults, where the mean age is lower and the postoperative survival is longer than for fibrillary astrocytomas ⁷⁾.

¹⁾

Aarsen FK, Paquier PF, Arts WF, Van Veelen ML, Michiels E, Lequin M, Catsman-Berrevoets CE.. Cognitive deficits and predictors 3 years after diagnosis of a pilocytic astrocytoma in childhood. *J Clin Oncol.* 2009;27(21):3526–32.

²⁾

Beebe DW, Ris MD, Armstrong FD, Fontanesi J, Mulhern R, Holmes E, Wisoff JH.. Cognitive and adaptive outcome in low-grade paediatric cerebellar astrocytomas: evidence of diminished cognitive and adaptive functioning in National Collaborative Research Studies. *J Clin Oncol.* 2005;23(22):5198–204.

³⁾

Hayostek CJ, Shaw EG, Scheithauer B, O'Fallon JR, Weiland TL, Schomberg PJ, Kelly PJ, Hu TC. Astrocytomas of the cerebellum. A Comparative Clinicopathologic Study of Pilocytic and Diffuse Astrocytomas. *Cancer.* 1993;72(3):856–69.

⁴⁾

Burkhard C, Di Patre PL, Schuler D, et al. A population-based study of the incidence and survival rates in patients with pilocytic astrocytoma. *J Neurosurg.* 2003; 98:1170–1174

⁵⁾

Section of Pediatric Neurosurgery of the American Association of Neurological Surgeons. *Pediatric Neurosurgery.* New York 1982

Last update: 2024/06/07 03:00 cerebellar_pilocytic_astrocytoma_epidemiology https://neurosurgerywiki.com/wiki/doku.php?id=cerebellar_pilocytic_astrocytoma_epidemiology

- 6) Youmans JR. Neurological Surgery. Philadelphia 1990
- 7) Ringertz N, Nordenstam H. Cerebellar Astrocytoma. J Neuropathol Exp Neurol. 1951; 10:343-367

From: <https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link: https://neurosurgerywiki.com/wiki/doku.php?id=cerebellar_pilocytic_astrocytoma_epidemiology

Last update: **2024/06/07 03:00**

