

Central nervous system tumor guidelines

- Proinflammatory cytokines - as a marker of the effectiveness of neuroprotection in children with perinatal nervous system damage
- Population-Based Real-World Outcomes of Post-Operative Adjuvant Brain Cavity Radiotherapy Versus Observation
- Genetic analysis of a child with gastrointestinal hemorrhage and Cerebroretinal microangiopathy with calcifications and cysts and a literature review
- NOVA2 expression in pituitary gland and in functioning and non-functioning pituitary adenomas: a preliminary study
- Characteristics and Outcomes of Patients With IDH-Mutant Grade 2 and 3 Gliomas After Deferred or Adjuvant Radiotherapy
- Revised European Society of Endocrinology Clinical Practice Guideline for the management of aggressive pituitary tumours and pituitary carcinomas
- Revisiting Late-Onset Bipolar Disorder Associated With Pituitary Adenoma: A Cross-Sectional, Multidisciplinary, Case-Based Analysis
- Focused ultrasound in pediatric neurosurgery: a scoping review of opportunities and challenges

NCCN Guidelines

The [NCCN Guidelines](#) for Central nervous system tumor focus on the management of the following adult CNS cancers: [glioma](#) (WHO grade 1, WHO grade 2-3 [Oligodendrogloma IDH-mutant and 1p/19q-codeleted](#), WHO grade 2-4 [Astrocytoma IDH-mutants](#), WHO grade 4 [glioblastoma](#)), intracranial and spinal [ependymomas](#), [medulloblastoma](#), limited and extensive [brain metastases](#), [leptomeningeal metastases](#), non-AIDS-related [Primary central nervous system lymphomas](#), [metastatic spine tumors](#), [meningiomas](#), and [primary spinal cord tumors](#). The information contained in the [algorithms](#) and principles of management sections in the NCCN Guidelines for CNS Cancers is designed to help clinicians navigate through the complex management of patients with CNS tumors. Several important principles guide surgical management and treatment with [radiotherapy](#) and systemic therapy for adults with [brain tumors](#). The NCCN CNS Cancers Panel meets at least annually to review comments from reviewers within their institutions, examine relevant new data from publications and abstracts, and reevaluate and update their recommendations. These [NCCN Guidelines Insights](#) summarize the panel's most recent recommendations regarding molecular profiling of [gliomas](#)¹⁾

AANS/CNS SECTION ON TUMORS

Evidence-based, [clinical practice](#) guidelines in the management of central nervous system tumors (CNS) continue to be developed and updated through the work of the Joint Section on Tumors of the Congress of Neurological Surgeons (CNS) and the American Association of Neurological Surgeons (AANS).

The [guidelines](#) are created using the most current and clinically relevant evidence using systematic methodologies, which classify available data and provide recommendations for clinical practice.

This update summarizes the Tumor Section Guidelines developed over the last five years for Non-Functioning Pituitary Neuroendocrine Tumors, low-grade gliomas, vestibular schwannomas, and metastatic brain tumors²⁾.

National Cancer Institute

<https://www.cancer.gov/types/brain/hp/adult-brain-treatment-pdq>

European Society for Medical Oncology

<https://www.esmo.org/guidelines/guidelines-by-topic/neuro-oncology>

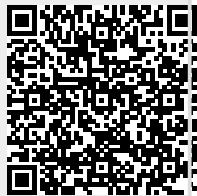
1)

Horbinski C, Nabors LB, Portnow J, Baehring J, Bhatia A, Bloch O, Brem S, Butowski N, Cannon DM, Chao S, Chheda MG, Fabiano AJ, Forsyth P, Gigilio P, Hattangadi-Gluth J, Holdhoff M, Junck L, Kaley T, Merrell R, Mrugala MM, Nagpal S, Nedzi LA, Nevel K, Nghiempahu PL, Parney I, Patel TR, Peters K, Puduvali VK, Rockhill J, Rusthoven C, Shonka N, Swinnen LJ, Weiss S, Wen PY, Willmarth NE, Bergman MA, Darlow S. NCCN Guidelines® Insights: Central Nervous System Cancers, Version 2.2022. J Natl Compr Canc Netw. 2023 Jan;21(1):12-20. doi: 10.6004/jnccn.2023.0002. PMID: 36634606.

2)

Redjal N, Venteicher AS, Dang D, Sloan A, Kessler RA, Baron RR, Hadjipanayis CG, Chen CC, Ziu M, Olson JJ, Nahed BV. Guidelines in the management of CNS tumors. J Neurooncol. 2021 Feb;151(3):345-359. doi: 10.1007/s11060-020-03530-8. Epub 2021 Feb 21. PMID: 33611702.

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