

**Treatment:** The treatment of CNS tumors depends on several factors, including the type, location, size, and grade of the tumor, as well as the patient's overall health. Treatment options may include surgery, radiation therapy, chemotherapy, targeted therapy, immunotherapy, and supportive care. Neuro-oncologists help develop personalized treatment plans for each patient based on these factors.

**Clinical Trials:** Neuro-oncologists actively participate in clinical trials to investigate new treatments and therapies for brain and spinal cord tumors. These trials aim to improve patient outcomes and advance the understanding of these complex diseases.

**Palliative Care:** Neuro-oncologists work closely with palliative care specialists to provide supportive care to patients with advanced or incurable brain or spinal cord tumors. Palliative care focuses on managing symptoms, improving quality of life, and providing emotional support for patients and their families.

**Research and Education:** Neuro-oncologists are involved in research efforts to better understand the biology of CNS tumors, identify novel therapeutic targets, and develop more effective treatment strategies. They also play a crucial role in educating medical students, residents, and fellows about neuro-oncology.

Neuro-oncology is a rapidly evolving field, and advancements in technology, imaging, and treatment options continue to improve outcomes for patients with brain and spinal cord tumors.

It remains a challenge in oncology to identify novel [drug](#) regimens to efficiently tackle [glioblastoma](#), the most common primary brain tumor in adults.

Developments in modern oncological neurosurgery led to a shift from a strictly anatomic structural point of view to a more functional holistic model. Therefore, a distinctive and precise knowledge of the complexity of the brain and an integral three-dimensional idea of its structures are mandatory.

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