

Neoplastic

Brain and Spinal Cord

Diffuse Astrocytic and Oligodendroglial Tumors

Diffuse Astrocytoma, IDH-Mutant, WHO Grade II

Diffuse Astrocytoma, IDH-Wildtype, WHO Grade II (Provisional Entity)

Anaplastic Astrocytoma, IDH-Mutant, WHO Grade III

Anaplastic Astrocytoma, IDH-Wildtype, WHO Grade III

Glioblastoma, IDH-Wildtype

Granular Cell Astrocytoma of the Cerebrum

Gliosarcoma

Glioblastoma, IDH Mutant

Diffuse Midline Glioma, H3 K27M Mutant

H3 G34-Mutant Gliomas, IDH-Wildtype (Provisional Entity)

Oligodendroglioma

Anaplastic Oligodendroglioma

Mixed Oligoastrocytoma

Other Astrocytic Tumors

Pilocytic Astrocytoma

Pilomyxoid Astrocytoma

Subependymal Giant Cell Astrocytoma

Pleomorphic Xanthoastrocytoma

Anaplastic Pleomorphic Xanthoastrocytoma

Pediatric Low-Grade Glioma/Glioneuronal Tumors (Provisional Entities)

Ependymal Tumors

Subependymoma

Myxopapillary Ependymoma

Ependymoma

*Ependymoma, *RELA* Fusion-Positive*

Anaplastic Ependymoma

Other Gliomas

Chordoid Glioma of 3rd Ventricle

Angiocentric Glioma

Astroblastoma

Choroid Plexus Tumors

Choroid Plexus Papilloma and Atypical Papilloma

Choroid Plexus Carcinoma

Neuronal and Mixed Neuronal-Glial Tumors

Dysembryoplastic Neuroepithelial Tumor

Gangliocytoma and Ganglioglioma

Dysplastic Cerebellar Gangliocytoma (Lhermitte-Duclos Disease)

Desmoplastic Infantile Ganglioglioma

Papillary Glioneuronal Tumor

Rosette-Forming Glioneuronal Tumor of 4th Ventricle

Diffuse Leptomeningeal Glioneuronal Tumor

Malignant Glioneuronal Tumors

Central Neurocytoma

Extraventricular Neurocytoma

Cerebellar Liponeurocytoma

Paraganglioma of Filum Terminale

Tumors of the Pineal Region

Pineal Parenchymal Neoplasms

Papillary Tumor of the Pineal Region

Pineal Anlage Tumor

Embryonal Tumors

Medulloblastoma

CNS Embryonal Neoplasms

Embryonal Tumor With Multilayered Rosettes, C19MC Altered

Ewing Sarcoma

Atypical Teratoid/Rhabdoid Tumor

Germ Cell Tumors

Germinoma

Teratomas

Other Germ Cell Tumors

Lymphomas and Histiocytic Tumors

Primary Central Nervous System Lymphoma

Lymphomatosis Cerebri

Lymphomatoid Granulomatosis

Intravascular Lymphomatosis

Primary Amyloidoma

Langerhans Cell Histiocytosis

Erdheim-Chester Disease

Rosai-Dorfman Disease

Metastatic Tumors

Metastatic Neoplasms, Intraparenchymal, Brain and Spinal Cord

Sellar Region

Adenohypophyseal Neoplasia and Hyperplasia

Pituitary Adenoma

Prolactinoma

Somatotroph Adenoma

Corticotroph Adenoma

Gonadotroph Adenoma

Thyrotroph Adenoma

Plurihormonal Adenoma

Null Cell Adenoma

Pituitary Hyperplasia

Pituitary Carcinoma

TTF-Mediated Neurohypophyseal Neoplasms

Granular Cell Tumor of the Sellar Region

Pituicytoma

Spindle Cell Oncocytoma

Craniopharyngiomas

Adamantinomatous Craniopharyngioma

Papillary Craniopharyngioma

Miscellaneous Neoplasms

Pituitary Blastoma

Secondary Neoplasms of the Pituitary and Sellar Region

Hypothalamic Hamartoma

Meningiomas and Mesenchymal Nonmeningothelial Tumors

Meningioma

Solitary Fibrous Tumor/Hemangiopericytoma

Hemangioblastoma

Primary Melanocytic Neoplasms

Osteochondrogenous Neoplasms

Notochordal Tumors

Fibrosarcoma

Smooth Muscle Neoplasms

Adipocytic Neoplasms

Meningeal Glioma and Gliomatosis

Metastatic Neoplasms, Intracranial and Intraspinial Meninges

Tumors of Cranial and Paraspinal Nerves

Schwannoma Variants

Conventional Schwannoma

Cellular Schwannoma

Plexiform Schwannoma

Melanotic Schwannoma

Neurofibroma

Plexiform Neurofibroma

Localized Intraneural Neurofibroma

Extraneural Neurofibroma Variants

Perineurioma

Intraneural Perineurioma

Soft Tissue Perineurioma

Primary Malignant Neoplasms of Nerve

Malignant Peripheral Nerve Sheath Tumor

Lipoma of 8th Cranial Nerve

Lipoma of 8th Cranial Nerve

Familial Tumor Syndromes

Neurofibromatosis

Neurofibromatosis 1

Neurofibromatosis 2

Schwannomatosis

Other

von Hippel-Lindau Syndrome

Tuberous Sclerosis Complex

Turcot Syndrome

Nonneoplastic

Benign Cysts

Arachnoid Cyst

Epidermoid and Dermoid Cysts

Colloid Cyst

Rathke Cleft Cyst

Endodermal Cyst

Ependymal Cyst

Pineal Cyst

Facet Joint Synovial Cyst

Infectious, Inflammatory, and Reactive Lesions

Demyelinating Diseases

Demyelinating Disease (Multiple Sclerosis-Tumefactive Demyelination)

Bacterial Infections

Abscess and Cerebritis

Whipple Disease

Tuberculosis

Viral Infections

Herpes Simplex Encephalitis

Progressive Multifocal Leukoencephalopathy

HIV Encephalitis

Other Viral Infections

Fungal Infections

Fungal Infections

Protozoal and Parasitic Infections

Toxoplasmosis

Amebiasis

Cysticercosis

Miscellaneous Parasitic Infections

Other Inflammatory Diseases

Sarcoidosis

Rasmussen Encephalitis

Paraneoplastic Disease

Textiloma (Muslinoma, Gauzoma, Gossypiboma)

Inflammatory Pseudotumors

Lymphocytic Hypophysitis

Reactive Conditions and Noninflammatory Pseudoneoplasms

Meningioangiomatosis

Meningeal Response to Intracranial Hypotension

Radiation Necrosis

Calcifying Pseudoneoplasm of the Neuraxis

Vascular Diseases

Vascular Malformations and Neoplasms

Telangiectasis

Cavernous Angioma

Arteriovenous Malformation

Capillary Hemangioma

Vascular Lesions

Subdural Hematoma

Infarct

Vasculitis and Vasculopathy

Primary Angiitis of Central Nervous System

Amyloid (Congophilic) Angiopathy

Cortical Dysplasia

Cortical Dysplasia