

Features:

- Combines essential anatomy with gross pathology and imaging, clearly demonstrating why and how diseases appear the way they do and helping readers think clearly about diagnoses, types of diagnoses, and the various pathologies that can affect the brain
- Guides readers through the “must know” aspects of neuroimaging and neuropathology (brain trauma, stroke, vascular lesions, etc.) before zeroing in on such topics as infections, demyelinating and inflammatory diseases, neoplasms, toxic-metabolic-degenerative disorders, and congenital brain malformations
- Provides state-of-the-art coverage on such topics as new brain tumor entities, the effects of emerging viral illness such as COVID-19 on the brain, and recently delineated/named diseases (e.g., HIV-associated CD8 encephalitis)
- Features more than 4,000 stunning, high-resolution radiologic images and 100+ detailed, full-color medical illustrations, all of which are annotated to describe the most clinically significant features; and includes robust, digital-only galleries that contain hundreds of additional images that further illustrate each chapter
- Includes up-to-date nomenclature based on the 5th edition of the WHO Classification of Tumors, Central Nervous System, including a complete revision, expansion, and updating of CNS neoplasms with new entities, revised grading criteria, diagnostic molecular pathology, and nomenclature
- Contains Dr. Osborn’s trademark summary boxes for a quick review of essential facts, signature graphics with additional radiological and pathologic correlations, and updated literature references, including up-to-the-minute references in the eBooks+ version
- Includes an eBook version that enables you to access all text, figures, and references, with the ability to search, customize your content, make notes and highlights, and have content read aloud

Περιεχόμενα:TRAUMA

Trauma Overview

Primary Effects of CNS Trauma

Secondary Effects and Sequelae of CNS Trauma

NONTRAUMATIC HEMORRHAGE AND VASCULAR LESIONS

Approach to Nontraumatic Hemorrhage and Vascular Lesions

Spontaneous Parenchymal Hemorrhage

Subarachnoid Hemorrhage and Aneurysms

Vascular Malformations

Arterial Anatomy and Strokes

Venous Anatomy and Occlusions

Vasculopathy

INFECTION, INFLAMMATION, AND DEMYELINATING DISEASES

Approach to Infection, Inflammation, and Demyelination

Congenital, Acquired Pyogenic, and Acquired Viral Infections

Tuberculosis and Fungal, Parasitic, and Other Infections

HIV/AIDS

Demyelinating and Inflammatory Diseases

NEOPLASMS, CYSTS, AND TUMOR-LIKE LESIONS

Introduction to CNS Neoplasms and Nonneoplastic Cysts

Adult-Type Diffuse Gliomas

Pediatric-Type Diffuse Low-Grade Gliomas

Pediatric-Type Diffuse High-Grade Gliomas

Circumscribed Astrocytic Gliomas

Glioneuronal and Neuronal Tumors

Ependymal Tumors

Choroid Plexus Tumors

Embryonal Tumors
Pineal and Germ Cell Tumors
Cranial Nerve Tumors
Meningiomas
Mesenchymal, Nonmeningothelial Tumors
Hematolymphoid Tumors
Sellar Region Tumors and Tumor-Like Conditions
Metastases and Paraneoplastic Syndromes
Nonneoplastic Cysts
Miscellaneous Tumors and Tumor-Like Conditions

TOXIC, METABOLIC, DEGENERATIVE, AND CSF DISORDERS

Approach to Toxic, Metabolic, Degenerative, and CSF Disorders
Toxic Encephalopathy
Inherited Metabolic Disorders
Acquired Metabolic and Systemic Disorders
Dementias and Brain Degenerations
Hydrocephalus and CSF Disorders

CONGENITAL MALFORMATIONS AND GENETIC TUMOR SYNDROMES

Approach to Congenital Malformations
Posterior Fossa Malformations
Commissural and Cortical Maldevelopment
Holoprosencephalies, Related Disorders, and Mimics
Genetic Tumor Syndromes Involving the CNS
Vascular Neurocutaneous Syndromes
Anomalies of the Skull and Meninges