

Χαρακτηριστικά:

- Provides authoritative guidance that equips you to **effectively diagnose and manage** the full range of neurological disorders
- Contains **new and expanded content** on artificial intelligence, brain health, pandemic health, health equity, and immune-based encephalopathies
- Offers a true-to-life view of **how neurological disorders manifest through more than 100 detailed videos** covering EEG and seizures; deep brain stimulation for Parkinson disease, tremor, and other movement disorders; sleep disorders; ocular oscillations and other ocular motility disorders; pupillary abnormalities; EMG evaluation; cranial neuropathies; disorders of upper and lower motor neurons; as well as other neurologic signs—with **many videos new to this edition**
- Allows you to **perform easy searches through an intuitive organization** by both symptom and grouping of diseases
- Features **more than 150 expert contributors**, a veritable Who's Who in clinical neuroscience, who provide up-to-date guidance under the experienced editorial leadership of Drs. Joseph Jankovic, John C. Mazziotta, Scott L. Pomeroy, and Nancy J. Newman
- **An eBook version is included with purchase.** The eBook allows you to access all of the text, figures, and references, with the ability to search, make notes and highlights, and have content read aloud. Additional digital ancillary content may publish after the publication date

Περιεχόμενα:

VOLUME 1: PRINCIPLES OF DIAGNOSIS

PART I Common Neurological Problems

- 1 Diagnosis of Neurological Disease
- 2 Episodic Impairment of Consciousness
- 3 Falls and Drop Attacks
- 4 Delirium
- 5 Coma and Disorders of Consciousness
- 6 Prolonged Comatose States and Brain Death
- 7 Intellectual and Memory Impairments
- 8 Global Developmental Delay and Regression
- 9 Behavior and Personality Change in Neurological Disorders
- 10 Depression and Psychosis in Neurological Practice
- 11 Limb Apraxias and Related Disorders
- 12 Agnosias
- 13 Aphasia and Aphasic Syndromes
- 14 Dysarthria and Apraxia of Speech
- 15 Neurogenic Dysphagia
- 16 Neuro-Ophthalmology: Afferent Visual System
- 17 Pupillary and Eyelid Abnormalities

18 Neuro-Ophthalmology: Ocular Motor System
19 Disturbances of Smell and Taste
20 Cranial and Facial Pain
21 Brainstem Syndromes
22 Neuro-Otology Diagnosis and Management of Neuro-Otological Disorders
23 Cerebellar Ataxia
24 Diagnosis and Assessment of Parkinson Disease and Other Movement Disorders
25 Gait Disorders
26 Hemiplegia and Monoplegia
27 Paraplegia and Spinal Cord Syndromes
28 Proximal, Distal, and Generalized Weakness
29 Muscle Pain and Cramps
30 Hypotonic (Floppy) Infant
31 Sensory Abnormalities of the Limbs, Trunk, and Face
32 Arm and Neck Pain
33 Lower Back and Lower Limb Pain
PART II Neurological Investigations and Interventions
SECTION A General Principles
34 Investigations in the Diagnosis and Management of Neurological Disease
35 Brain Health
36 Artificial Intelligence
SECTION B Clinical Neurophysiology
37 Electroencephalography and Evoked Potentials
38 Clinical Electromyography
39 Noninvasive Neuromodulation
40 Intracranial Neuromodulation
41 Intraoperative Monitoring
SECTION C Neuroimaging
42 Structural Imaging Using Magnetic Resonance Imaging and Computed Tomography
43 Vascular Imaging: Computed Tomographic Angiography, Magnetic Resonance Angiography, and Ultrasound
44 Functional and Molecular Neuroimaging
45 Ocular Functional and Structural Investigations
SECTION D Clinical Neurosciences
46 Neuropsychological Assessment
47 Uro-Neurology
48 Sexual Dysfunction in Neurological Disorders
49 Neuroepidemiology
50 Clinical Neurogenetics
51 Neuroimmunology
52 Neuroendocrinology
VOLUME 2: NEUROLOGICAL DISORDERS AND THEIR MANAGEMENT
PART III Neurological Diseases and Their Treatment
SECTION A General Principles

53 Management of Neurological Disease
54 Pain Management
55 Neurointensive Care
56 Principles of Neuroendovascular Therapy
57 Neurological Rehabilitation
58 Transition to Adult Care for Youth With Chronic Neurological Disorders
59 Palliative and End-of-Life Care in Neurological Disease
SECTION B Neurological Complications of Systemic Disease
60 Neurological Complications of Systemic Disease: Adults
61 Neurological Complications of Systemic Disease: Children
SECTION C Trauma of the Nervous System
62 Basic Neuroscience of Neurotrauma
63 Chronic Traumatic Encephalopathy and Other Consequences of Repetitive Head Impacts
64 Craniocerebral Trauma
65 Spinal Cord Trauma
66 Trauma of the Nervous System: Peripheral Nerve Trauma
SECTION D Vascular Diseases of the Nervous System
67 Ischemic Cerebrovascular Disease
68 Intracerebral Hemorrhage
69 Intracranial Aneurysms and Subarachnoid Hemorrhage
70 Stroke in Children
71 Spinal Cord Vascular Disease
SECTION E Cancer and the Nervous System
72 Epidemiology of Brain Tumors
73 Pathology and Molecular Genetics
74 Clinical Features of Brain Tumors and Complications of Their Treatment
75 Management of Primary Nervous System Tumors in Adults
76 Primary Nervous System Tumors in Infants and Children
77 Nervous System Metastases
SECTION F Infections of the Nervous System
78 Neurological Manifestations of Human Immunodeficiency Virus Infection in Adults
79 Viral Encephalitis and Meningitis
80 Bacterial, Fungal, and Parasitical Diseases of the Nervous System
SECTION G Other Neurological Disorders
81 Multiple Sclerosis and Other Inflammatory Demyelinating Diseases of the Central Nervous System
82 Paraneoplastic Disorders of the Nervous System
83 Autoimmune Encephalitis
84 Anoxic-Ischemic Encephalopathy
85 Metabolic Encephalopathies
86 Deficiency Diseases of the Nervous System
87 Effects of Toxins and Physical Agents on the Nervous System
88 Effects of Drug Misuse on the Nervous System
89 Brain Edema and Disorders of Cerebrospinal Fluid Circulation
90 Developmental Disorders of the Nervous System

91 Autism and Other Neurodevelopmental Disabilities
92 Inherited Metabolic Disorders and the Nervous System
93 Neurodegenerative Disease Processes
94 Mitochondrial Disorders
95 Prion Diseases
96 Alzheimer Disease and Other Dementias
97 Parkinson Disease and Other Movement Disorders
98 Disorders of Upper and Lower Motor Neurons
99 Channelopathies: Episodic and Electrical Disorders of the Nervous System
100 Neurocutaneous Syndromes
101 Epilepsies
102 Sleep and Its Disorders
103 Headache and Other Craniofacial Pain
104 Cranial Neuropathies
105 Disorders of Bones, Joints, Ligaments, and Meninges
106 Disorders of Nerve Roots and Plexuses
107 Disorders of Peripheral Nerves
108 Disorders of the Autonomic Nervous System
109 Disorders of Neuromuscular Transmission
110 Disorders of Skeletal Muscle
111 Neurological Problems in the Newborn
112 Cerebral Palsy
113 Neurological Problems of Pregnancy
114 Functional Neurological Disorder and Associated Conditions
Index