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Nota di contenuto	Part I: Primary Nervous System Disease -- Chapter 1: Epilepsy and Cognitive Plasticity -- Chapter 2: The Continuum of Traumatic Brain Injuries: Subconcussion to Chronic Traumatic Encephalopathy -- Chapter 3: Traumatic Brain Injury in Very Early Childhood -- Chapter 4: Neuropsychological Problems in Neuro-oncology -- Chapter 5: Multiple System Atrophy, Orthostatic Hypotension, and Autonomic Dysfunction and Cognition -- Part II: Vascular System Disease -- Chapter 6: Cardiovascular Disease and Neurocognitive Function -- Chapter 7: Cerebrovascular Disease and Disorders -- Chapter 8: Cognitive Declines During Migraine and Cluster Headaches Are Caused by Cerebral 5HT Neurotransmitter Dysfunction -- Chapter 9: Respiratory Disorders: Effects on Neurocognitive and Brain Function -- Chapter 10: Cognitive Functioning in Asthma: Central Nervous System and Other Influences -- Part III: Developmental, Genetic, and Structural Disorders -- Chapter 11: Cerebral Palsy: Effects of Early Brain Injury on Development -- Chapter 12: Autism Spectrum Disorder: A Cognitive Neuroscience Perspective -- Chapter 13: Genetic Syndromes Associated

with Intellectual Disabilities -- Chapter 14: An Introduction to Congenital and Normal Pressure Hydrocephalus -- Chapter 15: Learning Disorders -- Chapter 16: Frontal Lobe Disorders in Pediatric Neuropsychology: Attention-Deficit Hyperactivity Disorder and Tourette Disorder -- Part IV: Aging -- Chapter 17: Dementia -- Chapter 18: Theoretical Perspectives on Cognitive Aging -- Chapter 19: Neuropsychology of Movement Disorders and Motor Neuron Disease: Parkinson's Disease, Progressive Supranuclear Palsy, Essential Tremor, Huntington's Disease, and Amyotrophic Lateral Sclerosis -- Part V: Immune-Mediated Disease -- Chapter 20: Cognitive and Affective Neuroscience Theories of Cognition and Depression in Multiple Sclerosis and Guillain-Barré Syndrome -- Chapter 21: Neurocognitive Function in Systemic Autoimmune and Rheumatic Diseases -- Chapter 22: HIV-AIDS: The Neurologic and Cognitive Consequences of HIV-1 Infection -- Chapter 23: Rheumatologic Conditions: Sjögren's Syndrome, Fibromyalgia, and Chronic Fatigue Syndrome -- Part VI: Endocrine Disease -- Chapter 24: Neuropsychological Sequelae of Type 1 and Type 2 Diabetes -- Chapter 25: Hypothyroidism and Hashimoto's Thyroiditis: Mechanisms, Diagnosis, Neuropsychological Phenotypes, and Treatments -- Chapter 26: Neuropsychological Functioning of Endocrinology Disorders: Gonadotropic Hormones and Corticosteroids -- Chapter 27: Neuropsychological Assessment of Posttraumatic Stress Disorder (PTSD) -- Part VII: Metabolic Disease -- Chapter 28: Nutrition in Neurocognition and Mental Health -- Chapter 29: Hepatic Encephalopathy -- Chapter 30: Toxic Disorders and Encephalopathy -- Chapter 31: Neurocognition in Mitochondrial Disorders -- Part VIII: Substance Abuse -- Chapter 32: Substance Abuse Disorder: Cognitive Sequelae, Behavioral Manifestations, Neuroimaging Correlates, and Novel Interventions -- Part IX: Rehabilitation -- Chapter 33: Current Approaches to Cognitive Rehabilitation -- Chapter 34: The Role of Mindfulness in Neurorehabilitation: From the Monastery to the Clinic -- Chapter 35: Sensory Reweighting: A Rehabilitative Mechanism?

Sommario/riassunto

This ambitious and important second edition of the Handbook of Medical Neuropsychology takes an in-depth approach to the medical conditions and methods of neurorehabilitation. Comprehensive in scope and highly detailed in its coverage, the second edition, like the first, characterizes the effects of disease and the impact of interventions in the current state of advanced medicine at a level appropriate both for researchers and for clinicians. Featuring the most up-to-date information and quantitative research on cognitive neuroscience of autism, HIV/AIDS, cancer, head injury, respiratory diseases, endocrine diseases, early birth injury, dementia, and other disorders, the book handles theory, historical background, practical considerations, and controversial areas with evidence based disease indicators, clinical expertise, and real-world insight. It seeks to critique diagnostic and assessment tools specific to disorders. The new chapters in this inclusive second edition reflect the changes in prominent problems found in the clinic and provide worthy insights for research investigation in their review of: Substance use disorders. Nutrition in neurocognition and mental health. Hypothyroidism and Hashimoto's thyroiditis. Traumatic brain injury in very early childhood. Cognitive functioning in asthma. The role of mindfulness in neurorehabilitation. The Handbook of Medical Neuropsychology, 2nd Edition continues to be an essential resource for the neuropsychology clinician, researcher, practitioner or graduate student. It will be stimulating and relevant reading for years to come.