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Nota di contenuto	Introduction / Christopher M. Filley, C. Alan Anderson, and David B. Arciniegas -- Part I. Structural and functional neuroanatomy -- Behavioral neuroanatomy: brainstem, subcortical structures, limbic system, and cerebral cortex and supporting structures / C. Alan Anderson, David B. Arciniegas, Deborah A. Hall, and Christopher M. Filley -- Cerebellum / Jeremy D. Schmahmann -- White matter / Christopher M. Filley -- Frontal-subcortical circuits / David G. Lichter -- Arousal / C. Alan Anderson, Christopher M. Filley, David B. Arciniegas, and James P. Kelly -- Sleep / Martin L. Reite -- Attention / Joshua Cosman and Matthew Rizzo -- Motivation / Brian D. Power and Sergio E. Starkstein -- Perception and recognition / Benzi M. Kluger and Gila Z. Reckess -- Memory / Felipe DeBrigard, Kelly S. Giovanello,

and Danie I. Kaufer -- Language / Mario F. Mendez -- Prosody / Elliott D. Ross -- Praxis / Kenneth M. Heilmen -- Visuospatial function / Doron Merims and Morris Freedman -- Executive function / David B. Arciniegas -- Comportment / Michael Henry Rosenbloom, Oliver Freudenreich, and Bruce H. Price -- Emotion / David B. Arciniegas -- Personality / Site Kedia and C. Robert Cloninger -- Part II. Neurobehavioral and neuropsychiatric assessment -- Neuropsychiatric evaluation / Fred Ovsiew -- Neurological examination / Stuart A. Schneck -- Assessment for subtle neurological signs Igor Bombin, Celso Arango, and Robert W. Buchanan -- Mental status examination / David B. Arciniegas, C. Alan Anderson, and Christopher M. Filley -- Neuropsychological assessment / C. Munro Cullum -- Forensic assessment / Hal S. Wortzel and Robert L. Trestman -- Structural neuroimaging / Robin A. Hurley, Deborah M. Lucas, and Katherine H. Taber -- Advanced neuroimaging / Deborah M. Little and David B. Arciniegas -- Electroencephalography / Lauren C. Frey -- Advanced electrophysiology / Donald C. Rojas -- Neurotoxicology / Christopher M. Filley -- Neuropathological assessment / B. K. Kleinschmidt-Demasters, Katherine L. Howard, Steven G. Ojemann, and Christopher M. Filley -- Part III. Treatments in behavioral neurology and neuropsychiatry: -- Principles of pharmacotherapy / Jonathan M. Silver -- Rehabilitation and pharmacotherapy of cognitive impairment / David B. Arciniegas, Hal S. Wortzel, and Kimberly L. Frey -- Pharmacotherapy of emotional disturbances / Steven L. Dubovsky -- Pharmacotherapy of behavioral disturbances / Thomas W. McAllister and David B. Arciniegas -- Psychotherapy / Lynne Fenton and Robert Feinstein -- Environmental and behavioral interventions / Laura A. Flashman and Thomas W. McAllister -- Procedural interventions / C. Alan Anderson and David B. Arciniegas.

Sommario/riassunto

The merger of behavioral neurology and neuropsychiatry into a single medical subspecialty, Behavioral Neurology & Neuropsychiatry, requires an understanding of brain-behavior relationships and a clinical approach that transcends the traditional perspectives of neurology and psychiatry. Designed as a primer of concepts and principles, and authored by a multidisciplinary group of internationally known clinical neuroscientists, this book divides into three sections: • Structural and Functional Neuroanatomy (Section I) addresses the neuroanatomy and phenomenology of cognition, emotion, and behavior • Clinical Assessment (Section II) describes neuropsychiatric history taking, neurological and mental status examinations, neuropsychological assessment, and neuroimaging, electrophysiologic, and laboratory methods • Treatment (Section III) discusses environmental, behavioral, rehabilitative, psychological, social, pharmacological, and procedural interventions for cognitive, emotional, and behavioral disorders. By emphasizing the principles of Behavioral Neurology & Neuropsychiatry, this book will improve your understanding of brain-behavior relationships and inform your care of patients and families affected by neurobehavioral disorders.
