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Titolo	Executive functions in health and disease // edited by Elkhonon Goldberg
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Descrizione fisica	1 online resource (636 pages) : illustrations (some color)
Disciplina	155.423
Soggetti	Executive functions (Neuropsychology) Clinical neuropsychology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Part I. Executive functions in health -- Prefrontal executive functions predict and preadapt -- The cellular mechanisms of executive functions and working memory: relevance to mental disorders -- Gene expression in the frontal lobe -- A functional network perspective on the role of the frontal lobes in executive cognition -- Neural network models of human executive function and decision making -- Crucial role of the prefrontal cortex in conscious perception -- Neurodevelopment of the executive functions -- Executive functions and neurocognitive aging -- Assessment of executive functions in research -- Part II. Executive functions in disease -- Cognitive, emotional, and behavioral inflexibility and perseveration in neuropsychiatric illness -- Functional neuroimaging of deficits in cognitive control -- Executive function in striatal disorders -- Neurodevelopmental disorders and the frontal lobes -- Executive control and emerging behavior in youth with Tourette's syndrome -- Inside the triple-decker: Tourette's syndrome and cerebral hemispheres -- Executive dysfunction in addiction -- Seizures of the frontal lobes: clinical presentations and diagnostic considerations -- Executive functions after traumatic brain injury: from deficit to recovery -- Dementias and the frontal lobes -- Executive function in posttraumatic stress disorder -- Executive dysfunction in medical conditions --

Assessment of executive functions in clinical settings.

Sommario/riassunto

Executive Functions in Health and Disease provides a comprehensive review of both healthy and disordered executive function. It discusses what executive functions are, what parts of the brain are involved, what happens when they go awry in cases of dementia, ADHD, psychiatric disorders, traumatic injury, developmental disorders, cutting edge methods for studying executive functions and therapies for treating executive function disorders. It will appeal to neuropsychologists, clinical psychologists, neuroscientists and researchers in cognitive psychology.
