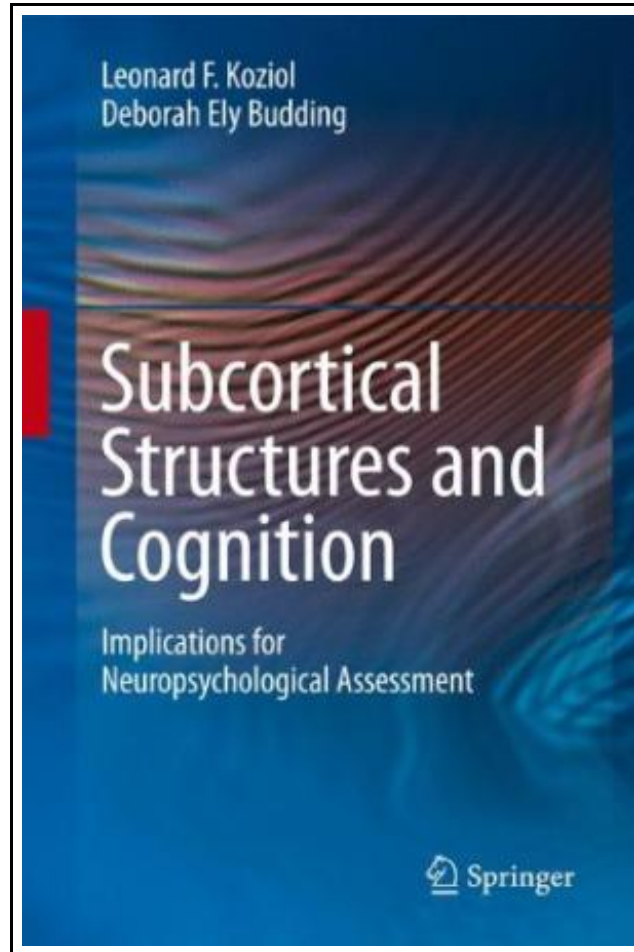


Subcortical Structures and Cognition (Hardback)



Filesize: 1.33 MB

Reviews

The ebook is simple in go through better to fully grasp. It is actually rally exciting throgh reading through period. It is extremely difficult to leave it before concluding, once you begin to read the book.
(Alexander Jacobi)

SUBCORTICAL STRUCTURES AND COGNITION (HARDBACK)



To get **Subcortical Structures and Cognition (Hardback)** eBook, please refer to the web link beneath and download the file or have accessibility to additional information which are relevant to SUBCORTICAL STRUCTURES AND COGNITION (HARDBACK) book.

Springer-Verlag New York Inc., United States, 2009. Hardback. Book Condition: New. 234 x 160 mm. Language: English . Brand New Book. Clinical psychologists and neuropsychologists are traditionally taught that cognition is mediated by the cortex and that subcortical brain regions mediate the coordination of movement. However, this argument can easily be challenged based upon the anatomic organization of the brain. The relationship between the prefrontal cortex/frontal lobes and basal ganglia is characterized by loops from these anterior brain regions to the striatum, the globus pallidus, and the thalamus, and then back to the frontal cortex. There is also a cerebrocerebellar system defined by projections from the cerebral cortex to the pontine nuclei, to the cerebellar cortex and deep cerebellar nuclei, to the red nucleus and then back to thalamus and cerebral cortex, including all regions of the frontal lobes. Therefore, both the cortical-striatal and cortical-cerebellar projections are anatomically defined as re-entrant systems that are obviously in a position to influence not only motor behavior, but also cognition and affect. This represents overwhelming evidence based upon neuroanatomy alone that subcortical regions play a role in cognition. The first half of this book defines the functional neuroanatomy of cortical-subcortical circuitries and establishes that since structure is related to function, what the basal ganglia and cerebellum do for movement they also do for cognition and emotion. The second half of the book examines neuropsychological assessment. Patients with lesions restricted to the cerebellum and/or basal ganglia have been described as exhibiting a variety of cognitive deficits on neuropsychological tests. Numerous investigations have demonstrated that higher-level cognitive functions such as attention, executive functioning, language, visuospatial processing, and learning and memory are affected by subcortical pathologies. There is also considerable evidence that the basal ganglia and cerebellum play a critical role in the regulation of affect...



[Read Subcortical Structures and Cognition \(Hardback\) Online](#)



[Download PDF Subcortical Structures and Cognition \(Hardback\)](#)

Relevant PDFs



[PDF] I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book (Paperback)

Access the web link beneath to get "I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book (Paperback)" file.

[Save Document »](#)



[PDF] Read Write Inc. Phonics: Blue Set 6 Storybook 9 a Box Full of Light (Paperback)

Access the web link beneath to get "Read Write Inc. Phonics: Blue Set 6 Storybook 9 a Box Full of Light (Paperback)" file.

[Save Document »](#)



[PDF] Oxford Very First Dictionary (Paperback)

Access the web link beneath to get "Oxford Very First Dictionary (Paperback)" file.

[Save Document »](#)



[PDF] Oxford First Illustrated Maths Dictionary (Paperback)

Access the web link beneath to get "Oxford First Illustrated Maths Dictionary (Paperback)" file.

[Save Document »](#)



[PDF] Read Write Inc. Phonics: Grey Set 7 Non-Fiction 2 a Flight to New York (Paperback)

Access the web link beneath to get "Read Write Inc. Phonics: Grey Set 7 Non-Fiction 2 a Flight to New York (Paperback)" file.

[Save Document »](#)



[PDF] The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)

Access the web link beneath to get "The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)" file.

[Save Document »](#)