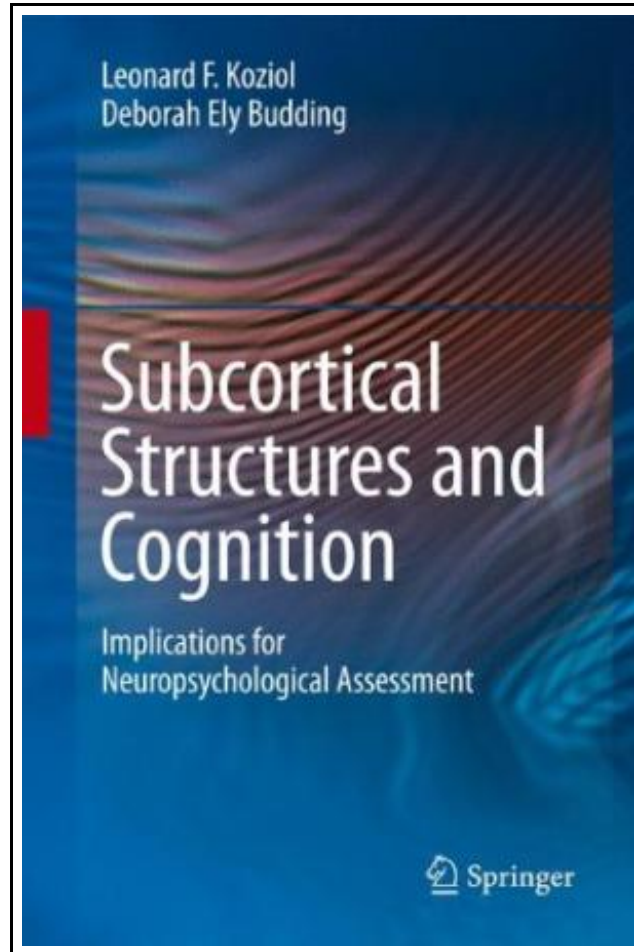


Subcortical Structures and Cognition (Hardback)



Filesize: 3.16 MB

Reviews

A brand new eBook with a brand new standpoint. It can be rally fascinating throgh reading through time. I am happy to let you know that this is the greatest ebook i have go through within my very own daily life and can be he best book for at any time.

(Leanne Cremin)

SUBCORTICAL STRUCTURES AND COGNITION (HARDBACK)



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 \(Hardback\)](#)

You May Also Like



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

Heinemann Educational Books, United States, 2015. Paperback. Book Condition: New. 234 x 185 mm. Language: English . Brand New Book. It s vital that we support young children s reading in ways that nurture healthy...

[Save ePub »](#)



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

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. Tim Archbold (illustrator). 194 x 160 mm. Language: N/A. Brand New Book. These engaging Storybooks provide structured practice for children learning to read the Read...

[Save ePub »](#)



Oxford Very First Dictionary (Paperback)

Oxford University Press, United Kingdom, 2012. Paperback. Book Condition: New. Georgie Birkett (illustrator). 234 x 182 mm. Language: English . Brand New Book. A fully illustrated alphabetical first dictionary for 4-5 year-olds. A fresh new...

[Save ePub »](#)



Oxford First Illustrated Maths Dictionary (Paperback)

Oxford University Press, United Kingdom, 2013. Paperback. Book Condition: New. 234 x 180 mm. Language: English . Brand New Book. The Oxford First Illustrated Maths Dictionary supports the curriculum and gives your child a head...

[Save ePub »](#)



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

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 213 x 98 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books...

[Save ePub »](#)