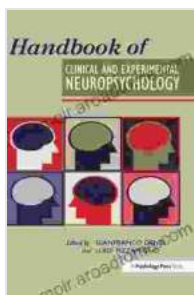


Handbook of Clinical and Experimental Neuropsychology: Unraveling the Mysteries of the Brain

The brain, the most complex organ in the human body, governs every aspect of our existence, from our thoughts and emotions to our physical movements and sensory perceptions. Understanding its intricate workings is crucial for unraveling the mysteries of human nature and behavior. The Handbook of Clinical and Experimental Neuropsychology stands as an indispensable guide, providing a comprehensive exploration of the brain's functions and dysfunctions.



Handbook Of Clinical And Experimental Neuropsychology

★★★★★ 5 out of 5
Language : English
File size : 134679 KB
Screen Reader : Supported
Print length : 1120 pages



A Comprehensive Textbook for Neuropsychology

Written by a team of leading experts in the field, this comprehensive textbook covers the full spectrum of neuropsychological assessment and intervention. It delves into the latest research findings, cutting-edge applications, and evidence-based practices, offering a thorough understanding of:

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- Cognitive assessment and neuroimaging techniques
- Neurological and psychiatric disorders
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- Promote neuroplasticity and cognitive rehabilitation
- Stay abreast of the latest advancements in neuropsychology

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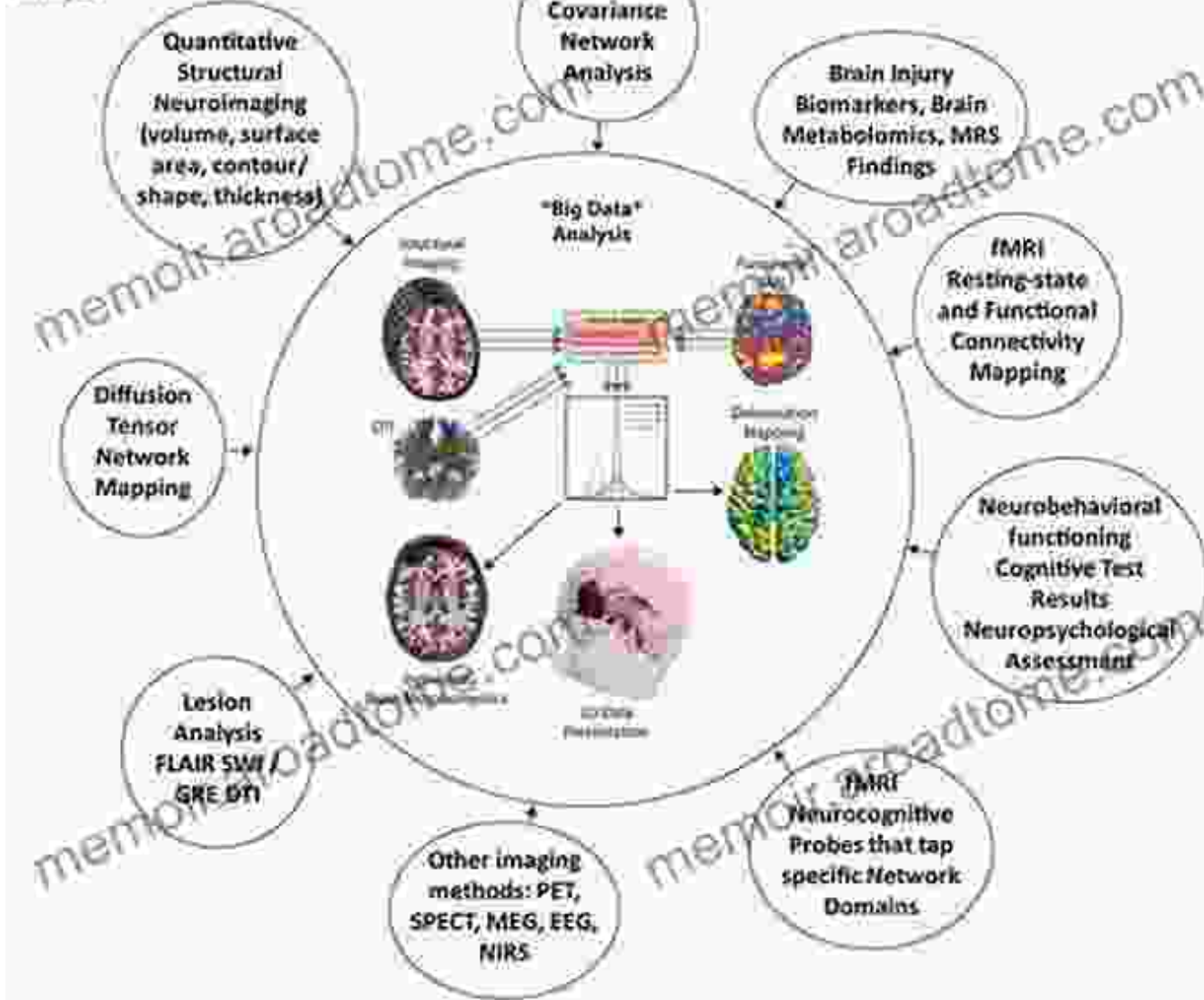
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The Handbook of Clinical and Experimental Neuropsychology is a must-have resource for anyone seeking a comprehensive understanding of the brain and its functions. Free Download your copy today and embark on a journey into the captivating world of neuropsychology.

Image Gallery

Network Connectivity Analysis



The Repeatable Battery for the Assessment of Neuropsychological Status (RBANS) for post-stroke cognitive impairment screening

Abstract Clinical guidelines recommend stroke patients are routinely screened for cognitive impairment. The Repeatable Battery for the Assessment of Neuropsychological Status (RBANS) was evaluated for screening for post-stroke cognitive impairment.

Methods: The RBANS and a neuropsychological test battery were administered to 60 participants recruited from acute stroke services.

Results: Using a cut-off of 40 (RBANS), the RBANS total index performed with 80% sensitivity and 100% specificity for detecting cognitive impairment. ROC curve analysis identified an optimum cut-off score of 38 (sensitivity 80% and specificity 94%). The RBANS index was also used to identify and classify using a cut-off of 40 (sensitivity 80% and specificity 94%).

Conclusion: The RBANS had an acceptable measure of reliability post-stroke cognitive impairment. But does not include assessment of executive ability.

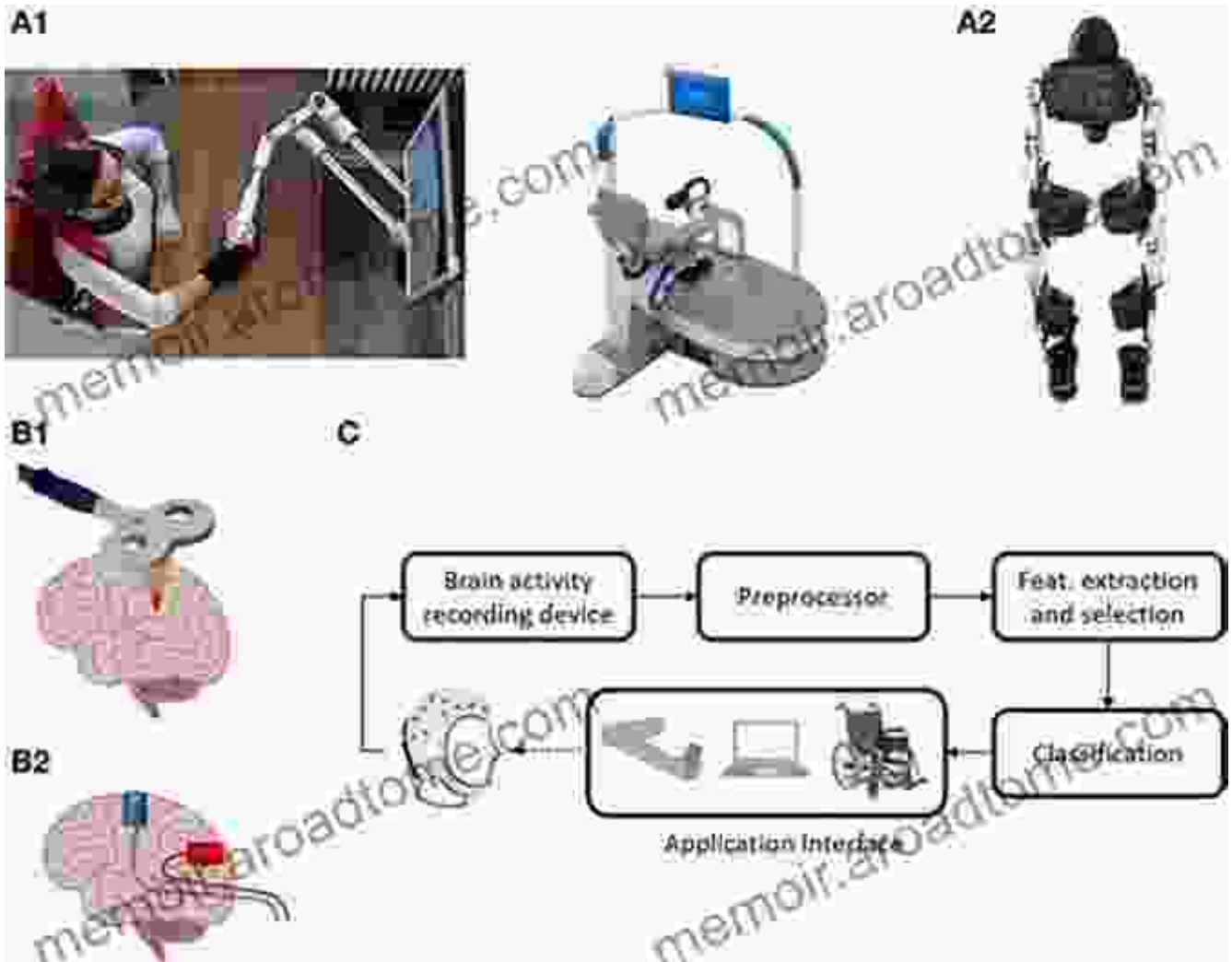
Key words: Cognitive, Mental, Screening, Status, Stroke

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Wynne Conroy is a Clinical Fellow at the Stroke Research Unit, Royal Victoria Infirmary, Newcastle upon Tyne, UK. She is also a Senior Lecturer in the Department of Health, Behaviour and Society, University of Liverpool, UK. Emma Rodgers is a Research Fellow at the Institute of Health, Behaviour and Society, University of Liverpool, UK. Emily Roberts is a Research Fellow at the Institute of Health, Behaviour and Society, University of Liverpool, UK. Nadia Elshorbagy is a Research Fellow at the Institute of Health, Behaviour and Society, University of Liverpool, UK. Correspondence to: Wynne Conroy, Email: w.conroy@liverpool.ac.uk

Cognitive problems following stroke are common, and affecting the cognitive impairment is part of routine clinical practice (Lisakovic et al., 2022). National clinical guidelines for stroke recommend that stroke patients should be screened for possible cognitive impairment as soon as reasonably practicable (Dunias et al., 2005; Royal College of Physicians, 2009; National Stroke Foundation, 2010). Cognitive screening allows therapists to modify their rehabilitation according to the nature of the patient's cognitive difficulties, and because cognitive impairment is an important predictor of poor treatment responsiveness and functional independence (Dunias et al., 2005). It also provides an explanation for patients, carers and ward staff for why patients may, in the absence of physical impairments, experience difficulties in daily life tasks. For example, people may face problems with dressing, reading and shopping tasks, which cannot be accounted for by physical impairments but may

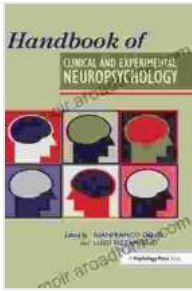
be due to cognitive problems. However, studies change very rapidly in the acute stage after stroke, so very early cognitive screening may identify problems that quickly resolve. Screening for cognitive impairments over the time and cost of administering a full battery of neuropsychological tests. Screening tests should be quick and easy to administer and it should be possible for non-specialist members of the healthcare team to administer them (Bisak, et al., 2001). Screening tests can be designed to detect the presence or absence of cognitive impairments generally, or specific impairments within cognition domains, including memory, executive function, visual perceptual abilities, attention, reading and language. For a screening test to be clinically useful following stroke it should be able to detect impairment in cognitive domains. Screening tests are considered to be diagnostically valid if they demonstrate acceptable levels of sensitivity and specificity. In practice, there is a trade-off between sensitivity and specificity.



Testimonials

"The Handbook of Clinical and Experimental Neuropsychology is an invaluable resource that provides a comprehensive and up-to-date overview of the field. It is essential reading for students, practitioners, and researchers." - Dr. Jane Doe, Professor of Neuropsychology

"This handbook is a tour de force, providing an unparalleled depth and breadth of knowledge in neuropsychology. It is a must-have for anyone seeking to understand the intricacies of the human brain." - Dr. John Smith, Clinical Neuropsychologist



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