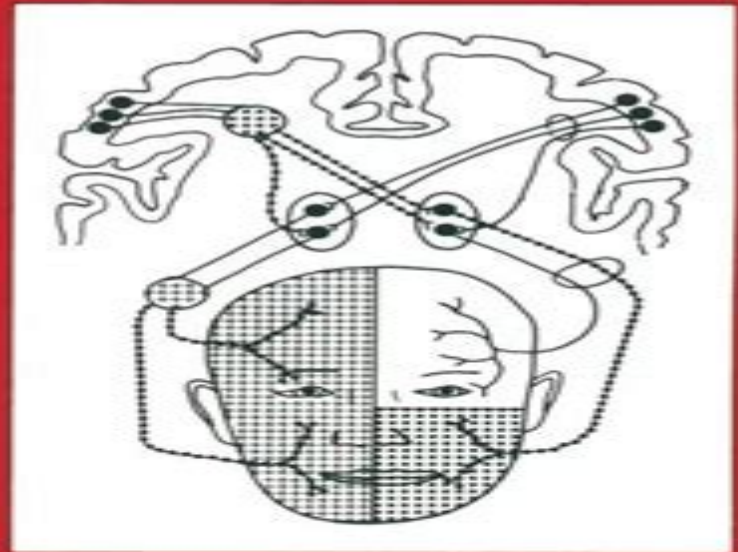


ACQUIRED SPEECH AND LANGUAGE DISORDERS

A neuroanatomical
and functional
neurological
approach



B.E. Murdoch



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Acquired Speech And Language Disorders A Neuroanatomical And Functional Neurological Approach

Victor J. Boucher



Acquired Speech And Language Disorders A Neuroanatomical And Functional Neurological Approach:

Acquired Speech and Language Disorders B. E. Murdoch, 2013-11-11 The stimulus for writing this book arose from the author's perception of a lack of available texts which adequately integrate the subjects of neuroanatomy and functional neurology with the practice of speech language pathology. This perception was gained from almost two decades of teaching in the areas of neuroanatomy and acquired neurological speech language disorders to speech pathology students initially at the South Australian College of Advanced Education and for the past five years at the University of Queensland. Although a plethora of excellent texts devoted specifically to each of the subjects of neuroanatomy, neurology, and aphasiology have been published, few have attempted to integrate these individual subject areas in such a way as to provide a more clear understanding of the neurological bases of clinically recognized forms of aphasia and motor speech disorders. In writing this text, I have attempted to provide a better balance between neuroanatomy, neurology, and speech language pathology. Relevant areas of neuroanatomy and neurology are introduced and discussed in the context of specific speech and language disorders. In this way, I have aimed at providing a better link between the relevant neuroanatomical and neurological knowledge on the one hand and specific neurologically based communication disorders on the other in order to enhance the reader's understanding of the origins, course, and prognosis of these disorders. Of course, the writing of any book requires the support and encouragement of other people. This text was no exception.

Acquired Speech and Language Disorders Bruce E. Murdoch, 2013-05-20 It is vital to have knowledge of the neuroanatomical structures and functional neurological mechanisms which are disrupted in neurogenic speech language disorders in order to understand the speech language deficits themselves. This book provides a comprehensive coverage of the neurological basis of both the clinically recognised forms of aphasia and the various motor speech disorders in both children and adults. It also covers more recently recognised language disorders such as Parkinson's and related diseases, right hemisphere damage, closed head injury, dementia, etc. This is a perfect text for practitioners who need to understand the integration of neuroanatomy and functional neurology with the practice of speech language pathology.

Brain-Based Communication Disorders Leonard L. LaPointe, Bruce E. Murdoch, Julie A. G. Stierwalt, 2010-07-01 *Brain Based Communication Disorders* introduces the reader to the major clinically recognized types of acquired speech language, cognitive, and swallowing disorders encountered by clinicians working with child and adult neurological cases. The text provides contemporary and state-of-the-art content on these disorders in terms of their neuropathological bases, clinical symptomatology, and prognosis. Basic anatomy and physiology of human communication and swallowing is introduced, as well as the neural mechanisms controlling speech language, cognitive, and swallowing functions. In addition to the traditional acquired speech language disorders of the nervous system, aphasia, neuromotor speech disorders, content including communication impairments caused by traumatic brain injury, multisystem blast injuries, and degenerative disorders of the nervous system is also provided. The reader is also introduced to the principles that govern the assessment

and treatment for both pediatric and adult populations **Speech and Language Disorders Associated with Subcortical Pathology** Bruce E. Murdoch, 2009-03-25 This book provides comprehensive coverage of speech and language disorders arising from pathological processes involving the subcortical structures of the brain. It gives an understanding of these disorders in terms of their neuropathological basis, clinical symptomatology and prognosis. A full discussion of contemporary models and theories of subcortical participation in speech and language processing is given, including discussion of the possible roles of structures such as the basal ganglia, subthalamic nucleus, thalamus and cerebellum. The book covers speech and language disorders associated with a variety of subcortical conditions ranging from major degenerative conditions such as Parkinson's Disease, Huntington's chorea and dystonia through to acquired non-degenerative subcortical lesions arising from, for example, cerebrovascular accidents and stereotactically surgically induced lesions. In addition, a full description of the relevant assessment and treatment procedures currently recommended for use for each of the subcortical communication disorders is given. Handbook of Acquired Communication Disorders in Childhood B. E. Murdoch, 2011-03-01

Handbook of Neurolinguistics Harry A. Whitaker, Brigitte Stemmer, 1998-02-04 The Handbook of Neurolinguistics is a state-of-the-art reference and resource book; it describes current research and theory in the many subfields of neurolinguistics and its clinical application. Thorough and clearly written, the handbook provides an excellent overview of the field of neurolinguistics and its development. The book is organized into five parts covering the history of neurolinguistics, methods in clinical and experimental neurolinguistics, experimental neurolinguistics, clinical neurolinguistics, and resources in neurolinguistics. The first four parts contain a wide range of topics which discuss all important aspects of the many subfields of neurolinguistics. Also included are the relatively new and fast-developing areas of research in discourse pragmatics and recent neuroimaging techniques. The resources section provides currently available resources both traditional and modern. The handbook is useful to the newcomer to the field as well as the expert searching for the latest developments in neurolinguistics. Clearly written and well organized. Provides extensive resources. Discusses both history and current research. Covers the many subfields of neurolinguistics as well as the developing areas of research. **Neuroanatomy** Adam Fisch, 2012-04-03 If you can't draw it, you don't know it—that was the rule of the late neuroanatomist William DeMyer MD. Yet books do not encourage us to draw and redraw neuroanatomy. This book teaches neuroanatomy through step-by-step instruction of how to draw neuroanatomical pathways and structures. Its instructive language is highly engaging. Users draw neuroanatomical structures and pathways in several steps so they are remembered and use mental and physical mnemonics to demonstrate difficult anatomical rotations and directional pathways. Many neuroanatomy textbooks are great references but fail to provide a working knowledge of neuroanatomy, and many neuroanatomy handbooks provide bedside pearls but are too concise to be fully satisfactory. This instructional workbook teaches a comprehensive but practical approach to neuroanatomy; it includes references where necessary but steers users toward key clinical features. **Brain Injury**

Medicine David B. Arciniegas, M. Ross Bullock, Douglas I. Katz, Jeffrey S. Kreutzer, Ross D. Zafonte, Nathan D. Zasler, 2012-08-27 Brain Injury Medicine which includes free ebook access with every print purchase is a clear and comprehensive guide to all aspects of the management of traumatic brain injury from early diagnosis and evaluation through the post acute period and rehabilitation An essential reference for physicians and other health care professionals who work with patients with brain injury the book focuses on assessment and treatment of the wider variety of clinical problems these patients face and addresses many associated concerns such as epidemiology ethical issues legal issues and life care planning Written by over 190 acknowledged leaders the text covers the full spectrum of the practice of brain injury medicine including principles of neural recovery neuroimaging and neurodiagnostic testing prognosis and outcome acute care rehabilitation treatment of specific populations neurologic and other medical problems following injury cognitive and behavioral problems post trauma pain disorders pharmacologic and alternative treatments and community reentry and productivity Brain Injury Medicine 2nd Edition Features The acknowledged gold standard reference brings together knowledge experience and evidence based medicine Comprehensive and current completely revised updated and expanded to include emerging topics and the latest clinical and research advances Multi disciplinary focus expert authorship from a wide range of specialties promotes a holistic team approach to a complex many faceted condition Covers the entire continuum of care from early diagnosis and assessment through acute management rehabilitation associated medical and quality of life issues and functional outcomes New to the Second Edition Three new Associate Editors from related disciplines provide added expertise Five new sections acute rehabilitative care pediatric TBI special senses autonomic and other organ system problems post trauma pain disorders 25 new chapters running the gamut from health policy to biomechanics to military TBI to pediatric issues and more Print Digital Access Purchase price includes enhanced e book containing the complete and fully searchable text plus additional digital only content

Neuroanatomy Adam J. Fisch, 2017-08-11 Neuroanatomy Draw It to Know It Third Edition teaches neuroanatomy in a purely kinesthetic way In using this book the reader draws each neuroanatomical pathway and structure and in the process creates memorable and reproducible schematics for the various learning points in Neuroanatomy in a hands on enjoyable and highly effective manner In addition to this unique method Neuroanatomy Draw It to Know It also provides a remarkable repository of reference materials including numerous anatomic and radiographic brain images and illustrations from many other classic texts to enhance the learning experience In the third edition of this now classic text the author completely reorganized the book based on user feedback taking a more intuitive and easy to use approach For the first time the illustrations are in full color No other text in neuroanatomy engages the reader in as direct a manner as this book and none covers the advanced level of detail found while retaining the simplistic approach to the learning which has become the cornerstone of the text Neuroanatomy Draw It to Know It is singular in its ability to engage and instruct without overwhelming any level of neuroanatomy student

Acute Stroke Nursing Jane Williams, Lin

Perry, Caroline Watkins, 2013-05-07 Stroke is a medical emergency that requires immediate medical attention. With active and efficient nursing management in the initial hours after stroke onset and throughout subsequent care, effective recovery and rehabilitation is increased. *Acute Stroke Nursing* provides an evidence-based practical text facilitating the provision of optimal stroke care during the primary prevention, acute and continuing care phases. This timely and comprehensive text is structured to follow the acute stroke pathway experienced by patients. It explores the causes, symptoms and effects of stroke and provides guidance on issues such as nutrition, continence, positioning, mobility and carer support. The text also considers rehabilitation, discharge planning, palliative care and the role of the nurse within the multi-professional team. *Acute Stroke Nursing* is the definitive reference on acute stroke for all nurses and healthcare professionals wishing to extend their knowledge of stroke nursing. Evidence-based and practical in style, with case studies and practice examples throughout. Edited and authored by recognised stroke nursing experts, clinicians and leaders in the field of nursing practice, research and education. The first text to explore stroke management from UK and international perspectives and with a nursing focus.

Communication Difficulties in Childhood James Law, Alison Parkinson, Rashmin Tamhne, 2017-11-22 For the vast majority of children, acquiring speech and language skills is an effortless process. However, there is a sizeable proportion of children for whom this is not true. Difficulties they experience may be associated with other conditions such as cleft palate or hearing loss, or they may have no obvious cause. This book provides a comprehensive picture of the difficulties that occur when speech and language does not develop in the young child. Divided into two sections, the first focuses on how such children should be identified and assessed. The second section provides specific insights into communication difficulties in different conditions. Each is written by an expert practitioner and is illustrated with specific examples. Based on best clinical practice and research-based evidence, it is a practical guide, fully referenced, for those who wish to develop knowledge further. It is essential reading for all professionals who work with children, particularly those who work in community settings.

Clinical Aphasiology Martin Ball, Jack Damico, 2007-06-11 This book presents a collection of cutting-edge work from leading researchers and clinicians around the world on a range of topics within Clinical Aphasiology. However, more than this, the volume is also a tribute to Chris Code, one of the foremost scholars in the field. Professor Code has made a galvanizing impact on the field as a savant, a motivator and an impresario of trends which have resulted in several significant developments in the field. In the first chapter of this book, the editors outline the considerable contributions Chris Code has made to the area. The remaining contents have been divided into three main approaches to the study of aphasia, reflecting Professor Code's own interests. First are the contributions that fall under the heading of Conceptual Considerations. These are mainly interdisciplinary in nature, spanning linguistics, phonetics, psychology and neurology, as well as social aspects of communication disorders. The second section of the book deals with Research Considerations, with chapters ranging from how the study of disrupted communication can inform models of normal language processing through tone production and

processing in speakers with aphasia to anomia and progressive multifocal leukoencephalopathy Each of these chapters explores different aspects of research methodology including quantitative and qualitative research The final section of the collection deals with Clinical Considerations the chapters here cover counselling computerized training cultural and linguistic diversity in aphasia right hemisphere disorders and communication problems in the dementias Clinical Aphasiology will be an invaluable tool for both students and practitioners in speech and language pathology psychology neurology and related fields The Communication Disorders Workbook Louise Cummings,2014-04-10 Contains questions and exercises which examine all aspects of communication disorders and give readers practice at analysing clinical linguistic data

Human Behavior, Learning, and the Developing Brain Donna Coch,Geraldine Dawson,Kurt W. Fischer,2010-06-15 Thoroughly examining brain behavior relationships in atypically developing children this important volume integrates theories and data from multiple disciplines Leading authorities present research on specific clinical problems including autism Williams syndrome learning and language disabilities ADHD and issues facing infants of diabetic mothers In addition the effects of social stress and maltreatment on brain development and behavior are reviewed Demonstrating the uses of cutting edge methods from developmental neuroscience developmental psychology and cognitive science the contributors emphasize the implications of their findings for real world educational and clinical practices Illustrations include eight pages in full color This book will be important reading for practitioners and researchers in developmental and cognitive neuroscience neuropsychology developmental psychology clinical psychology education and psychiatry also of interest to advanced students It will also serve as a text in graduate level courses on learning and the brain developmental and cognitive neuroscience neurodevelopmental disorders and related topics **Cognitive Rehabilitation Therapy for Traumatic Brain Injury** Jennifer A. Ostergren,2017-11-17 Cognitive Rehabilitation Therapy for Traumatic Brain Injury A Guide for Speech Language Pathologists is designed for speech language pathologists SLPs treating adults with cognitive communicative impairments following traumatic brain injury TBI Cognitive impairments are one of the cardinal features of TBI affecting communication and activities of daily living This book integrates scientific information into a user friendly and practical application tool for practicing SLPs and students in training to become SLPs Section I contains chapters that serve as background for understanding the treatment of TBI Included are chapters addressing mechanisms of injury neuropathology recovery patterns and applicable classification and outcome measures following TBI An overview of cognitive communicative impairments is also included as are sections devoted to common compounding and concomitant conditions that impact individuals with TBI and their rehabilitation Section I also contains chapters describing the rehabilitation process following TBI from the broader landscape of interdisciplinary and patient centered rehabilitation and specific to cognitive rehabilitation treatment CRT for adults with TBI Section II contains chapters devoted to describing CRT in the areas of attention and information processing speed impairments memory executive function and awareness and social

communication Chapters in section II focus on treatment approaches that have an established base described in a clinically useable format Each chapter includes a summary of the research evidence recommended candidates and background on a specific treatment approach They also include a section devoted to Treatment in Action designed to explain applicable steps procedures and needed materials for implementation of a specific approach Charts figures tables and appendices are also included to facilitate the use of a specific approach Cognitive Rehabilitation Therapy for Traumatic Brain Injury can serve as a supplemental textbook for graduate courses on neurologic communication disorders It is also a valuable resource for students during clinical practicum with adults with TBI This book is also a professional resource that summarizes information in a way that is applicable to practicing SLPs who work with adults with TBI and their families Dysarthria B. E. Murdoch,1998 Analysis of Neurogenic Disordered Discourse Production Anthony Pak-Hin Kong,2016-03-10 Analysis of Neurogenic Disordered Discourse Production provides a comprehensive review and discussion of aphasia and its related disorders their corresponding clinical discourse symptoms that speech language pathologists and related healthcare professionals should address and the different methods of discourse elicitation that are research and clinically oriented Contemporary issues related to disordered clinical discourse production are covered and discussions of various treatment options in relation to discourse symptoms are included Finally the manifestation of discourse symptoms as a function of speakers bilingual multilingual status and specific considerations related to clinical assessment and intervention are explored Readers who want to learn the background and techniques of discourse analysis refresh their knowledge of discourse production update their knowledge of assessment and treatment of discourse production and learn about contemporary issues of discourse annotation and analysis using existing computer software will find this book a valuable tool With its comprehensive coverage it offers a thorough understanding of the nature assessment and remediation of discourse deficits in aphasia and related disorders Readers will also benefit from examples throughout the book that connect theory to real life contexts of discourse production *Aphasia and Related Neurogenic Communication Disorders* Ilias Papathanasiou,Patrick Coppens,Constantin Potagas,2011-11-11 This book covers topics in aphasia motor speech disorders and dementia Organized by symptom rather than syndrome this text provides a foundation for understanding the disorders and learning how to apply basic theory to clinical practice in the development of rehabilitation objectives This texts applies a clinical integration of the psychosocial with the neuropsychological approach in adult language rehabilitation Written by international authorities in the field of aphasia and related communication disorders and based on the ICF framework this unique text features diverse contribution covering global issues **Pragmatic and Discourse Disorders** Louise Cummings,2015-10 Questions and exercises on the full range of pragmatic and discourse disorders allow readers to develop and test their understanding **The Study of Speech Processes** Victor J. Boucher,2021-01-21 By upending traditional perspectives this book gives a biologically grounded understanding of how spoken language conveys meaning

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