Cognitive Rehabilitation Therapy For Traumatic Brain Injury Model Study Protocols And Frameworks To Advance The

Originally published in 1990, this book constitutes an objective evaluation of different cognitive rehabilitation techniques in relation to different types of brain injury at different stages of recovery. Various forms of cognitive rehabilitation are reviewed and clinical techniques are evaluated on the basis of their ability to restore functional independence or produce behaviour change, and improve aspects of cognitive ability.

Now available in paperback, this updated new edition summarizes the latest developments in cognitive neuroscience related to rehabilitation, reviews the principles of successful interventions and synthesizes new findings about the rehabilitation of cognitive changes in a variety of populations. With greatly expanded sections on treatment and the role of imaging, it provides a comprehensive reference for those interested in the science, as well as including the most up-to-date information for the practising clinician. It provides clear and practical guidance on why cognitive rehabilitation may or may not work. How to use imaging methods to evaluate the efficacy of interventions. What personal and external factors impact rehabilitation success. How biological and psychopharmacological changes can be understood and treated. How to treat different disorders of language and memory, and where the field is going in research and clinical application.

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

For almost three decades, Elliot Cole and the Institute for Cognitive Prosthetics have explored ways that Human-Computer Interaction (HCI) can help people with cognitive disabilities. This long-term commitment to traumatic brain injury has led to high payoffs in domain knowledge,
design methodologies, and clinical outcomes. Of particular importance is the ability of Computer-Based Cognitive Prosthetics to achieve an increase in cognitive abilities among individuals who have enduring cognitive deficits; this represents a partial cure. This book is a primer for the unique methods and techniques used to develop cognitive prosthetic software, to use that software in therapy, and to work with therapists and patients. Particularly useful for the HCI student and researcher is an Appendix with definitions of 300 cognitive terms and dimensions. The book summarizes in one place the Institute's work, which is found in clinical, rehabilitation engineering, and computer science proceedings and journals. This book will offer the HCI community insights into cognitive disabilities generally, with seventeen case studies involving individuals with TBI, stroke, anoxia, brain cancer, organic solvent exposure, early-onset dementia, and a high school student with reading disabilities. Patient-Centered Design evolved as a design methodology for scenarios where the clinical therapy setting becomes a significant factor in the personalization of applications for a patient. The user interface has been found to be the most sensitive design area. Surprisingly, the cognitively disabled user is able to make key contributions to their own UIs, especially in fine-tuning the UIs. This sensitive book provides a much-needed compilation and description of OT programs for the care of individuals disabled by traumatic brain injury (TBI). Focusing on the disabled individual, the family, and the societal responses to the injured, this comprehensive book covers the spectrum of available services from intensive care to transitional and community living. Both theoretical approaches to the problems of brain injury as well as practical treatment techniques are explored in Occupational Therapy Approaches to Traumatic Brain Injury. The processes of assessment and intervention are vital to the recovery of brain-injured patients and this thorough book devotes two chapters specifically to assessment and several chapters on intervention and family involvement. This useful volume contains information about rehabilitation from 'coma to community,' as well as numerous other approaches. The findings and treatment suggestions presented here are applicable to many helping professionals working with TBI patients. Health care practitioners working with brain injured persons and their families in both institutional and community contexts, physical therapists, physicians, nurses, and psychologists and social workers involved with assessment will find this an invaluable addition to their professional references. Musical improvisation is an increasingly recognised rehabilitative therapy for people who have experienced traumatic brain injury initially thought to be 'unreachable' or `non-responsive'. Music Therapy and Traumatic Brain Injury demonstrates how music therapy can be used to attend to the holistic, rather than purely functional, needs of people affected by severe head trauma. Divided into three parts, the first section provides an introduction to the effects brain injury has on a person's livelihood. The second is a comprehensive review of available literature on the use of music therapy in the neurorehabilitative setting. The final section examines three case studies designed according to 'therapeutic narrative analysis', an adaptive research method that uses interviewing and video, which focuses on the unique relationship between the professional and the patient. This book will give clinicians key notes for practice and a vision of the integral role music therapy can have in the successful rehabilitation from brain injury. Patients with brain tumor-related epilepsy (BTRE) suffer from two serious pathologies simultaneously – a brain tumor and a secondary form of epilepsy. Although there has been remarkable progress in BTRE research in recent years, it remains an on-going challenge for clinicians and continues to stimulate much debate in the scientific community. This volume is the first to be completely dedicated to BTRE, and in doing so it explores issues faced by the health care team as well as some of the novel and promising directions that future research may take. Epilepsy and Brain Tumors is not only a complete reference on BTRE but also a practical guide based on clinical experiences, with a comprehensive collection of presentations from international experts who share some of the latest discoveries and their approaches to
tackling a wide range of difficult and complex issues. Includes coverage of epidemiology, pathology and treatment of both primary and metastatic brain tumors Offers additional insight into supportive care, incidence in children, focal epileptogenesis, clinical evaluation, antiepileptic drugs, surgical treatment, cognitive rehabilitation, and more Chapters authored and edited by leaders in the field around the globe – the broadest, most expert coverage available

The Life Participation Approach to Aphasia (LPAA) is an evolutionary change in the way practitioners view aphasia intervention. By focusing on meeting the needs of individuals affected by aphasia, LPAA can produce real, meaningful enhancement to the quality of life. Neurogenic Communication Disorders and the Life Participation Approach: The Social Imperative in Supporting Individuals and Families breaks down the past, present, and future of the LPAA movement with contributions from a range of new and experienced practitioners. In addition, this text provides a roadmap for professionals interested in incorporating person-centered intervention for aphasia and other neurogenic communication disorders, including primary progressive aphasia, dementia, and traumatic brain injury. Within this book, clinicians will find tips, tools, and guidance for integrating a life participation approach into their practice, as well as first-hand descriptions of the positive benefits this approach can have for those living with neurogenic communication disorders.

In this book, some of the leading clinicians and cognitive neuroscientists consider the effectiveness of cognitive rehabilitation. They situate the issues within an overall context that considers the different types and levels of diagnosis and assessment, the adequacy of underlying cognitive theory for rehabilitation, and more importantly, the clinical effectiveness of current treatments to improve functional recovery. By employing an evidence-based approach that critically evaluates the published literature, the book provides for a better understanding of the strengths and limitations of the cognitive approach and hopefully a more realistic expectation of its outcome for patients with neurological deficits. The book will serve as a valuable source for a wide spectrum of professionals who deal with the neuropsychological and neurological effects of brain damage.

This report examines the evidence for effectiveness of rehabilitation methods at various phases in the course of recovery from traumatic brain injury in adults. Specifically, it addresses five questions about the effectiveness of: (1) early rehabilitation in the acute care setting, (2) intensity of acute inpatient rehabilitation, (3) cognitive rehabilitation, (4) supported employment, & (5) care coordination (case management). Abstracts of eligible articles were chosen through broad inclusion criteria. Also includes references; list of abbreviations; evidence tables; & extensive appendices. 12 charts & tables.

Packed with practical tools and examples, this state-of-the-art workbook provides a holistic framework for supporting clients with acquired brain injury. Clinicians are guided to set and meet collaborative treatment goals based on a shared understanding of the strengths and needs of clients and their family members. Effective strategies are described for building skills and teaching compensatory strategies in such areas as attention, memory, executive functions, mood, and communication. Particular attention is given to facilitating the challenging process of identity change following a life-altering injury. In a large-size format for easy photocopying, the volume features 94 reproducible client handouts. Purchasers get access to a Web page where they can download and print the reproducible materials.

Sohlberg and Mateer's landmark introductory text helped put cognitive rehabilitation on the map for a generation of clinicians,
readers, educators, and students. Now, more than a decade later, the discipline has come of age. This new volume provides a comprehensive overview of this fast-evolving field. More than a revised edition, the text reflects the dramatic impact of recent advances in neuroscience and computer technology, coupled with changes in service delivery models. The authors describe a broad range of clinical interventions for assisting persons with acquired cognitive impairments—including deficits in attention, memory, executive functions, and communication—and for managing associated emotional and behavioral issues. For each approach, theoretical underpinnings are reviewed in depth and clinical protocols delineated. Difficult concepts are explained in a clear, straightforward fashion, with realistic case examples bringing the material to life. Also included are samples of relevant assessment instruments, rating scales, and patient handouts. Throughout, the new volume emphasizes the need to work from a community perspective, providing a framework for forming collaborative partnerships with families and caregivers. It is an essential resource for professionals across a wide variety of rehabilitation specialties, and will serve as a text in courses on rehabilitation methods and neurogenic disorders.

Rehabilitation professionals face a key challenge when working with clients with acquired cognitive impairments: how to teach new skills to individuals who have difficulty learning. Unique in its focus, this book presents evidence-based instructional methods specifically designed to help this population learn more efficiently. The expert authors show how to develop, implement, and evaluate an individualized training plan. They provide practical guidelines for teaching multistep procedures, cognitive strategies, the use of external aids, and more. User-friendly features include 17 sample worksheets and forms; blank forms can be downloaded and printed in a convenient 8 1/2” x 11” size.

From a well-known authority, this comprehensive yet accessible book shows how state-of-the-art research can be applied to help people with nonprogressive memory disorders improve their functioning and quality of life. Barbara Wilson describes a broad range of interventions, including compensatory aids, learning strategies, and techniques for managing associated anxiety and stress. She reviews the evidence base for each clinical strategy or tool and offers expert guidance on how to assess patients, set treatment goals, develop individualized rehabilitation programs, and conduct memory groups. The book also provides essential background knowledge on the nature and causes of memory impairment.

In the last decade neuroscience has matured at a remarkable pace, shedding a far more exacting light on mechanisms of neurophysiology, pathophysiology of injury, neuroendocrinology, neuro-immunology, neuroplasticity, neuropharmacology and neurodegenerative processes. Individuals with acquired brain injury are treated earlier and now achieve far better recovery than in the past. The fourth edition of this text constitutes a continuation of 20 years of coverage of traumatic brain injury, and broadens the discussion of acquired brain injury. Within TBI, the paradigm shift from an injury occurring at a point in time to a disease entity of a chronic nature is changing the discussion of diagnosis, management, treatment and outcome assessment. Disease specification that differentiates TBIs by the mechanism of injury, the exact nature of the injury, the extent of injury, presence of co-morbidities and their exact nature, gender, age, race, and genome are emerging as crucial. There was a time when cancer was an...
undifferentiated disease. Disease differentiation has consequently impacted diagnosis, treatment and outcome. This text is intended to serve as a ready reference tool, contributing to the professional growth of each reader, and stimulating innovation and research. It also promotes the continued refinement in the management of diseases of acquired brain injury.

Traumatic brain injury (TBI) may affect 10 million people worldwide. It is considered the "signature wound" of the conflicts in Iraq and Afghanistan. These injuries result from a bump or blow to the head, or from external forces that cause the brain to move within the head, such as whiplash or exposure to blasts. TBI can cause an array of physical and mental health concerns and is a growing problem, particularly among soldiers and veterans because of repeated exposure to violent environments. One form of treatment for TBI is cognitive rehabilitation therapy (CRT), a patient-specific, goal-oriented approach to help patients increase their ability to process and interpret information. The Department of Defense asked the IOM to conduct a study to determine the effectiveness of CRT for treatment of TBI.

Translating Evidence-Based Recommendations into Practice is a significant contribution to the field of brain injury rehabilitation. Never before have research outcomes been so accessible for use in everyday clinical practice. The Manual -- all 150 pages, including clinical forms -- is a practical guide for the implementation of evidence-based interventions for impairments of executive functions, memory, attention, hemispatial neglect, and social communication.

The book begins with an explanation of the pathophysiology of closed head injury and its typical consequences, leads the reader through various clinical intervention and therapeutic techniques and concludes with re-integration to the family.

Assisting Survivors of Traumatic Brain Injury helps prepare graduate students and practicing speech-language pathologists to serve people with traumatic brain injury (TBI). The book is divided into three sections: Understanding Traumatic Brain Injury, Understanding the Role of Speech-Language Pathologists, and Understanding Reintegration. The first section provides an overview of TBI: definitions, epidemiology, injury severity, and mechanisms of injury. The second section deals with the major disorders associated with TBI for which speech-language pathologists assume diagnostic and intervention responsibility: coma and post-traumatic amnesia, cognitive-communication impairments, motor speech disorders, and swallowing disorders. The final section provides information about integrating survivors of TBI into family, educational, vocational, and community settings. This valuable tool is a must-have for all professionals who work with patients with TBI.
Research into the rehabilitation of individuals following Traumatic Brain Injury (TBI) in the past 15 years has resulted in greater understanding of the condition. The second edition of this book provides an updated guide for health professionals working with individuals recovering from TBI. Its uniquely clinical focus provides both comprehensive background information, and practical strategies for dealing with common problems with thinking, memory, communication, behaviour and emotional adjustment in both adults and children. The book addresses a wide range of challenges, from those which begin with impairment of consciousness, to those occurring for many years after injury, and presents strategies for maximising participation in all aspects of community life. The book will be of use to practising clinicians, students in health disciplines relevant to neurorehabilitation, and also to the families of individuals with traumatic brain injury.

This book clearly explains when and how different rehabilitation techniques should be applied in the aging patient, thereby enabling readers to identify and apply those rehabilitation strategies that will maximize quality of life and functional independence in individual cases. It is specifically designed for ease of consultation and rapid retrieval of the information most relevant to clinical practice. Prominence is given to the benefits of a multidisciplinary approach to rehabilitation, with discussion of a very wide range of aspects of rehabilitation in different disease settings. The breadth of coverage is illustrated by the attention paid to less commonly addressed topics such as visual and hearing rehabilitation, the role of robotics and 3D imaging techniques, variations in approach among health care systems, and rehabilitation in end-of-life care. The authors are international academic experts in their fields, guaranteeing a high scientific standard throughout. This manual will be an invaluable tool and source of knowledge for geriatricians and physiatrists but will also appeal to a wider range of clinicians, practitioners, and students.

Addressing the critical issues in community re-entry in a very practical manner, this book is suitable for all members of a community re-entry or brain-injury rehabilitation team. Traumatic Brain Injury Rehabilitation: Practical Vocational, Neuropsychological, and Psychotherapy Interventions provides innovative guidelines for allied health members of the traumatic brain injury rehabilitation team with information to help achieve more successful vocational and psychosocial outcomes. The book provides a very clear overview of critical components of neuropsychological information and the use of this information in vocational planning; examples of functional areas of cognition and neuropsychological assessment; the linkages between cognitive and behavioral impairments; the different categories of assistive technology; psychotherapy and behavioral interventions as well as successful vocational interventions; and, models of work access, including methods of supported employment, the development of a tailored job coaching program, and the specifics of utilizing natural supports. This book is useful to anyone involved in neurorehabilitation, vocational rehabilitation, rehab psychology, neuropsychology, and students in counseling programs or studying medical aspects of disability.

Traumatic brain injury (TBI) accounts for up to one-third of combat-related injuries in Iraq and Afghanistan, according to some estimates. TBI is also a major problem among civilians, especially those who engage in certain sports. At the request of the Department of Defense, the IOM examined the potential role of nutrition in the treatment of and resilience against TBI.
The Lefaivre Rainbow Effect is a groundbreaking treatment for those suffering from a traumatic brain injury (TBI). This strategy is different from most others because it is individually designed for each client and focuses on the cognitive retraining of the brain based on pre-injury lifestyle as well as the organic damage to the brain, rather than the disability alone. Starting in the community, after the acute and in-patient rehabilitation phases of recovery have been completed, the Lefaivre Rainbow Effect maximizes the recovery process by positioning the TBI survivor to be a motivated participant in the arduous journey of recovery. Key features:

- Provides tools and templates for managing the individualized treatment and integration process, including additional material available for download
- Addresses physical, emotional, and cognitive deficits with a strong influence on participation in life activities
- Includes the unique theory of the traumatically induced dysfunctional family, with the aim to preserve the family unit and reduce the overall loss for the survivor of brain injury
- Features a practical approach, including chapter summaries, case studies, diagrams, and templates
- Offers guidance on producing an Independent Medical Evaluation and preparing effectively for cross examination in recognition of the adversarial aspect of many TBI cases

Since the bestselling second edition was published almost a decade ago, the field of brain injury treatment has undergone tremendous change, largely impacting access to treatment. But, while the healthcare marketplace has evolved, the needs of brain injury victims remain the same. With updated and expanded clinical coverage, Traumatic Brain Injury: Rehabilitation, Treatment, and Case Management, Third Edition delineates a broad spectrum of advanced theoretical clinical constructs and detailed diagnostic and treatment interventions for traumatic brain injury. Details:

- Specific Diagnostic and Treatment Approaches for Nearly All Aspects of Dysfunction Observed Following Brain Injury
- With contributions from more than 50 authorities in both academia and industry, this highly respected text stands apart as a clinical guide to rehabilitative treatment of persons with traumatic brain injury following the acute phase of treatment. It provides a concise source of information about the scientific and therapeutic realms involved in the rehabilitation of a person with traumatic brain injury, specifically as they relate to persistent deficits.
- The book also details long-term consequences of brain injury and effective approaches to vocational rehabilitation and case management:
  - Widening coverage from the previous edition, this book includes details on: Metabolic and bioenergetic factors in brain injury
  - Neuroendocrine dysfunction following brain injury
  - Blast injury
  - Ethical issues in treatment of brain injury
  - Neuropharmacological and neuropsychological interventions following brain injury
  - Interventions for the minimally conscious patient
  - Dietary and exercise considerations after brain injury

Traumatic Brain Injury: Rehabilitation, Treatment, and Case Management, Third Edition is a complete source of pharmacological, anatomical, and physiological information for basic therapeutic rationales that are often not well understood in the field. It is an ideal reference for both new and experienced clinicians. While there are many excellent texts addressing cognitive impairment and behavioural difficulties and on rehabilitation associated with traumatic brain injury, few textbooks specifically address the most common emotional problems that can have such an
adverse effect on rehabilitation and outcome. Uniquely this book deals exclusively with the identification and psychotherapeutic management of mood and anxiety disorders after traumatic brain injury. Furthermore, a systematic approach to identifying and diagnosing anxiety and mood disorders is followed throughout the text. As well as providing an introduction to anxiety and mood disorders after traumatic brain injury, it provides a psychological perspective on their evolution and management. It is aimed at a range of professionals in training (or those responsible for providing training in psychopathology, neuropsychology and psychotherapy), as well as those who may have an interest in working with the type of patients with anxiety or depression, commonly seen in post-acute brain injury rehabilitation settings. Case studies, summaries and suggested references for further reading are used throughout to facilitate understanding and teaching where relevant.

Evolved from working with head injured groups at Headway and those attempting to return to work, this is a rich, comprehensive and photocopiable workbook for professionals, carers and clients. It contains over 140 cognitive rehabilitation exercises - tailored for memory, thinking skills, executive functions, awareness and insight, and emotional adjustment. It provides more than 40 information sheets on key problem areas, with questions for the reader, designed to educate and stimulate thinking and discussion. It is suitable for both individuals and groups. It includes questionnaires for clients to complete with or without help and quizzes to evaluate and encourage information retention. Primarily for professionals where exercises or handout sheets can be photocopied and used therapeutically, The Brain Injury Workbook can also be used by carers or family members to provide stimulating activities for a head-injured person. In addition, the head-injured person themselves can work through the book on their own.

A professional guide to evidence-based pediatric cognitive rehabilitation in neurological disorders with practical intervention guidance.

Covering the full spectrum of rehabilitation after traumatic brain injury, this practical reference by Drs. Blessen C. Eapen and David X. Cifu presents best practices and considerations for numerous patient populations and their unique needs. In an easy-to-read, concise format, it covers the key information you need to guide your treatment plans and help patients relearn critical life skills and regain their independence. Covers neuroimaging, neurosurgical and critical care management, management of associated complications after TBI, pharmacotherapy, pain management, sports concussion, assistive technologies, and preparing patients for community reintegration. Discusses special populations, including pediatric, geriatric, and military and veteran patients. Consolidates today's available information and guidance in this challenging and diverse area into one convenient resource.

In October 2011, the Institute of Medicine (IOM) released the report Cognitive Rehabilitation Therapy for Traumatic Brain Injury: Evaluating the Evidence, assessing the published evidence for the effectiveness of using cognitive rehabilitation therapy (CRT) to treat people with traumatic brain injury (TBI). TBI has gained increasing attention in the past 15 years because of its status as the signature wound of American military conflicts in Iraq and Afghanistan. Growing numbers of U.S. service members are suffering traumatic brain injuries and are surviving them, given that (a) the majority of traumatic brain injuries are mild and (b) lifesaving
measures for more severe injuries have significantly improved. People with any level of injury can require ongoing health care in their recovery, helping them to regain (or compensate for) their losses of function and supporting their full integration into their social structure and an improved quality of life. One form of treatment for TBI is CRT, a systematic, goal-oriented approach to helping patients overcome cognitive impairments. The Department of Defense (DoD) asked the IOM to evaluate CRT for traumatic brain injury in order to guide the DoD's use and coverage in the Military Health System. Cognitive Rehabilitation Therapy for Traumatic Brain Injury: Evaluating the Evidence was the IOM's resulting study of the evidence. The report's conclusions revolved around the fact that there is little continuity among research studies of the effectiveness of different types of CRT, and there exist only small amounts of evidence (or, in many cases, none) demonstrating the effectiveness of using CRT to treat TBI—although the evidence that does exist generally indicates that CRT interventions have some effectiveness. The workshop brought together experts in health services administration, research, and clinical practice from the civilian and military arenas in order to discuss the barriers for evaluating the effectiveness of CRT care and for identifying suggested taxonomy, terminology, timing, and ways forward for CRT researchers. The workshop consisted of individuals and was not intended to constitute a comprehensive group. Select decision makers in the Military Health System and Veterans Affairs (VA) and researchers were invited to participate. The workshop was designed to spur thinking about (1) the types of research necessary to move the field forward toward evidence-based clinical guidelines, (2) what the translational pipeline looks like and what its current deficiencies are, and (3) considerations that decision makers may choose to use as they decide what research they will support and decide how they will balance the urgency of the need with the level of evidence for CRT interventions. Cognitive Rehabilitation Therapy for Traumatic Brain Injury: Model Study Protocols and Frameworks to Advance the State of the Science summarizes the happenings of the workshop. This book presents hands-on tools for addressing the multiple ways that brain injury can affect psychological functioning and well-being. The author is a leader in the field who translates her extensive clinical experience into clear-cut yet flexible guidelines that therapists can adapt for different challenges and settings. With a focus on facilitating awareness, coping, competence, adjustment, and community reintegration, the book features helpful case examples and reproducible handouts and forms. It shows how to weave together individual psychotherapy, cognitive retraining, group and family work, psychoeducation, and life skills training, and how to build and maintain a collaborative therapeutic relationship. There are very few books available which are concerned with the unique communication problems that can come with traumatic brain injury (TBI). In recent years there has emerged a realisation that these difficulties in communication are closely tied to the cognitive, behavioural and social problems observed following traumatic brain injury. This is changing the way people with TBI are assessed and is generating new approaches to rehabilitation. This volume will be of interest to psychologists, speech pathologists and therapists and linguists. Clinicians and researchers working with people with
traumatic brain injury, and their students, will find it a comprehensive source of contemporary approaches to characterising the communication problems of people with TBI and for planning rehabilitation. The present volume has come about through an awareness of the absence of any cohesive and substantive source on the treatment of cognitive dysfunction following brain insult. I initiated the development of our annual symposium Models and Techniques of Cognitive Rehabilitation, on which the present volume is based, so as to educate myself, as well as others, about the state of the art in modifying cognitive processes in the brain, injured. I became aware of the need for interventive strategies for the brain, injured while a graduate student. Brain functions had, for a long time, always fascinated me, but from an academic perspective. I was confronted with the clinical consequences of brain injury while administering batteries of neuropsychological tests, and this experience added another dimension to my interest in brain functions. I felt grossly inadequate because I was able to rather eloquently describe changes in brain-behavior relations with neuropsychological tests, but could only generate recommendations based solely on the use of compensatory strategies and occasionally on some unfounded, and probably naive, remedial guess. A literature search at this time yielded devastating, little information. The next several years were characterized by a pseudo-obsession, occurring at times without total awareness, with methods and techniques which might alter impaired brain-behavior relations. Completing graduate school, however, required that these thoughts take a secondary position relative to more typical graduate student thoughts.

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.

Cognitive Rehabilitation Therapy for Traumatic Brain Injury
A Guide for Speech-Language Pathologists
Plural Publishing

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Traumatic brain injury (TBI) is a complex condition for which limited research exists. The recent conflicts in Iraq and Afghanistan have resulted in numerous service members returning home after sustaining TBI, and healthcare providers scrambling to find resources on how to treat them. This toolkit is a comprehensive source of inventories and therapy options for treating service members with mild TBI. All aspects of mild TBI are covered, including vestibular disorders, vision impairment, balance issues, posttraumatic headache, temporomandibular dysfunction, cognition, and fitness, among others. With easy-to-follow treatment options and evaluation instruments, this toolkit is a one-stop resource for clinicians and therapists working with patients with mild TBI.

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