

REHABILITATION NOTES

REHABILITATION SECTION
BALTIMORE CITY MEDICAL SOCIETY

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EDITOR

FUNCTIONAL EVALUATION: THE BARTHEL INDEX

A simple index of independence useful in scoring improvement in the rehabilitation of the chronically ill

Since 1955, the chronic disease hospitals in Maryland (Montebello State Hospital, Deer's Head Hospital, and Western Maryland Hospital) have been using a simple index of independence to score the ability of a patient with a neuro-muscular or musculoskeletal disorder to care for himself, and by repeating the test periodically, to assess his improvement. The Index (BI) has also been taught to many nurses, who have been helpful in evaluating patients prior to admission to these hospitals and after discharge.

FLORENCE I. MAHONEY, M.D.
AND
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The values assigned to each item are based on time and amount of actual physical assistance required if a patient is unable to perform the activity. Full credit is not given for an activity if the patient needs even minimal help and/or supervision, ie, if he cannot safely perform the activity without someone present in the room with him. Because of the time required to attend an incontinent patient and since he is not socially acceptable, continence was weighted heavily.

Environmental conditions may affect the patient's score. If he has special requirements (other than the usual home setting), his score will be lower when they are not met. Examples are: doorways wide enough for easy access by wheelchair; all rooms on the same level if he cannot walk; grab bars at the toilet and tub.

To be more valuable, an explanation of special environmental requirements should accompany the BI of each patient when these are indicated.

Each patient's BI is scored at the beginning of treatment in the Rehabilitation Service (PM&R), at intervals during the course of his rehabilitation, and at the time of maximum benefit. In this way, it is possible to determine how well and how rapidly he has progressed toward independence. Sometimes improvement does not show up because the presence of another person may still be required even though he does not actually give physical assistance. Usually lack of improvement in the BI after a reasonable period of treatment indicates poor potential for rehabilitation.

Functional Evaluation The Barthel Index

Julia Schneider



Functional Evaluation The Barthel Index:

Functional Evaluation, the Barthel Index Florence I. Mahoney, Dorothea W. Barthel, 1965 **Functional Assessment and Outcome Measures for the Rehabilitation Health Professional** Glen E. Gresham, 1997 Practical and unique this is the only book to cover the instruments used by all rehabilitation disciplines And better yet it s the only book to describe and or display instruments more than 40 that are used in general rehabilitation A leading edge resource Functional Assessment and Outcome Measures for the Rehabilitation Health Professional helps you select the best outcomes measurement instruments assess and measure function in physical social emotional and vocational areas and plan targeted interventions to promote independent living Readers learn how to choose the best of current functional assessment measures and recognize the advantages and disadvantages of functional assessment disease specific and general health measures

Oxford Handbook of Neuroscience Nursing Sue Woodward, Catheryne Waterhouse, 2021 This handbook is for nurses needing practical guidance in clinical situations either as an aide memoire for the specialist nurse or an essential reference source for newly qualified nurses caring for people with neurological problems for the first time **Neurotrauma** Alex B. Valadka, Brian T. Andrews, 2011-01-01 Winner of Association of American Publishers Clinical Medicine Book Award 2005 Combining new evidence based literature with the hands on experience of leading specialists this book provides the practical approach clinicians need especially when dealing with an emergency situation Each chapter examines a question frequently encountered during neurotrauma care offering clear and succinct answers to core topics Most importantly internationally recognized experts explain why they agree or disagree with a specific study adding unique insights into vital patient management issues Special highlights Tightly focused chapters target key questions for quick and easy reference Answers reflect the best available data ensuring accuracy and underscoring the validity of the authors recommendations Top authorities in the field draw on their own clinical experience to provide differing viewpoints Valuable coverage of related topics such as resuscitation methods classification of head and spinal cord injuries imaging protocols for head injuries post acute care and more Through reliable data and respected opinions this text is sure to improve your diagnostic and decision making skills An ideal way to confer with the experts it belongs in the libraries of all neurosurgeons trauma specialists general surgeons neurologists and emergency room physicians Health Assessment Lois Malasanos, Kathryn Stoltenberg-Allen, 1990 Designed for students and beginning practitioners Provides theory and skills necessary to collect a comprehensive health history and to perform a complete physical examination Functional Movement Development Across the Life Span Donna J. Cech, Suzanne Tink Martin, 2002-03-29 The 2nd edition of this expert text emphasizes normal development and function examining how function is attained and how it can be optimized across the life span Its logical organization and presentation equips readers with the background and tools needed to understand the components of functional movement A solid grounding in normal development including the cellular and systems changes that begin in the

embryo and continue throughout life enables readers to recognize understand and appropriately treat abnormal motor function This new expanded edition features enhanced content related to development of specific age groups with a unique focus on the ongoing development of the healthy older adult Specifically the chapters dealing with the skeletal system the cardiovascular and pulmonary system and the nervous system have been extensively updated and more comprehensively illustrated

Clinical Neuropsychology of Intervention Barbara P. Uzzell, Yigal Gross, 2012-12-06 Neuropsychology has been concerned with brain behavior relationships Clinical neuropsychology has been concerned with application of relationships to clinical problems As interest in these topics continues a spin off from clinical neuropsychology has been the realization of the potential of the delineations of behavioral consequences of cerebral lesions for developing and evaluating restoration and compensation objectives Methods for these procedures are scattered in books journal articles or else unwritten and only in the minds of clinicians Questions need to be addressed regarding the kinds of assessment selections required the types of rehabilitation planning the influences of the environment communication and personality and the means of effectively evaluating rehabilitation procedures A useful book is needed by clinicians working in this area The purpose of this book is to consolidate in one volume current workable approaches of a subdiscipline within neuropsychology and related areas which we are calling Intervention Problems dilemmas solutions and choices are presented to the reader beginning to work in this fascinating area and to those of us already enthralled by previous developments and outcomes Workers with expertise in assessment for intervention and intervention strategies are chapter contributors who unravel issues provide available empirically based theory illustrative data and case reports The volume begins with a chapter that emphasizes an awareness of the potential usefulness of pathophysiology and the recognition of spontaneous xv xvi recovery in relationship to intervention Part II of the book is devoted to identifying and developing assessment techniques relevant for intervention

Health & Physical Assessment Violet Barkauskas, 1998 Written by an all nurse author team Health and Physical Assessment presents a comprehensive approach to health assessment in which client health rather than a diagnosis is the focus In this book the client is perceived as a total entity rather than as an individual with a specific problem that the practitioner must diagnose Assessing health and identifying health strengths are emphasized and related to promoting and improving people's health This edition features a new introductory chapter on clinical reasoning in determining health status giving readers an overview of the process of health assessment

Measures of Need and Outcome for Primary Health Care David Wilkin, Lesley Hallam, Marie-Anne Doggett, 1992 The effectiveness of health services must be judged by their impact on patients health This book provides a user's guide to a variety of instruments designed to evaluate different aspects of patient outcomes in primary health care Drawing on both American and British research the authors have selected and critically reviewed measures of health status and patient satisfaction The measures of health status are divided into sections dealing with physical function mental health social support and multidimensional and disease specific measures Each instrument

reviewed has been chosen on the basis of its reliability validity and appropriateness for use in primary health care settings Most of the questionnaires and schedules discussed are reproduced to enable the user to judge their suitability for a particular purpose An introduction to conceptual and methodological issues in the measurement of needs and outcomes in health care is also included This accessible book is the first of its kind to address the problem of measurement in primary health care and is an important reference text for professionals students and research workers concerned with health care evaluation

The Journal of Rheumatology ,1987 **Documenting Functional Outcomes in Physical Therapy**
Darlene L. Stewart,Susan H. Abeln,1993 No matter where you work as a PT you must know how to document your services Proper documentation is essential because the majority of payment for PT services comes from third party payors and proper documentation promotes quality care Count on this vital resource for all the information you need to document your work effectively Case studies clearly demonstrate both appropriate and poor documentation Practical tips help you expedite the claims process and guarantee a successful outcome

Functional Movement Development Across the Life Span Donna Joy Cech,Suzanne Tink Martin,2011-09-06 Providing a solid foundation in the normal development of functional movement Functional Movement Development Across the Life Span 3rd Edition helps you recognize and understand movement disorders and effectively manage patients with abnormal motor function It begins with coverage of basic theory motor development and motor control and evaluation of function then discusses the body systems contributing to functional movement and defines functional movement outcomes in terms of age vital functions posture and balance locomotion prehension and health and illness This edition includes more clinical examples and applications and updates data relating to typical performance on standardized tests of balance Written by physical therapy experts Donna J Cech and Suzanne Tink Martin this book provides evidence based information and tools you need to understand functional movement and manage patients functional skills throughout the life span Over 200 illustrations tables and special features clarify developmental concepts address clinical implications and summarize key points relating to clinical practice A focus on evidence based information covers development changes across the life span and how they impact function A logical easy to read format includes 15 chapters organized into three units covering basics body systems and age related functional outcomes respectively Expanded integration of ICF International Classification of Function aligns learning and critical thinking with current health care models Additional clinical examples help you apply developmental information to clinical practice Expanded content on assessment of function now includes discussion of participation level standardized assessments and assessments of quality of life scales More concise information on the normal anatomy and physiology of each body system allows a sharper focus on development changes across the lifespan and how they impact function

Monitoring the Outcomes of Social Services: A review of past research and test activities Annie Millar,Harry P. Hatry,Margo Koss,1977 *Handbook of Geriatric Assessment* Joseph J. Gallo,William Reichel,Lillian Andersen,1995 **Human**

Movement Marion Trew, Tony Everett (MCSP.), 2005 The authors cover the anatomical physical and biomechanical basis for understanding human movement in everyday contexts with easy to follow text that is both detailed and well referenced Those involved in the study of human movement will find this an ideal introduction to the study of human movement and an excellent reference encouraging and directing further study **BOOK JACKET**

Cognitive Neurorehabilitation Donald T. Stuss, Gordon Winocur, Ian H. Robertson, 1999-10-07 This is the first truly comprehensive survey of cognitive rehabilitation spanning the spectrum from basic science to functional outcome The international team of expert authors provide a critical review of theoretical and methodological issues relating to specific rehabilitation procedures and also to programme organization and management The book is based on the twin premises that basic science is the foundation of rehabilitation and that successful outcome is dependent on the specificity of the rehabilitation In demonstrating this the book goes beyond cognitive rehabilitation treatments to cover biological psychological social and historical factors such as course of recovery mood and motivation family environment education and age With its emphasis on scientific principles multidisciplinary practice and functional outcome this book will serve as an essential resource for all scientists and clinicians concerned with cognitive deficits secondary to altered brain functioning and particularly to psychologists neurologists psychiatrists occupational therapists and physical therapists

Rehabilitation Nursing Shirley P. Hoeman, 1996 Textbook *Current Review of Cerebrovascular Disease* Marc Fisher, Julien Bogousslavsky, 2012-12-06 New exciting and innovative advances in the field of cerebrovascular medicine continue to occur at a rapid pace The fourth edition of *Current Review of Cerebrovascular Disease* provides an update on these rapidly evolving topics and a gives the reader insight into the thought provoking issues in stroke neurology that have undergone tremendous changes during the past two years The volume covers four main sections basic science diagnostics clinical aspects and treatment

The American Journal of Occupational Therapy, 1996 *Harrison's Principles of Internal Medicine, 18th Edition* Dan Longo, Anthony Fauci, Dennis Kasper, Stephen Hauser, J. Jameson, Joseph Loscalzo, 2011-07-21 The most trusted textbook in medicine featuring the acclaimed Harrison's DVD with 57 additional chapters and exclusive video and tutorials Now presented in TWO VOLUMES As reviewed by JAMA With the 18th edition Harrison's Principles of Internal Medicine retains its standing as a definitive clinical reference and remains an outstanding foundation for any physician or physician in training In many regards Harrison's remains synonymous not just with internal medicine but with medicine in general The editors of the 18th edition have skillfully balanced tradition with the desire and need for innovation The result is a book that remains as fundamental to current medical practice as the first edition was in 1949 JAMA Extensively revised and expanded by the world's leading physicians Harrison's Principles of Internal Medicine 18e continues to set the standard as the pinnacle of current medical knowledge and practice offering the definitive review of disease mechanisms and management **CURRENT** All chapters have been completely updated to reflect the latest knowledge and evidence and important new chapters have been added including

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