

**Table 1: Comparison of MMT grades[3]**

<b>Medical Research Council[4]</b>	<b>Daniels and Worthingham[5]</b>	<b>Kendall and McCreary[6]</b>	<b>Explanation</b>
<b>5</b>	<b>Normal(N)</b>	<b>100%</b>	<b>Holds test position against maximal resistance</b>
<b>4+</b>	<b>Good + (G+)</b>		Holds test position against moderate to strong pressure
<b>4</b>	<b>Good(G)</b>	<b>80%</b>	<b>Holds test position against moderate resistance</b>
<b>4-</b>	<b>Good - (G-)</b>		Holds test position against slight to moderate pressure
<b>3+</b>	<b>Fair + (F+)</b>		Holds test position against slight resistance
<b>3</b>	<b>Fair (F)</b>	<b>50%</b>	<b>Holds test position against gravity</b>
<b>3-</b>	<b>Fair- (F-)</b>		Gradual release from test position
<b>2+</b>	<b>Poor + (P+)</b>		Moves through partial ROM against gravity OR Moves through complete ROM gravity eliminated and holds against pressure
<b>2</b>	<b>Poor(P)</b>	<b>20%</b>	<b>Able to move through full ROM gravity eliminated</b>
<b>2-</b>	<b>Poor - (P-)</b>		Moves through partial ROM gravity eliminated
<b>1</b>	<b>Trace(T)</b>	<b>5%</b>	<b>No visible movement; palpable or observable tendon prominence/flicker contraction</b>
<b>0</b>	<b>0</b>	<b>0%</b>	<b>No palpable or observable muscle contraction</b>

# Manual Muscle Testing Physical Therapy

**M Lipman**



## **Manual Muscle Testing Physical Therapy:**

Muscle Function Testing - A Visual Guide Karin Wieben, Bernd Falkenberg, 2015-05-13 A practical guide to manual muscle function testing This beautifully illustrated pocket atlas provides physical therapists occupational therapists sports therapists and students with practical guidelines and quick tests for evaluating gross motor function throughout the body The tests in this manual are particularly suitable for analyzing isolated muscle deficits and evaluating other testing methods When used as a regular part of the physical therapy routine manual muscle testing provides valuable information on individual treatment needs enables the therapist to monitor progress and modify procedures and allows the patient to see the results for themselves Key features Almost 200 high quality color photographs and illustrations help demonstrate each step in the testing process Quick tests for evaluating overall muscle function followed by detailed guidelines for testing muscle function in the head and face spine and upper lower extremities Detailed introductory chapter on the foundations and anatomical basis of muscle testing Clear descriptions of clinical symptoms for each muscle group plus examples from practice Online access to assessment forms on Thieme's MediaCenter Test questions and answers for self study This book is a valuable resource for all PT practitioners and students that will enrich their practice and help them to successfully evaluate and treat patients suffering from muscle related injuries

Cram Session in Manual Muscle Testing Lynn Van Ost, 2024-06-01 When all you need is a basic understanding of manual muscle testing When concise and illustrative examples of manual muscle testing techniques will provide exactly what the rehabilitation professional needs look to Cram Session in Manual Muscle Testing A Handbook for Students Clinicians for quick and at your fingertips facts Cram Session in Manual Muscle Testing A Handbook for Students Clinicians by Lynn Van Ost is a succinct and descriptive quick reference that provides the rehabilitation professional with a very basic approach to various manual muscle techniques Organized in a head to toe format Cram Session in Manual Muscle Testing A Handbook for Students Clinicians takes user friendly and efficient learning to a new level What is in your Cram Session Photographs depicting each manual muscle testing technique Breakdown of each body region covered Sections include average range of motion prime movers accessory muscles patient positioning muscle grading for each movement and substitutions Over 200 photographs Cram Session in Manual Muscle Testing A Handbook for Students Clinicians is an informative well organized handbook for all students and clinicians in physical therapy occupational therapy athletic training orthopedics or any allied health professional who treats musculoskeletal disorders

*Daniels and Worthingham's Muscle Testing - E-Book* Marybeth Brown, Helen Hislop, Dale Avers, 2013-01-25 A practical handbook on evaluating muscular strength and function Daniels and Worthingham's Muscle Testing Techniques of Manual Examination and Performance Testing 9th Edition makes it easy to understand and master procedures in manual muscle testing and performance testing Clear illustrated instructions provide a guide to patient positioning direction of motion and direction of resistance In addition to muscle testing of normal individuals and others with weakness or paralysis this edition includes new

coverage of alternative strength tests and performance tests for older adults and others with functional decline such as the inactive and obese Written by educators Helen J Hislop Dale Avers and Marybeth Brown this classic physical therapy reference now features an Evolve companion website with video clips demonstrating key muscle testing techniques Drawings and arrows along with clear written directions make it easy to understand and perform muscle testing procedures allowing you to assess deficits in strength balance and range of motion More than 600 illustrations clearly show testing sequences muscle anatomy and muscle innervation Video clips of over 100 muscle tests on the Evolve companion website demonstrate the art and technique of muscle testing in a clinical setting Details of muscle anatomy and innervation help in linking muscle topography with function Helpful Hints and Substitutions boxes provide additional tips and highlight muscle substitutions that may occur during a test to ensure greater accuracy in testing A constant reference number clearly identifies each muscle in the body indexed in the Alphabetical List of Muscles by Region as well as in the Ready Reference Anatomy Manual on Evolve to speed cross referencing and help you quickly identify any muscle NEW chapters on performance testing cover functional strength testing in older adults and those with functional decline and testing muscle performance in various clinical settings NEW chapters on manual muscle testing address when to use manual muscle testing the limitations of manual muscle testing and alternatives to manual muscle testing UPDATED references for each chapter include the most current evidence based information NEW An Evolve companion website helps you hone your manual testing skills with video clips of over 100 muscle tests and with the Ready Reference Anatomy Guide *Muscle and Sensory Testing* Nancy Berryman Reese,2011 If you want to excel in the physical therapy field you ll need to first master the art of manual muscle testing Written by a well known PT expert *Muscle and Sensory Testing* 3rd Edition provides you with everything you need to effectively perform manual muscle and sensory tests all in one well organized easy to follow resource Chapters include an overview of muscle strength assessment and detail precise anatomic testing techniques for upper extremities lower extremities and head neck and trunk functional muscle tests tests for mental status cranial nerves and superficial reflexes and use of observational gait analysis as a screening tool Photographs of testing procedures line drawings of various innervations and video clips showing manual muscle testing procedures augment your understanding of this important skill area [Cram Session in Goniometry and Manual Muscle Testing](#) Lynn Van Ost,Jenna Morogiello,2024-06-01 Newly updated Cram Session in Goniometry and Manual Muscle Testing A Handbook for Students Clinicians Second Edition is a descriptive quick reference guide for rehabilitation professionals organized in a head to toe format including more than 400 photographs and supplemented with concise and illustrative examples of various techniques The new edition of this text maintains the original essence of the first edition while touching upon updated information to speak to new clinicians Minor revisions such as adding color to the headers and to the sections allow the reader easier access to the topics An expanded appendix and up to date content touch on newer technology being used and developed in these areas of clinical evaluation What is in your

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**Cram Session in Goniometry and Manual Muscle Testing** Lynn Van Ost, Jenna Morogiello, 2022-10-28 There are many textbooks on the market dedicated either wholly or in part to the topics of goniometry and manual muscle testing however there are few books available that serve as a standalone quick reference for the clinician or student The idea behind this manual was born from the need for a reference that would supply the clinician or student with a snapshot view of the basics of goniometry and manual muscle testing This manual was not designed or intended as a teaching tool or as an introductory text on the subjects of goniometry or manual muscle testing It does not contain information on the theories validity or reliability of goniometry or manual muscle testing other textbooks cover those areas sufficiently This book is intended to be a simple user friendly reference for the experienced clinician or student

*Daniels and Worthingham's Muscle Testing* Helen J. Hislop, Dale Avers, Marybeth Brown, 2014 A practical handbook on evaluating

muscular strength and function this classic physical therapy reference makes it easy to understand and master procedures in manual muscle testing and performance testing Clear illustrated instructions provide a guide to patient positioning direction of motion and direction of resistance In addition to manual muscle testing of normal individuals and those with weakness or paralysis

**NeuroKinetic Therapy** David Weinstock, 2012-06-05 NeuroKinetic Therapy is based on the premise that when an injury has occurred certain muscles shut down or become inhibited forcing other muscles to become overworked This compensation pattern can create pain or tightness By applying light pressure that the client then resists the practitioner can evaluate the strength or weakness of each muscle revealing the sources of injury and retraining the client's body to remove the compensation patterns reprogramming the body at the neural level This easy to follow practitioner's manual presents a series of muscle tests specially designed to uncover and resolve compensation patterns in the body Author David Weinstock begins by explaining how this approach stimulates the body and mind to resolve pain Organized anatomically each section of the book includes clear photographs demonstrating correct positioning of the muscle accompanied by concise explanations and instructions Labeled anatomical illustrations appear at the end of each section showing the relationships between the muscles and muscle groups This essential resource is especially useful for physical therapists chiropractors orthopedists and massage therapists looking for new ways to treat underlying causes of pain

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**Muscle and Sensory Testing - E-Book** Nancy Berryman Reese, 2020-04-21 NEW

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*Daniels and Worthingham's Muscle Testing: Techniques of Manual Examination and Performance Testing, 9e* Helen Hislop, 2013-09-01 A practical handbook on evaluating muscular strength and function Daniels and Worthingham's Muscle Testing Techniques of Manual Examination and Performance Testing 9th Edition makes it easy to understand and master procedures in manual muscle testing and performance testing Clear illustrated instructions provide a guide to patient positioning direction of motion and direction of resistance In addition to muscle testing of normal individuals and others with weakness or paralysis this edition includes new coverage of alternative strength tests and performance tests for older adults and others with functional decline such as the inactive and obese Written by educators Helen J Hislop Dale Avers and



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