



# Muscle and Sensory Testing

By Nancy Berryman Reese

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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, 3<sup>rd</sup> 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.

- **UNIQUE! Video clips on the companion Evolve website** showcase techniques involving muscle tests, handheld dynamometry, sensory and neurologic testing, clinician and patient positioning, and force application.
- **Chapter 6: *Techniques of Pediatric Muscle Testing*** covers the different techniques for manual infant muscle testing that help determine prognosis and treatment.
- **Consistent chapter layout and organization by joint and muscle system** allow you to quickly and easily locate the information you need.
- **Instructions for performing hand-held dynamometry** of major trunk and extremity muscles are clear and concise to ease your comprehension.
- **Chapter on functional muscle testing** demonstrates positioning, examiner instructions, and expected response for patients of all ages.
- **Detailed neurologic exam instructions with photos** help you perform accurate screening and interpret exam results.
- Coverage of techniques such as gravity-resisted testing and gravity-eliminated testing clearly shows you how to perform **alternative methods of manual muscle testing**.
- **Hundreds of photos and illustrations** demonstrate various techniques and landmarks to give you a clear understanding of positioning, stabilization, and common substitutions.
- **Clinical notes** highlight useful information about particular symptoms or conditions that you may encounter in practice.
- **Case vignettes** challenge you to apply your knowledge to real-world situations and think creatively about clinical problems.
- **Overview of normal gait cycle** serves as a resource for identifying gait

deviations and associated muscle weaknesses.

- **Evaluation of current research methods** addresses the validity, reliability, and limitations of muscle testing techniques.
- **Companion Evolve website** contains additional, up-to-date information on this topic, such as pediatric data on the hand-held dynamometer.
- **UNIQUE! New video clips** on the companion Evolve website demonstrate a screening examination of the cranial nerves, a screening examination of the motor portions of the cranial nerves, and additional pediatric dynamometry tests.
- **EXPANDED! Chapter on techniques of functional muscle testing** offers additional tests with proven validity for clients with higher level functioning, such as athletes.
- **UPDATED! Chapter on handheld dynamometry for muscle testing** features coverage of pediatric dynamometry not found in other texts.

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### **Muscle and Sensory Testing By Nancy Berryman Reese Bibliography**

- Sales Rank: #169486 in Books
- Brand: Brand: W B Saunders Co 2011-09-01
- Published on: 2011-09-15
- Original language: English
- Number of items: 1
- Dimensions: 1.10" h x 9.10" w x 10.60" l, 2.80 pounds
- Binding: Spiral-bound
- 616 pages

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### Users Review

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