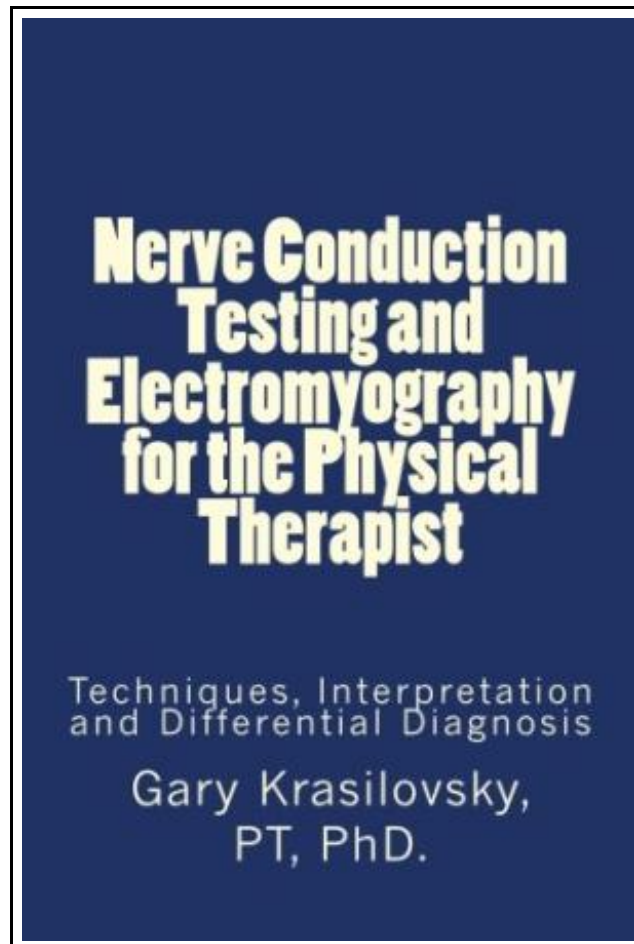


Nerve Conduction Testing and Electromyography for the Physical Therapist Techniques, Interpretation and Differential Diagnosis



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NERVE CONDUCTION TESTING AND ELECTROMYOGRAPHY FOR THE PHYSICAL THERAPIST TECHNIQUES, INTERPRETATION AND DIFFERENTIAL DIAGNOSIS



Gary Krasilovsky. Paperback. Book Condition: New. Paperback. 132 pages. Dimensions: 8.9in. x 6.0in. x 0.4in. This book was developed to assist physical therapy students and clinicians in learning the techniques, interpretation and use of electroneuromyography evaluation in the differential diagnosis of patients with neuromuscular disorders. It provides the physiological basis and techniques of this diagnostic test through the use of nerve conduction studies and needle electromyography. Readers will learn the application of these techniques to the upper and lower extremities, plus the interpretation of results reports through case studies. Differential diagnosis of abnormalities that are distributed throughout the neuromuscular system will be presented. Knowledge of basic anatomy related to peripheral nerve and root distributions is being assumed. Table of Contents CHAPTER ONE 1 Introduction to Electrophysiological Evaluation - Peripheral Nerve and Muscle 1 CHAPTER TWO 17 Instrumentation used in Electroneuromyography Examinations 17 CHAPTER THREE 23 Upper Extremity Motor Nerve Conduction Studies and Sensory Nerve Action Potentials (SNAPs) 23 Motor Nerve Conduction Studies - Overview 23 Sensory Nerve Conduction Studies 42 CHAPTER FOUR 53 Lower Extremity Motor Nerve Conduction Studies and Sensory Nerve Action Potentials 53 Motor Nerve Conduction Studies 54 Sensory Nerve Conduction Studies 61 CHAPTER FIVE 66 Advanced Techniques of Nerve Studies - Late Responses 66 Somatosensory Evoked Potentials (SSEPs) 66 Brainstem Auditory Evoked Potentials (BAERs) 69 Visually Evoked Potentials (VEPs) 69 H- Reflex 70 F- Wave Testing 72 Repetitive Nerve Stimulation - Myasthenia Gravis 73 CHAPTER SIX 78 Diagnostic Electromyography 78 CHAPTER SEVEN 92 Problem Solving in Electroneuromyography and Case Studies 92 Case Study 1: Carpal Tunnel Syndrome 95 Case Study 2: Age 5 Duchenne MD (DMD) 96 Case Study 3: Suspected L5 Root Compression 97 Case Study 4: Suspected Peripheral Polyneuropathy 99 Case Study 5: EMG Report 1 100 Case Study 6: EMG Report 2 102 Case Study 7:...



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