Thoroughly updated from the third edition with some 5,000 new references reviewed and selected.

With each subsequent edition, Dr. Kimura has built upon his extensive experience teaching electromyography (EMG) around the world and has transferred his knowledge to the book. It is intended for clinicians who perform electrodiagnostic procedures as an extension of their clinical examination, and will be of value to neurologists and physiatrists who are interested in neuromuscular disorders and noninvasive electrodiagnostic methods, particularly those practicing electromyography (EMG). The book provides a comprehensive review of most peripheral nerve and muscle diseases, including specific techniques and locations for performing each test. New to this edition: intra-operative monitoring studies for the pediatric and geriatric populations data analysis and reporting, which should help facilitate daily practice.