**Cubital Tunnel Syndrome**

This book provides a practical guide to the field of neuromuscular pathology including muscle, peripheral nerve, and skin biopsies with biopsy interpretation. Divided into three parts, the book begins with introductory chapters that review muscle, nerve, and skin biopsy indications and procedures, normal muscle and nerve histology, and common muscle and nerve pathology. The 28 myopathy case chapters in Part 2 and 11 neuropathy case chapters in Part 3 illustrate the clinical and pathological features of many neuromuscular diseases, demonstrate the indications and utilities of biopsies, discuss clinical and pathological differential diagnosis, update the individual disease management, and summarize pertinent clinical and pathology pearls for each case. A Case-Based Guide to Neuromuscular Pathology will function as an indispensable reference for neurologists and pathologists looking to understand the utility of muscle, nerve, and skin biopsies. This book will also aid neurology residents, neuromuscular fellows and neuropathology fellows in preparing for questions related to the muscle and nerve pathology in their in-service and board exams.

**Paediatric Electromyography**

Electromyography (EMG) is a diagnostic modality that offers enormous value to the investigation of neuromuscular disease. It is able to quickly identify abnormalities which, if they have to be identified by other means, require more expensive or more painful methods of investigation, such as muscle biopsy. However, despite its diagnostic/prognostic value, electromyography is often avoided in children, often due to the misconception that the investigation is too painful or too difficult to be performed in paediatric patients. Paediatric Electromyography will attempt to dispel many of the misconceptions about paediatric EMG by drawing on the author's extensive experience in treating patients using this technique at the Great Ormond Street Hospital for Children. The book includes a very clear and well illustrated description of the basic
neurophysiology essential to any person practising EMG, and the differences in the performance and interpretation of the tests in children are highlighted.

**Injection Procedures**

Fully revised and updated, the Third Edition of this respected text continues to provide complete and current information on the sites, causes, symptoms, diagnosis, and treatment of focal lesions of the peripheral nervous system. Detailed coverage of individual nerves emphasizes normal anatomy, pathology, and diagnosis. While this edition retains the easy-access organizational framework of prior editions, many more clinical figures have been added to aid readers in improving diagnostic accuracy. Close attention is given to the latest imaging techniques, electrodiagnostic testing methods, and intraoperative electrophysiologic recordings. Early chapters review the gross anatomy and structure of peripheral nerves, the physiologic sequelae of various types of nerve damage, the abnormalities found in electrodiagnostic tests, and the work-up for patients with focal neuropathies. The remaining chapters address the courses and anatomical relations of various nerves, identify the types and sites of lesions, and discuss the investigation and management of specific focal neuropathies.

**Comprehensive Clinical Neurophysiology**

"Now, for the first time, practitioners have access to a huge database of normal values, developed using the most modern scientific protocols, for virtually any patient population! Normal ranges take into account age, sex, height and body mass index for a wide range of demographic groups to provide a complete set of reliable values for everyday clinical practice. For each nerve fiber, the author provides the nerve root level, the peripheral nerve level, and the plexus pathway. In addition, for the most common studies performed, normal ranges are provided for onset latency, amplitude, area, duration of the wave, and nerve conduction velocity across various segments. Other benefits of this outstanding book: Provides helpful hints for performing each study Covers the latest, most up-to-date techniques for conducting nerve sensory tests Codifies the acceptable differences in latency, amplitude, nerve conduction velocity, etc. between nerves of the same or opposite limbs, allowing for a more precise diagnosis Provides precise written descriptions as well as schematic depiction of electrode placements Includes typical waveform appearance for the most common studies Offers a concise list of references and suggested readings for each study Includes advantages and pitfalls of alternative techniques For determining normal reference values for any patient, or for review of a specific nerve conduction technique, this book is unrivalled."

**Neurologic and Neurodegenerative Diseases of the Larynx**

This atlas serves as a comprehensive working reference for a wide range of clinicians practicing in the field of clinical neurophysiology, including adult and pediatric neurologists, epileptologists, neurocritical care specialists, and electroneurodiagnostic technologists. Covering EEG, EMG, MEG, evoked potentials, sleep and autonomic studies, and ICU, critical care, and intraoperative monitoring, expert authors share examples of common and novel artifacts and highlight signature features to help practitioners recognize patterns and make accurate distinctions. This visual compendium of information in atlas format addresses the artifact in all areas of clinical neurophysiology and highlights the traps and pitfalls that can taint studies and lead to misdiagnosis if not properly identified. Atlas of Artifacts in Clinical Neurophysiology provides full-page examples of waveforms and recordings to enhance appreciation of the nuances involved in distinguishing artifacts from neurological findings that require intervention. With the most up-to-date information available on artifacts present during
procedures in both adult and pediatric patients, this book provides readers with an in-depth understanding of artifact interpretation that is essential to any clinician working in the field of clinical neurophysiology given the ubiquitous nature of artifact during electrophysiological recording. Key Features: The only dedicated reference on artifacts in all areas of clinical neurophysiologic testing Large-format examples of both common and unusual artifacts encountered in each procedure category Up-to-date text in each chapter provides greater depth of explanation Draws on the expertise and clinical wisdom of leading practitioners to develop mastery in recognizing artifacts and avoiding diagnostic pitfalls Includes access to the digital ebook and 19 videos

**Carpal Tunnel Syndrome and Related Median Neuropathies**

"Essentials of Electrodiagnostic Medicine is an intermediate level text for residents, fellows, and practitioners. This practical book is readable in the course of a standard resident rotation and ideal for board exam review, while also comprehensive enough to be a useful reference. The second edition has been thoroughly updated throughout while retaining the key features of the first edition. Essentials of Electrodiagnostic Medicine is divided into two parts. The first part covers the theoretical and technical fundamentals including basic electronics, instrumentation, and the anatomical, physiological, and pathological underpinnings of electrodiagnostic medicine. The second half of the book is devoted to the clinical applications and electroclinical correlations of the most common diseases and conditions. Each chapter begins with an outline and concludes with a bulleted list of key points and annotated bibliography that succinctly summarizes the relevant literature. Essentials of Electrodiagnostic Medicine features: Practical, readable, treatment of the fundamentals of electrodiagnostic medicine Designed for use during a standard EMG rotation Covers clinical neuromuscular disease in addition to basic electrodiagnostic concepts Each chapter contains detailed summaries, key points, and an annotated bibliography"

**Electrodiagnosis in Diseases of Nerve and Muscle**

Principles of CPT Coding, ninth edition, is a best-selling resource that provides education on CPT billing and guidelines. It offers valuable training on how to code correctly with CPT.

**Newborn Screening for Pompe Disease**

**Atlas of Artifacts in Clinical Neurophysiology**

This concise and practical book provides an overview of neuromuscular disorders in clinical practice. Diagnostic approaches are covered along with patient management strategies in an easy-to-understand and introductory framework. Filling a significant gap in the literature, this resource delivers essential information for neurology trainees and practitioners, as well as anyone interested in learning the fundamentals of this important medical subspecialty.

**Interventional Spine E-Book**

**A Case-Based Guide to Neuromuscular Pathology**

In a rapidly growing field of neuromodulation against pain, this excellent publication
presents a unique compilation of the latest theoretical and practical information for electrical stimulation of the peripheral nerves. Chapters cover the use of peripheral nerve stimulation in particular indications such as migraine, cluster headache, pain in Chiari malformation and fibromyalgia, as well as in specific body parts such as head and neck, trunk, and extremities. Furthermore, chapters on history, technical aspects, mechanism of action, terminology, complications and other important aspects of this pain-relieving modality give you a full overview of the field. Written by leading experts, this publication provides a comprehensive and updated summary of the currently available scientific information on peripheral nerve stimulation. All chapters contain original information making this book an invaluable reference for all who deal with the management of severe and chronic pain - including neurosurgeons and neurosurgical trainees, pain specialists and practitioners, anesthesiologists and neurologists.

**Comprehensive Electromyography**

Leading authorities in the field present a comprehensive, clinically focused text on all major aspects of electrodiagnosis in neurology. Serves as a practical daily resource for the clinician as well as an excellent study tool for board preparation in neurology and subspecialty status in neurophysiology. Topics in this generously illustrated text include basic neurophysiology, electromyography, autonomic testing, electroencephalography, evoked potentials and much more! Extensive descriptions and clinical examples in clinical neurophysiology Figures demonstrating electrophysiological examples Chapters devoted to EEG in children: normal development of the EEG, neonatal seizures, and paediatric epilepsy syndromes Individual case studies Chapters on problem solving in EMG diagnosis Primer on a unique technique for the localisation of EEG discharges Emerging application in neuromagnetic stimulation

**Neuromuscular Disorders**

**Neuromuscular Function and Disease**

Everything you need to know about neuromuscular disease-in one concise, full-color volume Neuromuscular Disorders is comprehensive in scope, yet concise enough to serve as a valuable point-of-care guide for your day-to-day clinical practice. Grounded by numerous reference sources and enhanced by the experience of two seasoned clinicians, this text provides a pragmatic approach to the evaluation and management of neuromuscular disease. Here, in a single source, you'll get an insightful look at both nerve and muscle conditions, ranging from motor neuron diseases to neuropathies, neuromuscular junction disorders, and myopathies. The book opens with the clinical and laboratory approach to patients with neuromuscular disease, covering electrodiagnostic testing, nerve conduction studies, and muscle and nerve histopathology. With an emphasis on effective diagnosis and treatment, the substance of the text examines the full spectrum of specific neuromuscular diseases, giving you the “big picture” of the discipline in a way that no other text can match. FEATURES: Convenient coverage of both nerve, muscle and neuromuscular transmission disorders-both primary and secondary neuromuscular diseases Specific disease sections encompass the range of conditions likely to be encountered in clinical practice, including amyotrophic lateral sclerosis, myasthenia gravis, radiculopathies and plexopathies, mononeuropathies, various polyneuropathies, toxic myopathies, and dozens more The very latest diagnosis and treatment recommendations and protocols based on the most recent clinical literature and research Well-illustrated with EMGs, histopathology, and clinical photos

**The Inflammatory Myopathies**
Neuromuscular Disorders in Clinical Practice

Pompe disease, also known as acid maltase deficiency or acid alpha-glucosidase deficiency, in its most severe form results in a rapidly progressive, neonatal-onset skeletal and cardiomyopathy, leading to early infantile death without treatment. The development of treatment with recombinant enzyme replacement therapy radically transformed the clinical trajectory of those affected, enabling long-term ventilator-free survival with resolution of cardiomyopathy. These positive clinical outcomes resulted in the implementation of newborn screening programs for Pompe disease across the world. This Special Issue highlights some of the experiences of Pompe screening programs worldwide and discusses public policy and ethical issues elicited by presymptomatic screening for Pompe disease.

Sciatica Solutions: Diagnosis, Treatment, and Cure of Spinal and Piriformis Problems

The Second Edition follows up on the interest generated by the successful first edition with more syndromes, more illustrations, updated references, and new chapters. The purpose of the book remains the same—to provide a quick overview of the definition, anatomy, etiology, clinical symptoms and signs, and treatment of tunnel syndromes. The new edition continues to probe the origins of these painful syndromes and to propose the possible causes that lead to them. The Overview section introduces the significance of tunnel syndromes and offers a new chapter devoted to the neurophysiology and electrodiagnosis of compression syndromes. It includes information on basic electromyography analysis, nerve conduction velocity testing, problems with electromyography interpretation, and the clinical use of electrodiagnostic tests. Part I presents tunnel syndromes of the upper extremities, Part II is devoted to the trunk, and Part III discusses the lower extremities. The final section addresses how particular tunnel syndromes affect athletes. For each syndrome, the etiology, clinical symptoms and signs, and treatment are examined in detail. Orthopedists, neurosurgeons, neurologists, sports medicine specialists, occupational and physical therapists, and medical doctors and students will all find the Second Edition of Tunnel Syndromes to be an essential update for their reference libraries.

annual of Nerve Conduction Studies, Second Edition

An introductory and advanced reference for EMG, explaining anatomic, physiologic, pathologic, and electrical concepts necessary to use EMG.

Focal Peripheral Neuropathies

An experienced researcher demystifies the causes, nature, symptoms, and treatment of sciatica, outlining a variety of physical therapy, medicinal, and surgical treatment options and discussing exercise, behavioral, and lifestyle adjustments one can make to provide lasting comfort and cure from the pain of sciatica. Reprint.
Peripheral Nerve Stimulation

This practical guide is ideal for healthcare professionals, including family medicine and sports medicine physicians, who wish to integrate peripheral joint and soft tissue injection procedures into their practices. Emphasis is placed on helping clinicians perform injections with accuracy and efficiency. Procedures are presented in a step-by-step fashion. A wealth of illustrations adds clarity, and fluoroscopic images are featured where applicable. Billing and coding are covered in order to aid readers in obtaining reimbursement. Chart documentation designed to improve patient management and medical-legal protection is presented via ready-to-use templates that can be inserted into office notes. Key information on needle gauge sizes and medication dosages is summarized in an easily accessible table. A useful discussion on conducting clinical trials is outlined as well.

Dysimmune Neuropathies

Spine Secrets Plus—a Secrets Series® title in the new PLUS format— gives you the answers you need to succeed on your rotations, your boards, and your career. Dr. Vincent J. Devlin provides the expert perspective you need to grasp the nuances of spine surgery and related specialties. This new edition offers expanded coverage, a larger format, and colorful visual elements to provide an overall enhanced learning experience. All this, along with the popular question-and-answer approach, makes it a perfect concise board review tool and a handy clinical reference. Prepare effectively with the proven question-and-answer format of the highly acclaimed Secrets Series®. Master all common conditions and their treatments. Identify key facts using the "Top 100 Secrets". Review material quickly thanks to bulleted lists, tables, and short answers. Apply memory aids and "secrets" from experts in the field. Get an overall enhanced learning experience from the new PLUS format, with an expanded size and layout for easier review, more information, and full-color visual elements. Stay current on the latest standards in medical care thanks to extensive updates, including new chapters on Spinal Cord Stimulation and Implantable Drug Delivery Systems, Special surgical Techniques for the Growing Spine, Pathophysiology of Degenerative Disorders of the Spine, Discogenic Low Back Pain, Treatment Options for Osteoporotic Vertebral Compression Fractures, and Disorders Affecting the Spinal Cord and Nerve Roots. See a clearer picture of what you encounter in practice through larger, detailed images and illustrations. Find information quickly and easily with additional color that enhances tables, legends, key points, and websites.

Neuromuscular Ultrasound E-Book

The neuro rehab text that mirrors how you learn and how you practice! Take an evidence-based approach to the neurorehabilitation of adult and pediatric patients across the lifespan that reflects the APTA’s patient management model and the WHO’s International Classification of Function (ICF). You’ll study examination and interventions from the body structure/function impairments and functional activity limitations commonly encountered in patients with neurologic disorders. Then, understanding the disablement process, you’ll be able to organize the clinical data that leads to therapeutic interventions for specific impairments that can then be applied as appropriate anytime that impairment is detected, regardless of the medical diagnosis.

Assessing Progress on the Institute of Medicine Report The Future of Nursing

Nurses make up the largest segment of the health care profession, with 3 million
registered nurses in the United States. Nurses work in a wide variety of settings, including hospitals, public health centers, schools, and homes, and provide a continuum of services, including direct patient care, health promotion, patient education, and coordination of care. They serve in leadership roles, are researchers, and work to improve health care policy. As the health care system undergoes transformation due in part to the Affordable Care Act (ACA), the nursing profession is making a wide-reaching impact by providing and affecting quality, patient-centered, accessible, and affordable care. In 2010, the Institute of Medicine (IOM) released the report The Future of Nursing: Leading Change, Advancing Health, which made a series of recommendations pertaining to roles for nurses in the new health care landscape. This current report assesses progress made by the Robert Wood Johnson Foundation/AARP Future of Nursing: Campaign for Action and others in implementing the recommendations from the 2010 report and identifies areas that should be emphasized over the next 5 years to make further progress toward these goals.

**Single Fibre Electromyography**

This comprehensive text is the definitive academic pain medicine resource for medical students, residents and fellows. Acting as both an introduction and continued reference for various levels of training, this guide provides practitioners with up-to-date academic standards. In order to comprehensively meet the need for such a contemporary text—treatment options, types of pain management, and variables affecting specific conditions are thoroughly examined across 48 chapters. Categories of pain conditions include orofacial, neuropathic, visceral, neck, acute, muscle and myofascial, chronic urogenital and pelvic, acute, and regional. Written by renowned experts in the field, each chapter is supplemented with high-quality color figures, tables and images that provide the reader with a fully immersive educational experience. Academic Pain Medicine: A Practical Guide to Rotations, Fellowship, and Beyond is an unprecedented contribution to the literature that addresses the wide-spread requisite for a practical guide to pain medicine within the academic environment.

**Clinical Handbook of Neuromuscular Medicine**

This book presents a comprehensive review of the inflammatory myopathies, including dermatomyositis, polymyositis, and inclusion body myositis. Representing the most up-to-date knowledge on this family of diseases, this book is the gold-standard in its field.

**EMG Lesion Localization and Characterization**

Dysimmune Neuropathies provides readers with detailed, basic information that will enable users to recognize and differentiate each neuropathy to adequately guide an investigation and create a treatment plan. An overview of recent progress, avenues for future research, and the desired benefits are also covered. The book highlights the many developments in the field that have occurred in terms of pathophysiological mechanisms, particularly immunological, that have direct implications on treatment strategies. This book is a great reference for trainees, clinicians and researchers specializing in neurology, neuromuscular diseases and neurophysiology. Encompasses all dysimmune neuropathies Describes clinical features, epidemiology, pathophysiology and immunology Provides differential diagnosis Identifies new investigation techniques

**Clinical Cases in Neurology**

This comprehensive text summarizes what is known about the myriad of different neurological conditions that cause dysfunction of communication, swallowing, and
breathing as it relates to the upper aerodigestive tract. It serves to provide clinicians and scientists, at all levels of experience, a practical and thorough review of these diseases, their management, and frontiers in science. Chapters are written by experts in these conditions from a broad spectrum of medical specialties in order to create a book that is inclusive of diagnostic and therapeutic considerations that clinicians should think about when caring for patients with these conditions. Neurologic and Neurodegenerative Diseases of the Larynx will be an instrumental resource in guiding clinicians to better recognize the subtle and not so subtle voice, swallowing, and airway manifestations of these diseases, and improve management of patient symptoms and concerns in order to maximize both quality of life and longevity. It will aide otolaryngologists, laryngologists, neurologists, speech language pathologists, and other allied health care professionals in developing a more efficient, evidence-based, patient-focused, and multi-specialty approach to managing these complex and challenging patients.

**Academic Pain Medicine**

Successfully correlate electrodiagnostic findings and neuromuscular ultrasound with key clinical findings with Electromyography and Neuromuscular Disorders, 4th Edition. This popular text is the go-to resource for clinicians at all levels of experience who have an interest in neuromuscular medicine, including those studying for the AANEM board exam. An easy-to-read writing style, abundant case studies, and learning features online help you master the electrodiagnostic evaluation and improve safety and accuracy. Helps you diagnose neuromuscular disorders more quickly and accurately, and correlate electromyographic and clinical findings. Explains complex subject matter in an easy-to-understand, user-friendly manner. Includes dozens of detailed, cross-sectional anatomy drawings to ensure correct EMG needle placement and avoid neurovascular injuries. Features new chapters on Neuromuscular Ultrasound, as well as incorporating neuromuscular ultrasound in the evaluation of clinical neuromuscular disorders along with electrodiagnostic studies in many of the clinical chapters. Provides up-to-date information on iatrogenic complications of electrodiagnostic studies and newly defined genetic neuromuscular conditions. Includes online access to more than 70 videos that allow you to see and hear the EMG waveforms discussed in the text, as well as a convenient "Test Your Knowledge" module.

**Tunnel Syndromes**

As many as 80% of patients will suffer from back pain at some point in their lifetime. It is the most common form of disability, and the second largest cause of work absenteeism. An early, proactive management approach offers the best route to minimizing these conditions. Renowned authority Curtis W. Slipman, MD and a team of multidisciplinary authorities present you with expert guidance on today's best non-surgical management methods, equipping you with the knowledge you need to offer your patients optimal pain relief. Refresh your knowledge of the basic principles that must be understood before patients with spinal pain can be properly treated. Know what to do when first-line tests and therapies fail, using practice-proven diagnostic and therapeutic algorithms. Offer your patients a full range of non-surgical treatment options, including pharmacology, physical therapy, injection techniques, ablative procedures, and percutaneous disc decompression. Make an informed surgical referral with guidance on indications, contraindications, methods, and postoperative rehabilitation. Better understand key techniques and procedures with visual guidance from more than 500 detailed illustrations.

**Essentials of Electrodiagnostic Medicine**
Comprehensive, thoroughly updated, and expanded, Neuromuscular Disorders in Clinical Practice, Second Edition encompasses all disorders of the peripheral nervous system, covering all aspects of neuromuscular diseases from diagnosis to treatment. Mirroring the first book, this two-volume edition is divided into two parts. Part one discusses the approach to neuromuscular disorders, covering principles and basics, neuromuscular investigations, and assessment and treatment of neurological disorders. Part two then addresses the complete range of specific neuromuscular diseases: neuronopathies, peripheral neuropathies, neuromuscular junction disorders, muscle ion channel disorders, myopathies, and miscellaneous neuromuscular disorders and syndromes. Neuromuscular Disorders in Clinical Practice, Second Edition is intended to serve as a comprehensive text for both novice and experienced practitioners. General neurologists as well as specialists in neuromuscular medicine and trainees in neuromuscular medicine, clinical neurophysiology and electromyography should find this book inclusive, comprehensive, practical and highly clinically focused. Additionally, specialists in physical medicine and rehabilitation, rheumatology, neurosurgery, and orthopedics will find the book of great value in their practice.

Ultrasound Evaluation of Focal Neuropathies

This book is a practical and evidence-based guide to performing clinical musculoskeletal ultrasound for patients suffering from various rheumatic diseases. It represents the best current thinking on the role of ultrasonography in the assessment of pathology, diagnosis and treatment of these disorders. Following introductory chapters covering fundamental techniques and pitfalls of musculoskeletal ultrasound, the book discusses the uses of ultrasound to identify and monitor different rheumatic conditions, including rheumatoid arthritis, ankylosing spondylitis, osteoarthritis, pediatric musculoskeletal disorders, carpal tunnel syndrome and inflammatory conditions. It concludes with a chapter dedicated to ultrasound-guided interventional procedures, with illustrations depicting patients and probe positioning. Featuring contributions from a large international group of leaders in musculoskeletal ultrasonography, Musculoskeletal Ultrasonography in Rheumatic Diseases is an authoritative reference for rheumatologists, sonographers, radiologists and orthopedic specialists.

Essentials of Electrodiagnostic Medicine

Honorable Mention, 2015 PROSE Award in Clinical Medicine Practice With a “how-to” approach, the author meticulously describes the clinical evaluation of the peripheral nerves throughout the body using high-frequency ultrasound. Evaluations include both normal and pathologic findings, as well as discussions of relevant non-neurologic tissue. The book opens with an introduction to ultrasound physics, instrumentation, and image optimization. The remainder of the text is a highly visual tour through the multiple nerves of the shoulder, neck, and upper and lower limbs, focusing on sonographic technique and correct interpretation of findings. Clinical cases that integrate anatomic localization with clinical and electrodiagnostic assessment are incorporated throughout. Also includes a bound-in DVD with live motion video loops of the examinations to correspond with stills in the book to demonstrate the important dynamic information ultrasound provides.

Ultrasound Evaluation of Focal Neuropathies features: Comprehensive yet practical text and atlas with detailed discussion of the strengths and weaknesses of clinical and electrodiagnostic assessments Thorough guide to ultrasound techniques and appearance of normal and abnormal peripheral nerves Clinical cases that pair the imaging information with clinical and electrodiagnostic findings are interwoven throughout with analysis of anatomy relevant to the peripheral nerves being studied Hundreds of high-quality images and line drawings to correlate anatomy and reflect probe placement Companion DVD with motion loops is provided to facilitate understanding of the dynamic
Atlas of Ultrasound Guided Musculoskeletal Injections

The annual CPT "TM" Professional Edition provides the most comprehensive and convenient access to a complete listing of descriptive terms, identifying codes, and anatomical and procedural illustrations for reporting medical services and procedures. The 1999 edition includes more than 500 code changes. To make coding easy, color-coded keys are used for identifying section and sub-headings, and pre-installed thumb-notch tabs speed searching through codes. Also includes 125 procedural and anatomical illustrations and an at-a-glance list of medical vocabulary.

Spine Secrets Plus E-Book

Essentials of Electrodiagnostic Medicine is an intermediate level text for residents, fellows, and practitioners. This practical book is readable in the course of a standard resident rotation and ideal for board exam review, while also comprehensive enough to be a useful reference. The second edition has been thoroughly updated throughout while retaining the key features of the first edition. Essentials of Electrodiagnostic Medicine is divided into two parts. The first part covers the theoretical and technical fundamentals including basic electronics, instrumentation, and the anatomical, physiological, and pathological underpinnings of electrodiagnostic medicine. The second half of the book is devoted to the clinical applications and electroclinical correlations of the most common diseases and conditions. Each chapter begins with an outline and concludes with a bulleted list of key points and annotated bibliography that succinctly summarizes the relevant literature. Essentials of Electrodiagnostic Medicine features: Practical, readable, treatment of the fundamentals of electrodiagnostic medicine Designed for use during a standard EMG rotation Covers clinical neuromuscular disease in addition to basic electrodiagnostic concepts Each chapter contains detailed summaries, key points, and an annotated bibliography

Electromyography and Neuromuscular Disorders E-Book

Neuromuscular Ultrasound demonstrates the use of ultrasound as an alternative to electrodiagnosis in the evaluation of neuromuscular disorders through detailed descriptions and clear illustrations. Drs. Francis Walker and Michael S. Cartwright discuss techniques for visualizing muscles and nerves without painful testing for better patient compliance and more efficient diagnosis. Color illustrations, pearls for the clinician, and ultrasound videos online at www.expertconsult.com, ensure that you’ll be able to apply this technology effectively in your practice. Access the fully searchable text online at www.expertconsult.com, along with ultrasound videos that demonstrate ultrasound evaluation in real time. Diagnose and manage your patients more quickly and easily by visualizing muscles and nerves without painful testing. Master the nuances of using ultrasound through the visual instruction of clear images and illustrations. Minimize patient discomfort while maximizing optimal patient evaluation with a practical focus that covers using ultrasound as a screening tool, provides clinical pearls, and includes comparisons to electrodiagnosis. Apply the full range of ultrasound applications, including interventional uses (such as ultrasound-guided botulinum toxin and steroid injections), ultrasound of polyneuropathies (often found in diabetics), and more.

LIFESPAN NEUROREHABILITATION

Cubital tunnel syndrome is the second most common compression neuropathy in the upper extremity. While the treatment of carpal tunnel syndrome is relatively
straightforward, there is much debate regarding the most efficient diagnostic methods, appropriate non-surgical management, and surgical management of cubital tunnel syndrome. This unique book is sensibly divided into three thematic sections. Part one reviews the relevant anatomy and presents the physical exam and diagnostic test modalities, along with non-surgical treatment strategies such as splinting and injections as well as the role of physical therapy. Surgical treatment strategies are discussed in detail in part two, including decompression, anterior transposition, minimal medial epicondylectomy and ulnar motor nerve transfer. Management of the failed release is highlighted here as well. Part three describes outcomes, acute and chronic complications and rehabilitation. Case material will be included where appropriate to provide real-world illustration of the presentations and procedures discussed. Practical yet comprehensive, Cubital Tunnel Syndrome will be an excellent resource for orthopedic, hand and plastic surgeons, trainees and residents, with content that will also be useful for physical therapists and rehabilitation specialists.

**Surgical Disorders of the Peripheral Nerves**

The use of ultrasound guidance to perform diagnostic and therapeutic injections is growing at a rapid rate, as is the evidence to support its use. Even with the increased popularity of ultrasound, there remains a lack of formal training or a standard reference book. Atlas of Ultrasound Guided Musculoskeletal Injections fills this void in the literature and will be useful to physiatrists, orthopedists, rheumatologists, pain medicine and sports medicine specialists alike. Broken down by anatomic structure and heavily illustrated, this book is both comprehensive and instructive. The Editors and their contributors break down the basics (both the fundamentals of ultrasound to needle visibility and the role of injections) and explore ultrasound-guided injection for structures in the shoulder, elbow, wrist and hand, hip and groin, knee, ankle and foot, and spine. Using a clear, heavily illustrated format, this book describes the relevant clinical scenarios and indications for injection, the evidence to support ultrasound use, relevant local anatomy, injection methods, and pearls and safety considerations. It will be a valuable reference for trainees and experienced clinicians alike, for experienced sonographers or those just starting out.

**Musculoskeletal Ultrasonography in Rheumatic Diseases**

Intended for clinicians who perform electrodiagnostic procedures as an extension of their clinical examination, and for neurologists and physiatrists who are interested in neuromuscular disorders and noninvasive electrodiagnostic methods, particularly those practicing electromyography (EMG) this book provides a comprehensive review of most peripheral nerve and muscle diseases, including specific techniques and locations for performing each test.

**Cpt 1999**

Practical and user-friendly, this text provides the orthopedic and hand surgeon with all the essential information for diagnosing and treating carpal tunnel syndrome (CTS) and other median neuropathies of the hand and wrist, with special emphasis on challenges and complications. Organized to allow for easy searching of specific subject matter, opening chapters discuss anatomy of the median nerve, history and pathophysiology of CTS, clinical presentation and diagnosis, including imaging, and severity scoring. Presentation of various treatment strategies follows, both non-operative and surgical, including open and endoscopic techniques and revision surgery, incomplete release, transection, use of the reverse radial forearm flap, vein wrap, synovial wrap, and microneurolysis. Other median neuropathies are discussed as well, including neuromas
and stimulation for chronic median nerve pain. Generously illustrated, Carpal Tunnel Syndrome and Related Median Neuropathies is a valuable resource for orthopedic and hand surgeons on the evaluation and treatment of complications and complexities arising from carpal tunnel syndrome and surgery.

**Principles of CPT Coding**

“The goal of the electromyographer is to localize lesions and to characterize them. In order to accomplish these goals, a minimum core of knowledge in neuroscience is required. This textbook provides that core of neuroscientific knowledge as a stepping stone to lesion localization and characterization (Section 1). This is followed by the demonstration of how this information is actually utilized in the electromyography (EMG) laboratory using a case-study approach (Section 2)”--