

Atlas Of Muscle Innervation Zones Understanding Surface Electromyography And Its Applications

Experimental Methods in Biomechanics
 Netter Atlas of Human Anatomy: Classic Regional Approach - Ebook
 Atlas of Human Anatomy, Professional Edition E-Book
 Hinman's Atlas of UroSurgical Anatomy E-Book
 Atlas of Nerve Conduction Studies and Electromyography
 Netter's Atlas of Anatomy for Speech, Swallowing, and Hearing - E-Book
 Electromyography
 Understanding Surface Electromyography and Its Applications
 Physiology, Engineering, and Applications
 Assistive, Surgical and Educational Robotics
 Proceedings of the 4th International Conference on NeuroRehabilitation (ICNR2018), October 16-20, 2018, Pisa, Italy
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 Atlas of Interventional Pain Management E-Book
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 Pocket Atlas of Acupuncture and Trigger Points
 Diagnosis and Management
 Management, Rehabilitation and Prevention
 Atlas of Clinical Gross Anatomy E-Book
 Spasticity, Second Edition
 Stroke Rehabilitation
 Proceedings of the AHFE 2018 International Conference on Human Factors in Transportation, July 21-25, 2018, Loews Sapphire Falls Resort at Universal Studios, Orlando, Florida, USA
 Atlas of Abdominal Wall Reconstruction E-Book
 Advances in Social & Occupational Ergonomics
 New Trends in Medical and Service Robots
 including NetterReference.com Access with Full Downloadable Image Bank
 Botulinum Toxin Therapy
 Neuro-motor control and feed-forward models of locomotion in humans
 Sobotta Clinical Atlas of Human Anatomy, one volume, English
 The Shoulder in Sport
 Color Atlas and Textbook of Human Anatomy
 Principles and Practice
 Atlas of Artifacts in Clinical Neurophysiology
 Surface Electromyography: Barriers Limiting Widespread use of sEMG in Clinical Assessment and Neurorehabilitation
 Proceedings of the AHFE 2019 International Conference on Social and Occupational Ergonomics, July 24-28, 2019, Washington D.C., USA
 Advances in Human Aspects of Transportation
 Proceedings of the 20th Congress of the International Ergonomics Association (IEA 2018)
 CMOS Circuits for Biological Sensing and Processing
 Proceedings of the AHFE 2016 International Conference on Social and Occupational Ergonomics, July 27-31, 2016, Walt Disney World®, Florida, USA
 Topographical and Pathotopographical Medical Atlas of the Human Body

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Experimental Methods in Biomechanics Thieme

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

Netter Atlas of Human Anatomy: Classic Regional Approach - Ebook John Wiley & Sons

Since publication of the first edition, Spasticity: Diagnosis and Management has been the defining reference and go-to source for physicians, therapists, and other healthcare providers who care for patients with spasticity. For this new updated edition, Dr. Brashear and a diverse team of specialists have come together to integrate new research, clinical trials, measurement tools, therapies, and other recent advances that reflect this evolving field. The book is organized into four sections, each of which covers a broad scope of material. The first is a general overview of spasticity and its effects on movement in patients. Other chapters cover epidemiology and ancillary findings commonly associated with spasticity. Part II details assessment tools and measurements, treatment goals, and how to aim for realistic outcomes. Part III outlines various treatment modalities, including heavily updated chapters on the use of botulinum toxin in the upper and lower extremities, guidance techniques for injections, intrathecal baclofen, neuromodulation, surgery, physical therapy, and more. The last section, which contains several new chapters, discusses evaluation of outcomes and management of patients with stroke, traumatic brain injury, spinal cord injuries, multiple sclerosis, cerebral palsy, and cancer, followed by chapters on spasticity management in long-term care facilities and economic considerations. This book remains the most comprehensive guide to diagnosis and management of spasticity in adults and children, and the revised second edition will continue to serve as an invaluable resource for professionals in any discipline who strive to provide quality care to spasticity patients. Key Features: Revised edition of the premier clinical reference on spasticity Incorporates the latest advances in assessment and treatment Contains six entirely new chapters highlighting key topics including Tardieu scale and other measurement tools, ultrasound guidance for botulinum toxin management, spasticity in special populations, emerging therapies,

and economic impact More than 200 figures and 70 tables accompany the updated text

Atlas of Human Anatomy, Professional Edition E-Book Elsevier Health Sciences

Reflects on developments in noninvasive electromyography, and includes advances and applications in signal detection, processing and interpretation Addresses EMG imaging technology together with the issue of decomposition of surface EMG Includes advanced single and multi-channel techniques for information extraction from surface EMG signals Presents the analysis and information extraction of surface EMG at various scales, from motor units to the concept of muscle synergies.

Hinman's Atlas of UroSurgical Anatomy E-Book Springer

Beautifully and lavishly illustrated, Atlas of Nerve Conduction Studies and Electromyography demystifies the major conditions affecting peripheral nerves and provides electrodiagnostic strategies for confirming suspected lesions of the peripheral nervous system. Building on the success of the landmark Atlas of Electromyography, this new text is divided into sections based on the major peripheral nerves. It contains detailed illustrations of each nerve along with a discussion of its anatomy, followed by a thorough outline of the clinical conditions and entrapment syndromes that affect the nerve, including a list of the etiologies, clinical features, and electrodiagnostic strategies used for each syndrome. Routine and special motor and sensory nerve conduction studies are shown in an anatomical illustration. In addition, each muscle supplied by the peripheral nerve is illustrated showing the root, plexus, and peripheral nerve supply to the muscle and is accompanied by a corresponding human photograph. Written text provides information about the nerve conduction studies, muscle origin, tendon insertion, voluntary activation maneuver, and the site of optimum needle insertion, which is identified in the figures by a black dot or a needle electrode. Atlas of Nerve Conduction Studies and Electromyography is the perfect anatomical guide for neurologists, specialists in physical medicine and rehabilitation, and electrodiagnostic medicine consultants, while also providing support for individuals in residency training programs, critical care medicine, neurological surgery, and family practice.

Atlas of Nerve Conduction Studies and Electromyography Elsevier Health Sciences

The Sobotta Clinical Atlas of Human Anatomy is tailored specifically to the needs of medical and health professional students. It utilizes a regional approach for learning human anatomy that integrates core concepts of anatomical structure and function with modern methods of diagnostic imaging, cross-sectional anatomy, illustrations of real world functions, clinically relevant surface anatomy and key examples of how anatomical knowledge informs clinical practice. The 'Clinical Remarks' and 'Structure/Function' sections provide important and easily identifiable practical examples, which reinforce clinical application of anatomical knowledge. Moreover, all anatomical images are accompanied by descriptive text and summary tables which serve to highlight the key concepts associated with each specific image. Key features of the atlas include: More than 1850 anatomical, radiological, cross-sectional and functional images with clinically relevant labels give you a solid grounding in human anatomy Descriptive text provides you with additional information for all images Summary tables allow you to organize valuable key concepts The regional approach to anatomy enables you to place functional, clinical and cross-sectional images in context 'Clinical Remarks' and 'Structure/Function' vignettes give you a head-start in learning anatomy in a clinically relevant manner Surface anatomy illustrations equip you with valuable knowledge for your first physical examinations The perfect study tool for courses in medicine - as well as a range of other courses, including dentistry, pharmacy, nursing, kinesiology or the movement sciences and physician assistants A unique PIN code provides you with bonus access to a complete digital copy of your atlas

Netter's Atlas of Anatomy for Speech, Swallowing, and Hearing - E-Book Springer Nature

Atlas of Muscle Innervation Zones Understanding Surface Electromyography and Its Applications Springer Science & Business Media
Electromyography John Wiley & Sons

The detailed illustrations in Hinman's Atlas of UroSurgical Anatomy, supplemented by radiologic and pathologic images, help you clearly visualize the complexities of the genitourinary tract and its surrounding anatomy so you can avoid complications and provide optimal patient outcomes. This medical reference book is an indispensable clinical tool for Residents and experienced urologic surgeons alike. See structures the way they appear during surgery through illustrations, as well as a number of newly added intra-operative photographs. Operate with greater confidence with the assistance of this extensively enhanced complement to Hinman's Atlas of Urologic Surgery, 3rd Edition. View the anatomy of genitourinary and other organs and their surrounding structures through detailed illustrations, most of which are newly colored since the 1st Edition, conveniently organized by body region. Understand normal anatomy and selected alterations in normal anatomy more completely through a large collection of newly added clinical, radiologic and pathologic images.

Understanding Surface Electromyography and Its Applications Springer Nature

In a rapidly progressing field, Botulinum Toxin Therapy provides both clinicians and basic researchers with the latest science on the structure and function of botulinum toxins and the use of these toxins to treat a wide variety of diseases. Part 1 of the book reviews the basic science of botulinum toxins including advances in our understanding of the molecular structure and mechanism of action of botulinum toxins. This section also discusses the manufacturing and formulation of botulinum toxins for clinical use and the development of novel therapeutic toxins for the future. Part 2 reviews the use of botulinum toxins in clinical practice. It discusses the clinical pharmacology of botulinum toxin drugs and their use in a wide variety of clinical conditions including headache, spasticity, pain, disorders of the genitourinary and gastrointestinal tract, strabismus, and medical aesthetics.

Physiology, Engineering, and Applications Springer

The book reports on advanced topics in the areas of neurorehabilitation research and practice. It focuses on new methods for interfacing the human nervous system with electronic and mechatronic systems to restore or compensate impaired neural functions. Importantly, the book merges different perspectives, such as the clinical, neurophysiological, and bioengineering ones, to promote, feed and encourage collaborations between clinicians, neuroscientists and engineers. Based on the 2018 International Conference on Neurorehabilitation (ICNR 2018) held on October 16-20, 2018, in Pisa, Italy, this book covers various aspects of neurorehabilitation research and practice, including new insights into biomechanics, brain physiology, neuroplasticity, and brain damages and diseases, as well as innovative methods and technologies for studying and/or recovering brain function, from data mining to interface technologies and neuroprosthetics. In this way, it offers a concise, yet comprehensive reference guide to neurosurgeons, rehabilitation physicians, neurologists, and bioengineers. Moreover, by highlighting current challenges in understanding brain diseases as well as in the available technologies and their implementation, the book is also expected to foster new collaborations between the different groups, thus stimulating new ideas and research directions.

Assistive, Surgical and Educational Robotics Springer Nature

Arranged by anatomic region, Atlas of Interventional Pain Management provides pain medicine specialists in practice and in training with the most up-to-date and practical guide to over 160 interventional pain management techniques. High-quality photographs, procedural videos, and 19 brand-new chapters combine to offer the detailed guidance you need to implement safe, effective treatments and achieve the best possible outcomes in Pain Medicine. Maximize your success rate and reduce complications with CPT codes for each procedure, as well as indications, relevant anatomy, technique, side effects and complications, and clinical pearls. Integrate interventional techniques into your practice with lavish, detailed illustrations that highlight the key steps in each procedure. View line drawings paired with CT, MR and/or radiographic images to illustrate relevant points in the text. Stay current on the latest injection techniques with 19 brand-new chapters including: Brachial Plexus Block - Infraclavicular Approach; Transverse Abdominis Plane Block; Anterior Cutaneous Nerve Block; Lumbar Grey Ramus Communicans Block; Lumbar Grey Ramus Communicans Block - Radiofrequency Lesioning; and more. Expand the breadth of procedures you perform by focusing on the "how" rather than the "why" of various pain-relieving techniques. Increase needle-placement precision and find the exact location to deliver the nerve block with significantly expanded fluoroscopy- and ultrasound-guided content. Visualize proper needle placement with help from an increased number of high-quality photographs. Understand how techniques are performed by watching procedural videos that cover Cervical Translaminar Epidural Block; Cervical Paravertebral Medical Branch Block; Percutaneous Facet Fusion; Lumbar Transforaminal Epidural Block; and more. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability.

Proceedings of the 4th International Conference on NeuroRehabilitation (ICNR2018), October 16-20, 2018, Pisa, Italy Oxford University Press

Encyclopedia of Biomedical Engineering is a unique source for rapidly evolving updates on topics that are at the interface of the biological sciences and engineering. Biomaterials, biomedical devices and techniques play a significant role in improving the quality of health care in the developed world. The book covers an extensive range of topics related to biomedical engineering, including biomaterials, sensors, medical devices, imaging modalities and imaging processing. In addition, applications of biomedical engineering, advances in cardiology, drug delivery, gene therapy, orthopedics, ophthalmology, sensing and tissue engineering are explored. This important reference work serves many groups working at the interface of the biological sciences and engineering, including engineering students, biological science students, clinicians, and industrial researchers. Provides students with a concise description of the technologies at the interface of the biological sciences and engineering Covers all aspects of biomedical engineering, also incorporating perspectives from experts working within the domains of biomedicine, medical engineering, biology, chemistry, physics, electrical engineering, and more Contains reputable, multidisciplinary content from domain experts Presents a 'one-stop' resource for access to information written by world-leading scholars in the field

Advances in Human Factors in Wearable Technologies and Game Design Elsevier

The 25th anniversary edition of Frank H. Netter, MD's Atlas of Human Anatomy celebrates his unsurpassed depiction of the human body in clear, brilliant detail - all from a clinician's perspective. With its emphasis on anatomic relationships and clinically relevant views, this user-friendly resource quickly became the #1 bestselling human anatomy atlas worldwide, and it continues to provide a coherent, lasting visual vocabulary for understanding anatomy and how it applies to medicine today. Dr. Netter brought the hand of a master medical illustrator, the brain of a physician and the soul of an artist to his illustrations of the human body, and his work continues to teach and inspire. "One of the leading human anatomy textbooks has just turned 25 and it's better than ever." Reviewed by Physiopedia, Apr 2015 View anatomy from a clinical perspective with hundreds of exquisite, hand-painted illustrations created by pre-eminent medical illustrator Frank H. Netter, MD. Join the global community of healthcare professionals who rely on Netter to optimize learning and clarify even the

most difficult aspects of human anatomy. Comprehensive labeling uses the international anatomic standard terminology, Terminologia Anatomica, and every aspect of the Atlas is reviewed and overseen by clinical anatomy and anatomy education experts. Consulting Editors include: John T. Hansen, PhD; Brion Benninger, MD, MS; Jennifer Brueckner-Collins, PhD, Todd M. Hoagland, PhD, and R. Shane Tubbs, MS, PA-C, PhD. Leverage the Netter "visual vocabulary" you learned in school to grasp complex clinical concepts at a glance. Explore additional unique perspectives of difficult-to-visualize anatomy through all-new paintings by Dr. Carlos Machado, including breast lymph drainage; the pterygopalatine fossa; the middle ear; the path of the internal carotid artery; and the posterior knee, plus additional new plates on arteries of the limbs and new radiologic images. Master challenging structures with visual region-by-region coverage -- including Muscle Table appendices at the end of each Section. Access the full downloadable image bank of the current Atlas as well as additional Plates from previous editions and other bonus content at NetterReference.com. [*Your Registered User License allows for the creation of presentations for your individual, personal use which you can present in small group settings of 10 or fewer people. It also permits registered student users to include images in posters at scientific conferences as long as proper citation is included. Complete Registered User License as well as contact information for Institutional sales can be found at www.NetterReference.com.]

Atlas of Interventional Pain Management E-Book Springer Publishing Company

A complete overview of electromyography with contributions from pacesetters in the field In recent years, insights from the field of engineering have illuminated the vast potential of electromyography (EMG) in biomedical technology. Featuring contributions from key innovators working in the field today, Electromyography reveals the broad applications of EMG data in areas as diverse as neurology, ergonomics, exercise physiology, rehabilitation, movement analysis, biofeedback, and myoelectric control of prosthesis. Bridging the gap between engineering and physiology, this pioneering volume explains the essential concepts needed to detect, understand, process, and interpret EMG signals using non-invasive electrodes. Electromyography shows how engineering tools such as models and signal processing methods can greatly augment the insight provided by surface EMG signals. Topics covered include: Basic physiology and biophysics of EMG generation Needle and surface electrode detection techniques Signal conditioning and processing issues Single- and multi-channel techniques for information extraction Development and application of physical models Advanced signal processing techniques With its fresh engineering perspective, Electromyography offers physiologists, medical professionals, and students in biomedical engineering a new window into the far-reaching possibilities of this dynamic technology.

Converging Clinical and Engineering Research on Neurorehabilitation III Elsevier Health Sciences

Written by an experienced and well-respected physician and professor, this new volume, building on the previous volume, Ultrasonic Topographical and Pathotopographical Anatomy, also available from Wiley-Scrivener, presents the ultrasonic topographical and pathotopographical anatomy of the head and neck, offering further detail into these important areas for use by medical professionals. This atlas of topographic and pathotopographic human anatomy is a fundamental and practically important book designed for doctors of all specializations and students of medical schools. Here you can find almost everything that is connected with the topographic and pathotopographic human anatomy, including original graphs of logical structures of topographic anatomy and development of congenital abnormalities, topography of different areas in layers, pathotopography, computer and magnetic resonance imaging (MRI) of topographic and pathotopographic anatomy. Also you can find here new theoretical and practical sections of topographic anatomy developed by the author himself which are published for the first time. They are practically important for mastering the technique of operative interventions and denying possibility of iatrogenic complications during operations. This important new volume will be valuable to physicians, junior physicians, medical residents, lecturers in medicine, and medical students alike, either as a textbook or as a reference. It is a must-have for any physician's library.

Pocket Atlas of Acupuncture and Trigger Points Springer

For students and clinical professionals who are learning anatomy, participating in a dissection lab, sharing anatomy knowledge with patients, or refreshing their anatomy knowledge, the Netter Atlas of Human Anatomy illustrates the body, region by region, in clear, brilliant detail from a clinician's perspective. Unique among anatomy atlases, it contains illustrations that emphasize anatomic relationships that are most important to the clinician in training and practice. Illustrated by clinicians, for clinicians, it contains more than 550 exquisite plates plus dozens of carefully selected radiologic images for common views. Presents world-renowned, superbly clear views of the human body from a clinical perspective, with paintings by Dr. Frank Netter as well as Dr. Carlos A. G. Machado, one of today's foremost medical illustrators. Content guided by expert anatomists and educators: R. Shane Tubbs, Paul E. Neumann, Jennifer K. Brueckner-Collins, Martha Johnson Gdowski, Virginia T. Lyons, Peter J. Ward, Todd M. Hoagland, Brion Benninger, and an international Advisory Board. Offers region-by-region coverage, including muscle table appendices at the end of each section and quick reference notes on structures with high clinical significance in common clinical scenarios. Contains new illustrations by Dr. Machado including clinically important areas such as the pelvic cavity, temporal and infratemporal fossae, nasal turbinates, and more. Features new nerve tables devoted to the cranial nerves and the nerves of the cervical, brachial, and lumbosacral plexuses. Uses updated terminology based on the second edition of the international anatomic standard, Terminologia Anatomica, and includes common clinically used eponyms. Provides access to extensive digital content: every plate in the Atlas?and over 100 bonus plates including illustrations from previous editions?is enhanced with an interactive label quiz option and supplemented with "Plate Pearls" that provide quick key points and supplemental tools for learning, reviewing, and assessing your knowledge of the major themes of each plate. Tools include over 300 multiple choice questions, videos, 3D models, and links to related plates. Own your own personal copy of the world-famous Netter Atlas of Human Anatomy! This well-loved title, now in 8th edition, is available in multiple options. Choose the one best for you: • Netter Atlas of Human Anatomy: Classic Regional Approach—described above • Netter Atlas of Human Anatomy: A Systems Approach—Same content as the classic regional approach, but organized by organ systems. • Netter Atlas of Human Anatomy: Classic Regional Approach with Latin terminology All options contain the same table information and same 550+ illustrated plates painted by clinician artists, Frank H. Netter, MD, and Carlos Machado, MD.

Diagnosis and Management Elsevier Health Sciences

Aesthetic Plastic Surgery Video Atlas - edited by Dr. Bahman Guyuron et al. - brings you the detailed visual guidance and unmatched expertise you need to master the most popular cosmetic surgery procedures and achieve breathtaking results. Full-color photographs and narrated procedural videos lead you step-by-step through techniques such as breast augmentation, non-surgical facial rejuvenation with fillers, periorbital rejuvenation, primary rhinoplasty, and more. Tips and tricks from a veritable "who's who" in plastic surgery equip you to successfully deliver the results your patients expect. At www.expertconsult.com you can reference the complete text, download the images, and watch the videos anytime, anywhere from any computer. Visualize how to proceed through a highly visual format that employs full-color art and video clips to demonstrate breast augmentation, non-surgical facial rejuvenation with fillers, periorbital rejuvenation, primary rhinoplasty, and more. Avoid

pitfalls and achieve the best outcomes thanks to a step-by-step approach to each procedure, complete with tips and tricks of the trade from leading experts in aesthetic plastic surgery. See how the masters do it! Watch video clips of 16 key procedures (two hours running time) being performed by experts, complete with narration explaining each step. Stay current with the latest techniques and findings about cohesive gel breast implants, the use of minimally invasive techniques, and other hot topics. Take it with you anywhere! Access the full text, downloadable image library, video clips, and more at www.expertconsult.com.

John Wiley & Sons

This concise pocket-sized acupuncture guide is what professionals have been asking for! It is the first pocket atlas to cover all the major body and ear acupuncture points, including extensive coverage of the trigger points. Detailed descriptions of the localization, needling depth, indications, and functions of each point are provided. The different schools of ear acupuncture (e.g., Chinese vs. Nogier), often a source of confusion for practitioners, are presented side by side, usually in full-page illustrations, enhancing this book's usefulness as a daily reference guide. The presentation of three acupuncture therapy systems follows a clear didactic concept: All points are shown in text and image, and the localization of the points is aided by means of anatomic drawings and photographs. Coming from diverse specialties, the authors provide you with the most complete, useful, and accurate information available. Acupuncture points are described using the "visual-didactic processing system," which is rapidly gaining praise and recognition for its easy-to-use format. The clearly written text is augmented by high-quality color images. Hecker's Pocket Atlas of Acupuncture and Trigger Points is ideal as a quick reference in your daily practice or as an exam preparation guide. This wealth of information makes it invaluable to experienced practitioners and to novices alike.

Management, Rehabilitation and Prevention Elsevier Health Sciences

This book discusses the latest advances in research and development, design, operation and analysis of transportation systems and their complementary infrastructures. It reports on both theories and case studies on road and rail, aviation and maritime transportation. Further, it covers a wealth of topics, from accident analysis, vehicle intelligent control, and human-error and safety

issues to next-generation transportation systems, model-based design methods, simulation and training techniques, and many more. A special emphasis is placed on smart technologies and automation in transport, and on the user-centered, ergonomic and sustainable design of transport systems. The book, which is based on the AHFE 2018 International Conference on Human Factors in Transportation, held in Orlando, Florida, USA on July 21-25, 2018, mainly addresses the needs of transportation system designers, industrial designers, human-computer interaction researchers, civil and control engineers, as well as vehicle system engineers. Moreover, it represents a timely source of information for transportation policy-makers and social scientists whose work involves traffic safety, management, and sustainability issues in transport.

Atlas of Clinical Gross Anatomy E-Book Atlas of Muscle Innervation Zones Understanding Surface Electromyography and Its Applications

This is the first textbook to comprehensively cover the experimental methods used in biomechanics. Designed for graduate students and researchers studying human biomechanics at the whole-body level, the book introduces readers to the theory behind the primary data collection methods and primary methods of data processing and analysis used in biomechanics. Each individual chapter covers a different aspect of data collection or data processing, presenting an overview of the topic at hand and explaining the math required for understanding the topic. A series of appendices provide the specific math that is required for understanding the chapter contents. Each chapter leads readers through the techniques used for data collection and processing, providing sufficient theoretical background to understand both the how and why of these techniques. Chapters end with a set of review questions, and then a bibliography which is divided into three sections (cited references, specific references, and useful references). Provides a comprehensive and in depth presentation on methods in whole-body human biomechanics; First textbook to cover both collection and processing in a single volume; Appendices provide the math needed for the main chapters. .

Spasticity, Second Edition Springer Nature

Emphasizing clinical anatomy, the text integrates current information from an array of medical disciplines into the discussions of the nervous system and sensory organs, including in-depth coverage of key topics, including molecular signaling, the interplay between ion channels and transmitters, imaging techniques such as PET, CT, and NMR, and much more.

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