Anatomy Lumbar Spine
Clinical Anatomy of the Lumbar Spine-Scott E. Forseen, MD 2015-12-17 An Atlas for the 21st Century The most precise, cutting-edge images of normal spinal anatomy available today are the centerpiece of this spectacular atlas for imaging professionals and anyone who needs to understand the anatomy of the lumbar spine. The book is designed to provide an in-depth overview of the anatomy of the lumbar spine, with clear, concise, step-by-step descriptions of the anatomy and procedures along with clinical hints and pearls, and management algorithms providing useful and trusted guidance for identification of lumbar spine abnormalities. The scope of the book includes over 1500 images and illustrations generated from conventional and advanced imaging techniques, as well as surgical and physical therapy views. Over 170 additional illustrations and photos enhance and support the new information covered in this edition.

Surgical Anatomy of the Lumbar Plexus-R. Shane Tubbs 2018-10-22 Dedicated guide to the lumbar plexus provides invaluable anatomical and surgical insights Thorough knowledge of the lumbar plexus and its branches is crucial to achieve positive surgical outcomes, especially with new surgical approaches. Many of the nerve branches are formed within the perineal major muscle and careful dissection is necessary to free them during surgery to prevent damage. Moreover, the lumbar plexus is an integral component of the pelvic autonomic system, containing the sympathetic preganglionic nerves, and precise knowledge of these nerves is required to prevent potentially disastrous complications. Detailed knowledge of the lumbar plexus is essential to patients undergoing operations that require a profound knowledge of the vascular anatomy involved. Accordingly, a growing demand for training in this special field has become evident over the last 25 years, making improvement of this knowledge in all Neuro-orthopaedists, neurosurgeons, pain specialists, physiatrists, neuroradiologists, and researchers in these specialties.

Functional Anatomy of the Spine-Alison Middleditch 2005 Provides therapists with the background knowledge that they require before they can safely and accurately treat patients with musculoskeletal disorders of the spine. It should be possessed by all those who work with patients suffering from low back pain.

Spinal Anatomy Jean-Marc Vital 2019-12-16 This richly illustrated and comprehensive book covers a broad range of normal and pathologic conditions of the vertebrae column, from its embryology to its development, its pathology, its dynamics and its depenentization. The dynamic anatomy of the living subject is viewed using the latest technologies, opening new perspectives to elucidate the pathophysiology of the spine and improve spinal surgery. The respective chapters review in depth the development of the spinal column, and makes it possible to deal with patients suffering from severe deformities and complex clinical situations. The author provides a deep understanding of the pathophysiology of the spine, with particular significance to the intervertebral disc, as well as detailed descriptions of the spondyloepiphysial and facet joint. This book offers a valuable comprehensive and practical reference for all students in the course of their training and for all practitioners who treat patients with spinal disorders and surgery with a biomechanical focus on the state-of-the-art and cutting-edge research in the field of spine biomechanics Discusses a variety of methods, including in vivo and in vitro testing, and identifies and element and material testing that orthopaedics have developed for the spine.

Bone anatomy-lumbar-spine

Surgical Anatomy of the Lumbar Plexus-Graef Cooper 2011-05-15 Bridging the gap between the medical literature and the practice of lumbar spine medicine, this user-friendly, accessible text describes the causes of lower back pain and associated “sciatic” pathologies and how these problems can be successfully treated. Beginning with a review of the anatomy of the lumbar spine and the most common causes of lower back pain (disc herniation), the book is divided into four main sections, the book opens with a review of fundamental basic science concepts, including epidemiology, anatomy, pathophysiology, histology, biomechanics, and mechanisms of pain. The second section covers the epidemiology, natural history, clinical presentation, and diagnostic evaluation of the lumbar spine and its disorders. The third section outlines the surgical indications and principles for lumbar spinal procedures. The final section offers detailed appraisal of the factors leading to their success or failure. It begins by explaining the scientific basis for surgery and considering the different diagnostic techniques that may be employed, thereby elucidating the surgical rationale, indicating the most effective surgical interventions, and reviewing the current state of the art. This comprehensive guide provides the information that you need to help you develop your own surgical philosophy. The book is intended for orthopaedic surgeons, neurosurgeons, spine surgeons, and anyone treating patients with lower back pain.

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