

The Cervical Spine Surgery Atlas

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C1 and C2 Atlantoaxial Instability Atlas \u0026 Axis Cervical Vertebrae (C1-C2) Anatomy Posterior Cervical Laminectomy and Fusion ACDF (Anterior Cervical Discectomy and Fusion) - What is it? How do you do it? What can I do after? ~~4-Week Post-Op ACDF Surgery~~ Atlas (C1) and Axis (C2) Vertebrae

ACDF Anterior Cervical Disectomy and Fusion Surgery / Spine Surgery / Internal Fixation Bone GraftCervical Lateral Flexion \u0026 Rotation BIOMECHANICS Video Atlas of Spine Surgical Techniques Cervical Stenosis: Traditional Technology vs. Newer Ultrasonic Technology for Spine Surgery Cervical Spine Surgery: She Thought It was \u201cMom Pain!\u201d and Then Her Arm Went Numb Surgical Anatomy of C1/C2 My Cervical Discectomy Story ~~4-week post-op ACDF Fused EP 2: Physical Therapy after a Spinal Fusion Most Important Exercise to Help Pinned Nerve and Neck Pain / Dr. Mandell~~ Atlas Self-Healing Rocking Technique (Neck, Head, \u0026 Neurological Healing) - Dr Alan Mandell, DC Anterior Cervical Discectomy \u0026 Fusion at C3-4, C4-5 \u0026 C5-6 ~~\$650K Result: Animated C4-7 Anterior Cervical Discectomy with Fusion~~

Spinal Fusion Surgery: Discharge, Recovery is long and involved.Cervical Fusion Surgery 3D animation C3-4 C5-6 C6-7 Upper Cervical Manipulation Anterior Cervical Discectomy and Fusion Cervical Spine Trauma - Everything You Need To Know - Dr. Nabil Ebraheim 1 Year Recovery After ACDF Surgery - Start to FinishMy experience of neck (Cervical) surgery - (Posterior Cervical Single-door Laminoplasty) Neck Surgery | Cervical Laminectomy | Nucleus Health Cervical Spine Anatomy - Jeffrey S. Roh, MD, MBA, MSc Posterior Cervical Laminectomy and Fusion - Procedure details, recovery, and expectations, Cervical spine - Anatomy, Diagram \u0026 Definition - Human Anatomy | Kenhub ~~The Cervical Spine Surgery Atlas~~

AEW's Dr. Michael Sampson says Trent is on the road to recovery from undergoing neck fusion surgery back on June 26. Sampson tweeted an x-ray photo of Trent and commented on how the surgery ...

~~X-ray Photo: Update On AEW Star Trent After Neck Surgery~~

Spinal surgery has some specific considerations with respect to ... readily available if spinal stabilization is expected or possible. Surgical Tips for the Cervical Spine The ventral slot technique ...

~~Spinal Surgery: Practical Tricks and Tips~~

The surgeons of Providence Sacred Heart Medical Center are about to take their surgical care up to a whole new level, offering quicker recovery to their patients. Thanks in part to donors who gave \$1.

~~New spinal surgery robot will offer cutting-edge care~~

When Ben Feldman learned that he needed immediate spinal surgery because two discs in his neck had broken down, "it was horrifying," the Superstore star said. For years, Feldman explained on Wednesday ...

~~Superstore's Ben Feldman Wrote a Will Before Undergoing Spinal Surgery: 'It Was Horrifying'~~

AEW's Dr. Michael Sampson says Trent is on the road to recovery from undergoing neck fusion surgery back on June 26. Sampson tweeted an x-ray photo of Trent and commented on how the surgery was a ...

~~X-Ray Photo And Update On AEW Star Following Recent Neck Fusion Surgery~~

The purpose of this study was to retrospectively review the outcomes and complications associated with 14 patients who had cervical spine surgery via the retropharyngeal approach to treat a ...

~~Complications of the Anterior Retropharyngeal Approach in Cervical Spine Surgery: A Technique and Outcomes Review~~

Also see Considering Minimally Invasive Spine Surgery. Anterior cervical discectomy is done to reduce pressure and discomfort by removing a herniated cervical disc through a small incision in the ...

~~Types of Minimally Invasive Spine Surgery~~

The purpose of the study is to determine the best surgical approach for subjects who have spinal cord problems ... for ventral surgery, dorsal fusion, and laminoplasty surgery are different. A third ...

~~Cervical Spondylotic Myelopathy Surgical Trial (CSM S Trial)~~

Spinal fusion is a surgical procedure doctors can use to treat many different problems in your back or neck. The surgery joins two or more of your vertebrae together, which can: stabilize and align ...

~~Back/Spinal Fusion~~

A spine surgeon's upcoming ASC and three more updates in the outpatient spine surgery space reported since June 1: 1. Medtronic received FDA approval for its spinal cord stimulator, Vanta. 2.

~~4 updates in outpatient spine surgery~~

The new implant is essentially a type of advanced spinal cord stimulator ... effective but that doesn't require complex and risky surgery," said Dr Christopher Proctor, senior author of ...

~~Spinal implant inflates like a tiny air mattress to block severe pain~~

RELATED: Jeff Lewis Recovering in Hospital After Undergoing Major Neck Surgery for Spinal Cord Condition In August, PEOPLE reported that Lewis had undergone major neck surgery after learning he ...

~~Jeff Lewis Undergoes Second Surgery for Spinal Cord Condition: 'I Have to Do This'~~

technological advances have allowed back and neck problems to be treated in minimally invasive way. Now let's see how is this surgery is performed. We all know that spinal nerves, vertebrae and ...

~~Revolution In Spine Surgery: Minimally Invasive Option For Better Patient Rehabilitation~~

"The most current spine research from NASS has shown that artificial disc replacement can reduce the need for additional surgery at other levels in the neck," explains Dr. Truumees. "The ...

~~Top-trained Spine Surgeons Provide Patient Guide for Artificial Disc Replacement~~

300 human cell and tissue types and three sequencing methods \u201cThere have been other projects to catalog our transcriptome but the RNA-Atlas project is unique because of the applied sequencing methods, ...

~~RNA Atlas assembles comprehensive knowledge on human transcriptome~~

If no other treatments are effective in treating RA in the neck, a doctor may recommend surgery. Surgery may be necessary if RA is affecting the stability of the spine or affecting nerves or the ...

~~What to know about rheumatoid arthritis (RA) in the neck~~

This 38-year-old woman had a partial corpectomy of C2, odontoidectomy, and C1-C2 fusion with anterior instrumentation and autograft for a cervical anomaly, os odontoidem, resulting in spinal cord ...

Prepared by the Cervical Spine Research Society, this comprehensive surgical atlas demonstrates the full range of operative techniques for treating cervical spine disorders. Internationally renowned experts provide thoroughly illustrated step-by-step instructions on patient preparation, approaches to the cervical spine, and all current decompression, graft, fixation, and stereotactic techniques. The consistent chapter organization allows easy access to information. Chapters on approaches cover limits of exposure; anatomy; dangers; perioperative considerations; operating room setup; instruments; positioning; skin incisions; deep dissection; closure; and postoperative management. Chapters on techniques cover indications/contraindications; benefits/limitations; recommended approach; perioperative considerations; operating room setup; instruments; biomechanical considerations; technique; and postoperative management.

Atlas of Cervical Spine Surgery features the expertise of three seasoned spine specialists who can help users minimize post-operative complications. Page after page, readers will find step-by-step illustrated guidance on standard techniques as well as today's most advanced cervical spine procedures used extensively by the authors with great success. It features detailed discussion of the hottest topics in the field, including anterior cervical plasty \u00b0 transoral resection of the odontoid \u00b0 posterior C1-C2 techniques \u00b0 posterior lateral mass fixation \u00b0 and others. Covers conventional techniques such as posterior wiring \u00b0 laminectomy \u00b0 and keyhole foraminotomies. Presents vital information on unusual circumstances physicians may encounter when treating both the posterior and anterior cervical spine. Features step-by-step descriptions of specific surgical procedures ranging from the transoral approach to posterior cervicothoracic fusion. Includes surgical pearls that make it easy to understand and perform each procedure. Discusses common pitfalls that help readers avoid complications and costly mistakes. Uses over 400 easy-to-follow illustrations that illuminate each procedure and display the appropriate instrument used for a given technique. Provides a consistent chapter organization that puts all the information readers need right at their fingertips! And so much more!

This atlas documents current surgical approaches to the craniocervical junction and the cervical spine, providing step-by-step guidance on procedures and cervical spine stabilization techniques. Opening chapters present essential information on anatomy, depict pathologies with the aid of illustrative cases, describe the role of imaging techniques in patient evaluation, and discuss surgical instrumentation and patient positioning. The different techniques employed in this delicate anatomic region, including transnasal and transoral endoscopic approaches to the craniocervical junction and posterior and anterior approaches to the cervical spine, are then explained and illustrated with a view to providing the surgeon with a clear reference that can be used in the operating room. In addition, practical advice is offered on the treatment of potential complications, postoperative management, and rehabilitation. This book will be of value not only to neurosurgeons but also to orthopedists, ENT surgeons, neurologists, and physiatrists.

This comprehensive, up-to-date textbook of modern cervical spine surgery describes the standard and advanced techniques recommended by the Cervical Spine Research Society \u2013 European Section (CSRS-E) with a view to enabling both young and experienced surgeons to further develop their skills and improve their surgical outcomes. Success in cervical spine surgery depends on the surgeon's awareness of the main challenges posed by distinct cervical spine diseases, theoretical understanding of treatment concepts, and knowledge of technical options and the related potential for complications. It is the surgeon who has to merge theory and practice to achieve the desired outcome, in each case appraising the details of surgical anatomy and weighing the challenges and complications associated with a surgical technique against the skills that he or she possesses. This excellently illustrated book, written by key opinion makers from the CSRS-E with affiliated surgeons as co-authors, presents the full range of approaches and techniques and clearly identifies indications, precautions, and pitfalls. It will be a superb technical reference for all cervical spine surgeons, whether orthopaedic surgeons or neurosurgeons.

A high-yield and comprehensive text-and-video resource for managing commonly encountered spinal conditions Spine surgery has experienced several paradigm shifts during the past few decades, with highly complex techniques introduced at an astoundingly rapid pace. In order for new generations of spine surgeons to stay current and thrive in this innovative era of spine surgery, access to diverse multimedia learning tools is imperative. Video Atlas of Spine Surgery by renowned spine surgeon and educator Howard An and Rush University Medical Center colleagues Philip Louie, Bryce Basques, and Gregory Lopez, is a cutting-edge resource for non-operative and operative management of a diverse spectrum of cervical, thoracic, and lumbar spine conditions. Consisting of 19 chapters, the text is streamlined to facilitate learning the most important steps for each procedure. The book begins with discussion of physical exam maneuvers used to accurately diagnose specific spinal pathologies. Subsequent chapters detail extensive spine surgery techniques for managing degenerative cervical and lumbar conditions. The remaining chapters cover spinal cord, cervical, and thoracolumbar injuries; idiopathic, degenerative, and early-onset scoliosis; kyphosis; spondylolisthesis; spinal infections and inflammatory disorders; and thoracic disc disorders. Key Features Concise, bulleted text and consistent chapter outlines feature epidemiology and prevalence, pathogenesis, clinical presentation, image findings, classification, conservative and surgical management, techniques, postoperative care, and more A myriad of meticulous diagrams and illustrations, spinal imaging and photographs, and 50 high-quality spine surgery videos maximize learning Technical pearls, case examples, and board-style orthopaedic surgery questions at the end of each section optimize comprehension and retention of information This remarkable resource is a must-have for orthopaedic and neurosurgery residents and fellows, as well as practicing spine surgeons. This book includes complimentary access to a digital copy on https://medone.thieme.com.

Prepared by the Cervical Spine Research Society, this comprehensive surgical atlas demonstrates the full range of operative techniques for treating cervical spine disorders. Internationally renowned experts provide thoroughly illustrated step-by-step instructions on patient preparation, approaches to the cervical spine, and all current decompression, graft, fixation, and stereotactic techniques. The consistent chapter organization allows easy access to information. Chapters on approaches cover limits of exposure; anatomy; dangers; perioperative considerations; operating room setup; instruments; positioning; skin incisions; deep dissection; closure; and postoperative management. Chapters on techniques cover indications/contraindications; benefits/limitations; recommended approach; perioperative considerations; operating room setup; instruments; biomechanical considerations; technique; and postoperative management.

This video atlas covers a broad range of spinal surgical procedures. The volume includes a collection of high quality 3-to-8 minute videos of some of the most critical spine operations performed by internationally renowned expert surgeons. Key features of the book contents include: \u2022 Downloadable high quality video content with subtitles suitable for viewing on any display (A brief preview of the book content can be viewed at https://www.youtube.com/watch?v=SxMi4UFJ7HA) \u2022 Detailed descriptions of surgical indications, preoperative planning, patient positioning, surgical technique, complications, postoperative care and outcomes for each procedure \u2022 Full color images and illustrations highlighting different key stages of each surgical technique The video format allows skill development of its intended audience by conveying temporal and spatial details which often go unnoticed in photograph format. This volume will be of immense interest to both the novice and the experienced spinal surgeon as they can benefit from the visual guides presented in the book. It also serves as an ideal teaching tool for spine surgery units in medical schools.

This atlas is a comprehensive review of spine surgery, discussing traditional and new techniques. Divided into sections, the first part introduces surgical anatomy. The following sections focus on procedures for different parts of the spine \u2013 cervical, thoracic and lumbosacral, to present expanded coverage of all aspects of spine surgery. Each section presents numerous disorders and different surgical techniques for their management. Highly illustrated, each chapter discusses indications for a surgical approach, the most common surgeries, pertinent anatomy, postoperative care and potential complications. Key points are summarised for each chapter. Written by recognised US authors, this atlas is enhanced by 800 full-colour illustrations, clinical pictures and radiographic images. Key points Comprehensive review of spine surgery covering new and traditional techniques Discusses disorders and surgeries in different spinal sections Key points summarised for each chapter Recognised US author team Includes 800 illustrations, clinical pictures and radiographic images

This comprehensive surgical atlas, designed to complement the definitive textbook, The Cervical Spine 2nd ed, presents the most common operative techniques used for treating disorders of the cervical spine in full illustrative detail. Coverage includes a complete discussion of surgical approaches. Prepared by the Cervical Spine Research Society under the direction of Dr Sherk, this surgical manual offers the expert advice of 27 leading authorities in the field. The narrative text that accompanies the visual presentation of each procedure highlights pertinent anatomy, physiology, biomechanics and complications.

Pocket Atlas of Spine Surgery, 2nd Edition by Kern Singh and Alexander Vaccaro is unique in its presentation, utilizing multilayered visuals to delineate the most commonly performed spine procedures. High-definition intraoperative photographs are juxtaposed with translucent anatomic drawings. This facilitates visualization of both the entire surgical field and complex anatomy never "seen" during surgery. It also provides greater insights into the subtleties of both open and technically demanding minimally invasive spine surgery techniques. Unlike many large spine surgery atlases, this is the perfect, on-the-go, pocket-size resource for busy spine surgeons who work in any clinical setting. From the cervical to lumbar spine, 21 concise chapters reflect the collective technical expertise of internationally renowned spine surgeons. Easy-to-follow guidance is provided on fundamental open and minimally invasive techniques, including pedicle screw placement, fusion, discectomy, corpectomy, foraminotomy, laminoplasty, and laminectomy. Each procedural chapter focuses on the importance of accurate visualization, adequate homeostasis, and impacted anatomical structures. Insightful tips, pearls, and potential pitfalls throughout the book expedite acquisition of knowledge Nearly 200 detailed, clearly labeled images of common spine procedures provide invaluable anatomical and clinical guidance Expanded insights on positioning in spine surgery Added discussion of surgical challenges, including warnings and descriptions of internervous planes Orthopaedic surgeons, neurosurgeons, and surgical trainees will discover an indispensable and friendly white coat reference for everyday practice. The visually rich atlas will also benefit physician assistants, surgical nurses, and all practitioners involved in the operative care of spine surgery patients.

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