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Association Between Meniscus Injury and the Development of Osteoarthritis, Potential Treatment Modalities, and the Potential Long-term Benefits of Collagen Meniscus Implants Jun 28 2020

Problem: Meniscus injuries in the knee have become increasingly common in today's population. It has been well documented that these meniscus injuries often lead to further degenerative changes and subsequent osteoarthritis. Furthermore, common treatment modalities for this type of injury, such as meniscectomy, also appear to lead to the development of osteoarthritis. However, the recent use of collagen meniscus implants appears to be more beneficial and prevent future development of osteoarthritis. Methods: Peer-reviewed clinical trials within the last ten years, which looked at the association between meniscus injury and the development of osteoarthritis, as well as results of different treatment modalities for meniscus injuries were identified using a pubmed search via the Cornell Medical College Library. Results: Results of this literature search showed that meniscus injury alone, or injuries treated with partial and total meniscectomy commonly led to the long-term development of osteoarthritis. Furthermore, the use of allograft transplantation has shown conflicting results with many associated complications. Recent evidence, however, points to the success of using collagen meniscus implants to treat meniscus injuries. Initial data from these studies suggest that the collagen meniscus implants exhibit characteristics similar to those of human meniscus, and thus will be less likely to develop long-term osteoarthritis. Conclusions: While the use of collagen meniscus implants seems like a promising treatment method for meniscus injury, a long-term study is needed to determine whether or not this method is effective in preventing the development of long-term osteoarthritis in these patients.

Meniscus Injuries, an Issue of Clinics in Sports Medicine Jun 20 2022 This issue of Clinics in Sports Medicine will provide a comprehensive review of Meniscus Injuries. Guest edited by Drs. Brett Owens and Ramin Tabaddor, this issue will discuss a number of related topics that are important to practicing clinicians. This issue is one of four selected each year by our series Consulting Editor, Dr. Mark Miller. The volume will include articles on: Meniscus Form and Function, Epidemiology of Meniscus Injury, Meniscus Repair Techniques, Meniscus Root Repair, Meniscus Ramp Lesions, Partial Meniscus Replacement, Meniscus Allograft Transplantation, Meniscus Regenerative Basic Science, Rehabilitation Following Meniscus Repair, Return to Play Following Meniscus Repair, Role of Alignment and Osteotomy in Meniscus Pathology, among others.

Symposium Newest Knowledge of the Knee Joint Meniscus Jan 04 2021

Arthroscopic Meniscal Repair Nov 13 2021 Discover how proper preparation, technique, and new suturing tools can make this demanding procedure faster and easier. Begin with the basic science of meniscal repair. Then study the leading surgical alternatives. Your expert contributors address the results as well as the complications of each technique.

Sports-Related Injuries of the Meniscus, An Issue of Clinics in Sports Medicine - E-Book Dec 27 2022 This issue of Clinics in Sports Medicine, Guest Edited by Peter R. Kurzweil, MD, focuses on Sports-Related Injuries of the Meniscus. Articles in this issue will include: Indications for meniscus repair: traumatic tears do better; Biologic enhancement of meniscal repair; Repairing the Unrepairable Meniscus; Posterior Horn Tears – all-inside suture repair; Meniscal Repair – Inside-out sutures; Meniscal Root tears – Recognizing and Repairing; Meniscal Repair – outside-in suture; Meniscal Repair with the Newest Fixators – which are best?; Treating post-meniscectomy pain with Meniscal implants; Meniscus Repair in Children; and Getting Athletes Back to Sports after Meniscus Repair.

The Meniscus Apr 30 2023 This guide focuses on the normal meniscal mechanism, body and function. Meniscal pathology and therapy are depicted in detail, followed by a presentation of long-term experience of meniscal transplantation and a look into the future of meniscal surgery.

Magnetic Resonance Imaging of the Knee Feb 02 2021 This abundantly illustrated atlas of MR imaging of the knee documents normal anatomy and a wide range of pathologies. In addition to the high-quality images, essential clinical information is presented in bullet point lists and diagnostic tips are included to assist in differential diagnosis. Concise explanations and guidance are also provided on the MR pulse sequences suitable for imaging of the knee, with identification of potential artifacts. This book will be an invaluable asset for busy radiologists, from residents to consultants. It will be ideal for carrying at all times for use in daily reading sessions and is not intended as a reference to be read in the library or in non-clinical settings.

Knee Arthroscopy Jul 10 2021

Meniscus of the Knee Jan 28 2023 The principal aim of this title is to provide the arthroscopic orthopaedic surgeon with a clear, concise account of the anatomy, pathology, conservative and operative surgical techniques in the management of meniscal pathology. Meniscal lesions are extremely common, and arthroscopic meniscal surgery is one of the most common orthopaedic surgical procedures performed. The art of meniscal surgery involves many steps, with ever-evolving techniques and implants. This book has been prepared during a period of widespread debate on, and evolution in, the conservative, surgical, and biological techniques for managing meniscal lesions. This text will help consolidate the current evidence to enable the development of optimal management plans for meniscal injuries.

Meniscus Repair Feb 23 2020

Sports-related Injuries of the Meniscus Dec 15 2021 This issue of Clinics in Sports Medicine, Guest Edited by Peter R. Kurzweil, MD, focuses on Sports-Related Injuries of the Meniscus. Articles in this issue will include: Indications for meniscus repair: traumatic tears do better; Biologic enhancement of meniscal repair; Repairing the Unrepairable Meniscus; Posterior Horn Tears - all-inside suture repair; Meniscal Repair - Inside-out sutures; Meniscal Root tears - Recognizing and Repairing; Meniscal Repair - outside-in suture; Meniscal Repair with the Newest Fixators - which are best?; Treating post-meniscectomy pain with Meniscal implants; Meniscus Repair in Children; and Getting Athletes Back to Sports after Meniscus Repair.

Meniscus Jun 08 2021 On the alien planet Meniscus, Humans are slaves. Every twilight, Odyrn runs through the forests, practicing the art of parkour. Her runs give her strength, flexibility and endurance, and a way to survive a life of servitude under the oppressive Dock-winders. When the silent Slain rescues her from a brutal encounter with a gang of Gel-heads, Odyrn believes she has reached the end of her search for freedom. In their travels through the Prell'nan District of Meniscus, she and the Slain encounter dangerous woodlands, dramatic water-climbs and a hard-to-cross water churn. Odyrn and the Slain work together to evade the Gel-heads and overcome the dangers of the landscape. But is Odyrn really free or is she caught in a cycle of trying to escape the inevitable? In the first of the Meniscus series, Crossing The Churn tells the story of the meeting of a young woman and a genetically-engineered Slain whose kindness may not be consistent with his purpose.

Imaging of the Lower Extremity, An Issue of Radiologic Clinics of North America, Apr 06 2021 This issue

discusses imaging techniques for common and important lower extremity injuries and conditions. Femoral acetabular impingement, soft tissue pathology around the hip, meniscal injuries and imaging the postoperative meniscus, the neglected corners of the knee (posterolateral / posteromedial corner injuries), the extensor mechanism from top to bottom, cysts and bursa around the knee, ligamentous injuries of the ankle and foot, medial longitudinal arch of the foot, ankle impingement syndromes, imaging of the forefoot, overuse injuries of the lower extremity, imaging of total hip and knee arthroplasties are all reviewed. Additionally, the application of advanced imaging techniques in evaluation of the lower extremity is discussed.

The Menisci Nov 25 2022 This book is a comprehensive journey through the pathogenesis and treatment of meniscal pathology. It details the elements that are necessary to properly understand, diagnose, and treat meniscal tears, ranging from vertical tears to radial tears and root avulsions. Treatment techniques are thoroughly described and illustrated, with presentation of the latest evidence on outcomes. The algorithmic treatment of meniscal tears has undergone a rapid transformation. We have progressed from the initial treatments involving removal of the meniscus using an open technique, to the performance of partial meniscectomies and complex meniscal repairs by means of an arthroscopic technique. The current treatment goal is to maintain the biology and mechanical integrity of this vital knee structure, an aim too often disregarded by past generations of surgeons. An explosion of new knowledge, coupled with advances in arthroscopic and surgical technology, has paved the way for wider application of approaches that help to preserve the meniscus, in the hope of preventing or delaying the development of knee arthritis. This book will have utility for all clinicians who treat meniscal lesions and will serve as a valuable resource for years to come.

Meniscal Injuries Apr 18 2022 Thoroughly discussing the varied elements of meniscal damage and repair, *Meniscal Injuries: Management and Surgical Techniques* includes the insights and expertise of over 20 leading surgeons and researchers on topics ranging from meniscal anatomy, physical examination, innovative resection and repair techniques, gene therapy, and tissue regeneration. This treatise offers wisdom aimed at assessing true surgical candidates, exploring the intricacies of meniscal composition and function, an overview of meniscal scaffolds and replacements, and patient examination pearls. Also discussed in depth is cutting edge research concerning meniscal repair enhancement, nanofiber technology as a means of meniscal replacement, and biologic agents directed toward chondral protection. All the science presented will direct the sports medicine practitioner to state-of-the-art treatment aimed at knee preservation. Meniscal repair and regeneration is a rapidly evolving science - early attempts at meniscal restoration or repair resulted in short-term gains which often sacrificed long-term joint integrity. Now, the practitioner is afforded numerous means of retaining or restoring meniscal tissue. Breakthroughs in scaffold and allograft replacement, as featured herein, offer the promise of articular cartilage preservation like never before. In addition, tissue regeneration and gene therapy techniques, featured throughout, offer a glimpse into emerging technologies aimed at preserving or replacing meniscal tissue in previously considered "hopeless" cases. As such, *Meniscal Injuries* will be an indispensable resource to orthopedic surgeons and sports medicine practitioners interested in providing the absolute most contemporary and evidence-based care to their patients.

The Magical Meniscus Mar 25 2020 In Fairytale Land, there lives a gentle-hearted cyclops known as Cleo who wears bells on his large toes. Headaches plague the one-eyed giant, causing Cleo problems at work, at home, and with his girlfriend, Nellie. The migraines force Cleo to seek help from a powerful wizard. He must battle witches, ogres, and a bog creature. Will perseverance and determination be enough for Cleo to fix his headaches and win true love from Nellie? This tale includes sixteen illustrations.

Meniscus May 27 2020 Winter settles in at Themble Hill and the community encounters the possibility of starvation. Tagret is also worried about her partner Rist, knowing that the notorious Brotherhood may hold him accountable for breaking his vow of celibacy. Tagret sets off on a quest to find Rist before the Brotherhood does. When Rist is not at his home, The Knife, Tagret concocts a plan to find him and negotiate with the Brotherhood for his release.

Knee Arthroscopy Nov 01 2020 This book serves as a technique-oriented "how-to" guide to knee arthroscopy. Renowned authorities present advances in meniscal transplantation, articular cartilage repair, anterior cruciate ligament treatment and other procedures. Chapters are comprehensive, and readers are

led step-by-step through techniques. Anatomy, indications, and complications for each approach are highlighted, and clinical pearls are featured throughout. Case studies facilitate the integration of concepts into practice. Orthopedic surgeons, orthopedic residents, and sports medicine physicians will find this thorough text invaluable.

Meniscus Stability in Rotating Systems Oct 13 2021 The knowledge of behavior of liquids with free surfaces to their surrounding gaseous phase in compensated gravity is essential to the development of tank systems for spacecrafts. In microgravity, the liquid behavior is dominated by capillary forces, which are used to position and redistribute liquid propellant in a desired way for the mission. The body forces occurring due to residual accelerations, which can be caused by spin during the ballistic flight phases, force the liquid to reorient towards a new equilibrium state of the free surface. Due to spin the liquid is driven away from the tank outlet and located along tank walls in partially filled tanks. To assure enough liquid fuel over the tank outlet, so-called Propellant Management Devices (PMD's), are employed. A PMD is a static, usually metal structure, which either provides a passage way for a liquid in microgravity or stores a certain amount of liquid at a desired location. Some PMD's are designed to be refillable in periods of microgravity due to openings in the outer housing or by a housing composed of perforated metallic sheets. These reservoirs are refilled in periods of compensated gravity in order to provide the required amount of liquid fuel for attitude control or other maneuverings. Relatively large disturbances, such as lateral accelerations and spin, can drive the liquid fuel out of the reservoir, resulting in malfunction of the device. During spilling, gas enters the device such that only a residual amount of liquid propellant can be kept in the reservoir. Moreover, the connection to the bulk liquid in the tank may be interrupted such that refilling of the reservoir is disrupted. Hence, a PMD with two parallel disks forming the inlet and a venting tube at the topmost point of the outer housing shall be designed such that its refillable structure is only filled with liquid without any gas or vapor being easily trapped during operations.

MRI of the Knee Mar 06 2021 This book is divided into chapters that cover MRI of all structures of the knee joint in the order that is usually used in practice – cruciate ligaments, collateral ligaments, menisci, cartilage, subchondral bone, patella, synovia, muscles and tendons, arteries, veins and bones. With the aid of numerous images, each chapter provides comprehensive descriptions of the anatomy, the normal MR appearance, pathological MR findings, and postoperative MRI appearance. A text box at the end of each chapter clearly describes how the MRI report should be compiled and identifies what should be included when reporting on specific lesions. The book will be an ideal guide for radiologists and will also be relevant for orthopaedic surgeons, rheumatologists, and physiotherapists.

Meniscus tears Mar 18 2022 The most important function of the articular menisci of the knee is to transmit and even out the strain put on the knee joint especially in association with a more intensive exertion, such as running or jumping. They also are important regarding the stability of the knee as well as lubrication of the joint and nourishment of the cartilage surface. Typical symptoms of a meniscal injury include pain at the joint line as well as swelling, locking and giving way of the knee. Earlier, when open surgery was applied, the whole meniscus was removed. This led to premature osteoarthritis in all patients within 10 years. Nowadays, meniscal tears are treated endoscopically, and as little as possible of the meniscal tissue is removed. The meniscus is sutured back in place whenever possible.

Knee Arthrography May 08 2021 Of the joints of the body commonly afflicted by serious pathology the knee is the most accessible. Because it is so accessible drastic treatment may be undertaken prematurely and incorrectly. This does not threaten life but may cause permanent morbidity. Dr Stoker has set about examining this joint in depth as a radiologist. As a direct result the surgeon will be helped to make a correct diagnosis and avoid pitfalls, by a diagnostic procedure that is of little inconvenience to a patient. Arthrography is not new but a fresh appraisal is timely. This is not to suggest that there can be any slackening in clinical examination, or that other methods of examination do not have a place. But there are knee joint problems, particularly in teenage girls, in which a clinical diagnosis is very difficult, but must be made exactly. Arthrography must be accepted as a very useful method of examination of the knee joint and an essential one in certain circumstances. More radiologists should be interested in undertaking this examination and surgeons should ask for it. E.L. Trickey, F.R.C.S.

MR Imaging of The Knee, An Issue of Magnetic Resonance Imaging Clinics of North America, E-Book

Aug 30 2020 In this issue of MRI Clinics, guest editor Dr. Mary K. Jesse brings her considerable expertise to the topic of MR Imaging of the Knee. Top experts in the field cover key topics such as MR knee synovitis and synovial pathology, normal variants of the pediatric knee, MR imaging of knee meniscus, MR post-operative meniscus, and more. Contains 10 relevant, practice-oriented topics including MR posterolateral and posteromedial corner injuries; MR knee cartilage injury and repair surgeries; MR knee bursa and bursal pathology; pre- and post-operative MR of the cruciate ligaments; and more. Provides in-depth clinical reviews on MR imaging of the knee, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

Outcomes in Patients with Degenerative Vs. Non-Degenerative Meniscus Tears Dec 23 2019 Meniscus tears are the second most common orthopedic injury of the knee with an incidence of 12% to 14% and a prevalence of 61 cases per 100,000 persons.^{2,3} Physical therapy (PT) is a standard of care for these patients post-meniscectomy, but research is conflicting on the benefits and the most appropriate outcome measures to use when assessing activity levels in these patients. The main purpose of this dissertation was to explore 5 performance-based outcome measure (single-limb single hop test for distance (SLHT), single-limb crossover hop test for distance (CHT), Edgren side step test (ESST), Illinois agility test (IAT), and stair measure test (SMT)), 3 of which were recommended by the clinical practice guidelines (CPGs) for meniscal lesions, in order to provide information on the reliability and validity of these measures for patients after meniscectomy. A secondary purpose of this dissertation was to identify the differences in outcomes between patients with degenerative meniscus tears and non-degenerative meniscus tear by investigating recovery post-arthroscopic partial meniscectomy. A convenience sample of patients who underwent an arthroscopic partial meniscectomy were recruited from the University of Miami Hospital sports medicine clinic. Subjects were categorized into one of two groups based on whether their meniscus tear was degenerative or not. Subjects were treated by one of five physical therapists. The rehabilitation protocol consisted of 45 minutes to 1 hour of PT 2-3x/week for a total of 8 weeks. A general protocol was followed for the first 4 weeks of rehabilitation and an individualized protocol was incorporated into the final 4 weeks of rehabilitation. Assessments were performed at initial PT evaluation (week 0), at four weeks post-meniscectomy (week 4), and 8 weeks post-meniscectomy (week 8). Comparisons were made in terms of impairments, activity limitations, and participation restrictions using both patient-reported outcomes (IKDC, Tegner) and performance-based outcomes. This work provides information on the reliability and validity of 5 activity level performance-based outcome measures for patients after arthroscopic partial meniscectomy. Additionally, it discusses the importance of making sure these outcome measures are appropriate to the population of patients being examined. Because there are two different subpopulations of patients with meniscus tears, patients with degenerative meniscus tear and patients with non-degenerative meniscus tears, different activity level outcome measures should be considered when studying and treating these different types of patients with meniscus tears. Finally, this work demonstrates similar patterns of recovery in patients with degenerative and non-degenerative meniscus tears. Both groups nearly recover to their pre-morbid level of activity after 8-weeks of PT.

Atlas of Knee Menisci Sep 11 2021

Engineering the Knee Meniscus Mar 30 2023 The knee meniscus was once thought to be a vestigial tissue, but is now known to be instrumental in imparting stability, shock absorption, load transmission, and stress distribution within the knee joint. Unfortunately, most damage to the meniscus cannot be effectively healed by the body. Meniscus tissue engineering offers a possible solution to this problem by striving to create replacement tissue that may be implanted into a defect site. With a strong focus on structure-function relationships, this book details the essential anatomical, biochemical, and mechanical aspects of this versatile tissue and reviews current meniscus tissue engineering strategies and repair techniques. We have written this text such that undergraduate students, graduate students, and researchers will find it useful as a first foray into tissue engineering, a cohesive study of the meniscus, or a reference for meniscus engineering specifications. Table of Contents: Structure-Function Relationships of the Knee Meniscus / Pathophysiology and the Need for Tissue Engineering / Tissue Engineering of the Knee Meniscus / Current Therapies and Future Directions

The Management of Meniscal Pathology Aug 23 2022 While the management of meniscal pathology is addressed in many large sports medicine textbooks, this dedicated book on the topic is a major addition to the information currently available for orthopedic surgeons and sports medicine specialists, residents and fellows. As symptomatic meniscal tears remain among the most common musculoskeletal problems that are seen and treated, this up-to-date book on the evaluation and management of meniscal pathology, focused on current techniques and available evidence in the literature, is therefore extremely useful. To that end, *The Management of Meniscal Pathology: From Meniscectomy to Repair and Transplantation* is a comprehensive resource reviewing all aspects of managing symptomatic meniscal pathology. It is structured to proceed logically through an understanding of the anatomy and biomechanical importance of the meniscus in normal knee kinematics to the evaluation and treatment of meniscal tears and meniscal insufficiency. The chapters dedicated to the surgical management of meniscal pathology - including partial meniscectomy, meniscus repair, meniscal root repair and meniscal allograft transplantation - include step-by-step descriptions of various operative techniques, including pearls and pitfalls for the reader in addition to classic case examples. Non-operative approaches, as well as novel and emerging strategies and materials, are also highlighted, providing a well-rounded presentation of available techniques and outcomes.

Surgery of the Meniscus Sep 23 2022 ?This book, published in cooperation with ESSKA, provides an exhaustive review of the meniscus and its pathology, covering all aspects from the basic science of the normal meniscus to clinical and imaging diagnosis, meniscus repair and meniscectomy, outcomes and complications, postoperative management, and emerging technologies. The book opens by examining in depth aspects such as anatomy, histology, physiology, biomechanics, and physiopathology. Clear guidance is offered on arthroscopy and the classification of meniscal lesions, with consideration of the full range of meniscal pathology, including traumatic lesions, degenerative lesions, root tears, meniscal cysts, and congenital lesions. Choice of treatment in different settings is explained, and the various surgical techniques – meniscectomy, meniscal repair, and reconstruction with allografts – are described in detail with the aid of accompanying videos and with presentation of long-term results. The concluding chapter takes a look into the future of meniscus reconstruction, for example through regeneration using mesenchymal stem cells.

Meniscus Injuries, An Issue of Clinics in Sports Medicine, E-Book Feb 26 2023 This issue of *Clinics in Sports Medicine* will provide a comprehensive review of Meniscus Injuries. Guest edited by Drs. Brett Owens and Ramin Tabaddor, this issue will discuss a number of related topics that are important to practicing clinicians. This issue is one of four selected each year by our series Consulting Editor, Dr. Mark Miller. The volume will include articles on: Meniscus Form and Function, Epidemiology of Meniscus Injury, Meniscus Repair Techniques, Meniscus Root Repair, Meniscus Ramp Lesions, Partial Meniscus Replacement, Meniscus Allograft Transplantation, Meniscus Regenerative Basic Science, Rehabilitation Following Meniscus Repair, Return to Play Following Meniscus Repair, Role of Alignment and Osteotomy in Meniscus Pathology, among others.

Knee Meniscus Jul 22 2022

MRI of the Knee, An Issue of Magnetic Resonance Imaging Clinics of North America, E-Book Jul 30 2020 This issue, edited by Dr. Kirkland Davis, will comprehensively review imaging of the knee. Articles will include: Magnetic Resonance Imaging of the Meniscus; MRI of Cruciate Ligaments; Magnetic Resonance Imaging of the Extensor Mechanism; Quantitative Magnetic Resonance Imaging of the Articular Cartilage of the Knee Joint; Magnetic Resonance Imaging of the Pediatric Knee; MRI of Extra-Synovial Inflammation and Impingement about the Knee; A Biomechanical Approach to Interpreting MRI of Knee Injuries; MRI Assessment of Arthritis of the Knee; MRI of the Post-Operative Meniscus; MR Imaging of Cartilage Repair Procedures; Imaging the Knee in the Setting of Metal Hardware, and more!

Meniscal Transplantation May 20 2022 Meniscal transplantation has become an attractive option in selected patients with incapacitating knee pain. This book discusses all aspects of meniscal transplantation, covering the use of both allografts and meniscal substitutes, including collagen and polyurethane implants. Acknowledged experts in the field review the basic science, explain indications, and describe surgical techniques and the results achieved to date. All the material is up to date, with

information on new implants, new techniques, and new surgical approaches. Future trends in the treatment of meniscal lesions are also discussed as we move towards the application of regenerative strategies to restore meniscus function. ?

Natural healing of meniscus lesions of the knee Oct 25 2022 Meniscus lesions of the knee are a frequent traumatic event in many sports. Direct consequence is reducing physical activity. Conventional medicine proposes surgery. Conservative therapy, as outlined in this text, can be fully applied in most cases, and improves functional end result.

Meniscus Dec 03 2020 When the Slain bails on his contract to sell Odymn to the Dock-winders, he is shot trying to escape. Odymn, who loves the Slain, cannot abandon him and recruits Wen-le-gone, an Argenop elder and healer, to help her nurse the Slain back to good health. As they make their way toward the relative safety of the Themble, the trio must forage for food, save Odymn when she encounters a poisonous foe, and get to know and trust one-another. When Wen-le-gone leaves for his home, Odymn decides to stay with the Slain. As they continue on their journey, they work together to survive the dangers of the Themble Wood but in the end, memories of the past may be their biggest obstacle to building a life together. **Meniscus: One Point Five** takes place near the end of the first book in the **Meniscus Series**, and tells the story of the forty missing days after the shooting of the Slain. Helping the Slain heal from his wounds and protecting him from the dangers of **Meniscus** may be the least of Odymn's problems. Know first, then judge ... understanding one another may be the most dangerous part of any shared journey ...

Post-Traumatic Osteoarthritis After Meniscus Injury Aug 11 2021

Meniscus Lesions Feb 14 2022

Meniscus Lesions: Practical Problems of Clinical Diagnosis Jan 16 2022

Joint Preservation of the Knee Oct 01 2020 Comprised of clinical cases demonstrating strategies for both common and complex knee preservation, this concise, practical casebook will provide orthopedic surgeons with the best real-world strategies to properly manage the many kinds of knee injuries and disorders they may encounter. The opening section presents the knee joint as a unique structure, reviewing the anatomy and function of articular cartilage and the meniscus, the effects of joint malalignment, the role of the synovium, and how joint failure is defined. The next two sections are comprised of clinical cases with a unique presentation, followed by a description of the diagnosis, assessment and management techniques used to treat it, as well as the case outcome, and clinical pearls and pitfalls. Cases included illustrate small and large cartilage defects, osteochondritis dissecans, chondral defects and lesions, meniscal allograft transplantation, and tibial and tibiofemoral cartilage defects, among others. The final section examines the current evidence for the treatment of articular cartilage lesions and emerging techniques in knee joint preservation and cartilage restoration. Pragmatic and reader-friendly, **Joint Preservation of the Knee: A Clinical Casebook** is an excellent resource for orthopedic surgeons and sports medicine specialists treating common and complex injuries of the knee.

Ultrasound Examination of the Knee Apr 26 2020 Ultrasound has been poor man's modality since more than 50 years. It attains exquisite definition, thanks to computer revolution, at turn of the century. True potential of this technique has not yet been fully realized by medical community.

Sorry Meniscus Jan 22 2020

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