

Read PDF Arthroscopic Treatment Of Hip Chondral Defects Autologous

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703 - AUGUST MORROW

This superbly illustrated book is a comprehensive and detailed guide to the contemporary arthroscopic management of intraarticular fractures. The opening section addresses a variety of basic aspects and key issues, including the difficulties posed by intraarticular fractures, principles of fixation, cartilage healing, and rehabilitation. The minimally invasive surgical techniques appropriate to individual types of fracture are then fully described and depicted, covering fractures of the shoulder and elbow, wrist, pelvis and hip, knee, and ankle. Guidance is also provided on avoidance and management of complications and rehabilitation. The closing section addresses relevant miscellaneous issues, including arthroscopic management of temporomandibular joint fractures and extended indications for endoscopy-assisted fracture fixation. This volume will be of value for both trainee and experienced surgeons when treating patients with these complex fractures.

As one of the leading specialists in hip arthroscopies, Dr. Joseph McCarthy's text promises to become a definitive addition to the field. Featuring full color, arthroscopic views and contributions from prestigious figures in the orthopaedic community, this text covers all the essentials of hip arthroscopy including: examinations, arthroscopic procedures for loose bodies, labral injuries, defects of the femoral head and acetabulum, treatment for infections, tumors, differential diagnosis and, most uniquely, a section on pediatric hip injuries. In addition, it provides surgeons with a detailed analysis of cost considerations and comparison with open hip procedures as well as outcome analysis. A must-have for any orthopaedic surgeon interested in learning the newest procedures in the treatment of hip injuries and providing their patients with the safest, most effective treatment available.

Hip injuries are common among athletes. Recent studies have analyzed hip pathology in many athletic populations; however, little research has been done on hip injuries and pathology among skiers and snowboarders. The purpose of this study is to review common mechanisms of hip injury and associated hip pathology in professional skiers and snowboarders. This study was institutional review board-approved. A retrospective database review was performed on all professional skiers and snowboarders who were evaluated by the senior author and underwent hip arthroscopy between 2005 and 2010 for debilitating hip pain. Professional skiers and snowboarders included athletes who compete at the professional level and instructors. Thirty-six painful hips were identified in 29 professionals (7 with bilateral involvement). Pathology and intra-operative findings were identified at time of index procedure. Subjective mechanism of injury was recorded. All data were prospectively collected and retrospectively reviewed. Twenty alpine skiers (4 bilateral), three Nordic skiers (2 bilateral), four snowboarders, and two aerialists (1 bilateral) were identified. A high-speed ski crash resulting in hip pain was the most common mechanism of injury ($n = 14$ hips), with all of those injuries occurring in racers and aerialists. All Nordic skiers ($n = 5$ hips) reported a gradual onset of hip pain with no specific injury. Three hip dislocations were reported by two alpine ski instructors and one alpine ski racer. All hips were found to have labral pathology and femoroacetabular impingement (FAI) at the time of index procedure. An Outerbridge grade IV chondral defect was treated with arthroscopic microfracture technique in five hips (14%). Seventeen hips (47%) were treated with capsular plication for hip instability. High-speed crashes are common mechanisms of hip injury. Labral pathology, FAI, and hip instability are frequent pathological arthroscopic findings in professional skiers and snowboarders.

For more than 100 years, congenital dislocation of the hip has been an area of concern in orthopedics. This publications on the subject are almost too numerous to count. Yet our knowledge of the basic principles of congenital hip dislocation and its management is constantly being expanded by new research. In German-speaking countries, Kaiser published the last comprehensive textbook on congenital hip dislocation in 1958, and Schlegel followed with a comprehensive handbook in 1961. In the Angloamerican world, Coleman's monograph was published in 1978, Somerville's in 1982, and Wilkinson's in 1985. In 1982 Tachdjian compiled a volume on congenital hip dislocation that

contained contributions from 44 authorities. The purpose of the present book is to provide an overview of our present state of knowledge of congenital hip dislocation, covering basic principles, diagnosis, methods of closed and open treatment, and indications. In the process, an attempt is made to trace progress in the field from its beginnings to the present time. Many authors describe the diagnosis and treatment of congenital hip dysplasia and dislocation in terms of specific age groups. We believe it is more prudent to take an individualized approach based on arthrographic findings and the degree of severity of pathologic changes. Less emphasis is placed here on the management of patients by age group.

This open access book focuses on imaging of the musculoskeletal diseases. Over the last few years, there have been considerable advances in this area, driven by clinical as well as technological developments. The authors are all internationally renowned experts in their field. They are also excellent teachers, and provide didactically outstanding chapters. The book is disease-oriented and covers all relevant imaging modalities, with particular emphasis on magnetic resonance imaging. Important aspects of pediatric imaging are also included. IDKD books are completely re-written every four years. As a result, they offer a comprehensive review of the state of the art in imaging. The book is clearly structured with learning objectives, abstracts, subheadings, tables and take-home points, supported by design elements to help readers easily navigate through the text. As an IDKD book, it is particularly valuable for general radiologists, radiology residents, and interventional radiologists who want to update their diagnostic knowledge, and for clinicians interested in imaging as it relates to their specialty.

The focus of this book is to create a comprehensive analysis of cartilage injury and repair strategies. Twenty chapters cover proven and emerging procedures and methodologies. Readers will be able to understand the clinical problem, appropriate diagnosis, and repair strategies relevant to first line and secondary cartilage repair procedures.

The International Journal of Computational Methods and Experimental Measurements (CMEM) provides the scientific community with a forum to present the interaction between the complementary aspects of computational methods and experimental measurements, and to stress the importance of their harmonious development and integration. The steady progress in the efficiency of computers and software has resulted in the continuous development of computer simulation, which has influenced all scientific and engineering activities. As these simulations expand and improve, the need to validate them grows, and this can only be successfully achieved by performing dedicated experimental tests. Furthermore, because of their continual development, experimental techniques are becoming so complex and sophisticated that they need to be controlled by computers, with the data obtained processed by means of computational methods. The aim of the Journal is to review the latest work in computational methods and experimental measurements, with a view to achieving harmonious development and interaction between the two.

This issue of Clinics in Sports Medicine will focus on hip arthroscopy; specifically, imaging, injections, labrum, cartilage, capsule, cam and many more exciting articles.

Drs. Cole and Malek, recognized leaders in the field, wrote this cutting-edge text to fill the void in the literature regarding the management of articular cartilage disease and meniscal deficiency. The book enables orthopedic surgeons to develop an evidence-based decision-making framework that guides the management of articular cartilage lesions. Carefully chosen contributors provide readers with a practical background in articular lesions, patient assessment, and management strategies. Subsequent chapters address the gamut of current surgical techniques, from arthroscopy and debridement to unicondylar arthroplasty, in a step-by-step manner. More than 500 detailed illustrations, many in color, help readers understand and master treatments. Case studies, which include preoperative planning and postoperative outcomes, reinforce the decision-making process. Nearly every permutation and treatment option is covered, making this text a prime resource for surgeons committed to exercising sound judgement.

Hip Magnetic Resonance Imaging presents a basic yet comprehensive discussion of the role and use of MRI in the diagnosis and treatment of injuries and diseases of the hip, highlighting common concerns and procedures. Beginning with the principles of MRI and dGEMRIC and moving on to normal and abnormal hip anatomy, the focus shifts to the MRI techniques used in the detection of disease conditions of the hip, including labral disease, osteonecrosis, extra-articular conditions and cartilage damage. Chapters on the utilization of biochemical imaging biomarkers in the treatment of hip disorders round out the text. Written by experts in radiology and orthopedics and generously illustrated with MRI radiographs, this book will be an important reference work for clinicians in those fields, as well as practitioners of sports medicine and primary care physicians.

Sports Injuries: Prevention, Diagnosis, Treatment and Rehabilitation covers the whole field of sports injuries and is an up-to-date guide for the diagnosis and treatment of the full range of sports injuries. The work pays detailed attention to biomechanics and injury prevention, examines the emerging treatment role of current strategies and evaluates sports injuries of each part of musculoskeletal system. In addition, pediatric sports injuries, extreme sports injuries, the role of physiotherapy, and future developments are extensively discussed. All those who are involved in the care of patients with sports injuries will find this textbook to be an invaluable, comprehensive, and up-to-date reference.

The treatment of chondral damage and early arthritis in active patients remains a challenge. This book has accepted this challenge, providing a comprehensive look into the fast growing area of cartilage repair and early arthritis surgery for virtually every major joint. The text includes a detailed approach to surgical management utilizing procedures relative to all joints such as osteotomy, cartilage repair, cartilage restoration, and limited resurfacing. Treatment indications, surgical techniques, and non-operative treatment in the knee, shoulder, hip and smaller joints are also highlighted in the text. This book is the only orthopedic text on the market that combines discussion of biological and limited prosthetic options for the treatment of chondral damage and early arthritis for the young active adult, as well as for traditional joint replacement patients.

Hip Joint Restoration is a comprehensive yet practical guide to the basic science and clinical applications of arthroscopy, arthroplasty, osteotomy and preservation surgery for the treatment of diseases and conditions of the hip. This generously illustrated text offers a comprehensive introduction to essential features of hip evaluation, the medical management of hip procedures, and treatment of specific conditions, and covers practical topics such as surgical anatomy of the hip, surgical approaches, instrumentation, and indications for arthroscopy and other surgical procedures aimed at restoration of the hip joint. Additional chapters cover clinical outcomes and equality of life following hip surgery, the current state of research and education of arthroscopic hip procedures throughout the world, other topics such as complications and rehabilitation in different patient populations. This book will be a useful resource for Orthopedic Surgeons and Osteopaths who perform open and arthroscopic hip preservation and total joint replacement, as well as for orthopedic residents and researchers.

This book is the first monograph to examine all aspects of femoroacetabular impingement (FAI), an important disease first described early in the twenty-first century. Comprising 27 chapters and including many color illustrations, the book contains a variety of points of view from more than 50 experts from 11 countries and represents an up-to-date compilation of professional knowledge on FAI. The full range of available surgical treatments is carefully described and evaluated, including arthroscopic treatment, the open and mini-open approaches, periacetabular osteotomy, hip resurfacing arthroplasty, and combined techniques. Differential diagnosis, imaging, postoperative management, and treatment outcome are also discussed in appropriate detail. It is hoped that this book will promote a comprehensive approach to what is a common pathology and thereby encourage further improvement in treatment.

AANA Advanced Arthroscopy: The Hip, by J.W. Thomas Byrd, MD and Carlos A. Guanche, MD, helps you make the most effective use of advanced and emerging, state-of-the-art arthroscopic tech-

niques for managing a wide range of hip problems. Premier arthroscopic surgeons discuss disease-specific options, managing and avoiding complications, and rehabilitation protocols...in print and online. 6 videos demonstrate management of chondral lesions, arthroscopic débridement of pincer impingement and labral repair, arthroscopic femoroplasty: correction of cam lesion, endoscopic release of endotibial band, arthroscopic treatment of peritrochanteric disorders of the hip, and more. Access the fully searchable text, along with a video library of procedures and links to PubMed, online at expertconsult.com. Stay current through coverage of hot topics like Tears of the Cartilaginous Labrum, Chondral Lesions, Femoroacetabular Impingement – Cam, Abductor Tears, and External Snapping Hip Syndrome. Hone your skills thanks to 6 videos of techniques—on Management of Chondral Lesions, Arthroscopic Débridement of Pincer Impingement and Labral Repair, Arthroscopic Femoroplasty: Correction of Cam Lesion, Endoscopic Release of Endotibial Band, Arthroscopic Treatment of Peritrochanteric Disorders of the Hip, and more—performed by experts. See arthroscopic surgical details in full color and understand nuances through interpretative drawings of technical details. Optimize surgical results and outcomes with an emphasis on advanced and emerging arthroscopic techniques, surgical tips, and pearls.

Integrating MRI findings associated with the spectrum of problems seen in the most commonly treated joints in sports medicine with the diagnostic findings seen during arthroscopy of the same joint in the same patient, this unique text correlates this pathology and applies these findings to the clinic, the radiology reading room and the operating suite. Representing a microcosm of daily patient care, this type of interactive correlation is an exceedingly effective tool for education and continued learning, an impetus for interdisciplinary research collaboration and a critical part of an approach to optimum patient care. Furthermore, this case-based correlation between MRI imaging and arthroscopic findings and treatment is a well-received and effective method for teaching and discussion at meetings and instructional courses. MRI-Arthroscopy Correlations is organized into four sections highlighting the four major joints in which MRI and arthroscopy are most commonly used in sports medicine: knee, shoulder, elbow and hip. Chapters are formatted to present an overview of the specific disease entity first, followed by selected cases chosen by the chapter authors that best illustrate common or noteworthy disease entities or pathology with an emphasis on the parallel MRI imaging and arthroscopic findings. Each of the section editors, as well as the volume editor, are nationally recognized experts, teachers and pioneers in their respective areas of sports medicine and have covered the gamut of topics in each of their sections. Taken together, this will be an invaluable resource for sports medicine specialists, orthopedic surgeons and musculoskeletal radiologists alike, promoting increasingly accurate diagnoses of pathology and advanced treatment options to aid in the optimization of patient care and recovery.

This issue of Clinics in Sports Medicine, edited by Eric McCarty, will cover a variety of useful topics related to Articular Cartilage. Articles include, but are not limited to: Basic science of articular cartilage; Non-operative options for management of articular cartilage disease; Biologic options for articular cartilage wear; Management of OCD lesions of the Knee; Elbow and Ankle, Microfracture; Osteochondral Autograft; Allografts; Autologous Chondrocytes and Next Generation Matrix based Autologous Chondrocyte Implantation; Management and surgical options for articular defects in the shoulder; and Management and surgical options for articular defects in the hip, among others.

This book offers practical guidance on all procedures that may be performed within the field of hip preservation surgery, arthroscopy, and endoscopy. European experts share their experiences on everything from basic injections to the most challenging hip procedures, offering step-by-step tutorials and highlighting important tips and tricks. Whereas most books on hip arthroscopy and hip preservation surgery concentrate on pathologies, surgical indications, and the basics of the treatment, here the focus is very much on the individual techniques and recognized variants. These techniques are clearly and precisely described with the aid of a wealth of photo and video illustrations. The coverage encompasses procedures applicable in the widest range of scenarios, including synovial pathologies, labral, chondral, and bony injuries, hip impingement, dysplasia and instability, snapping hips, gluteus medius and minimus tendonitis and tears, other tendinopathies, post-arthroplasty complications, and rehabilitation. The book is published in cooperation with ESSKA and will be an essential aid for orthopaedic surgeons at all levels of experience.

This book is unique in combining an exclusive focus on femoroacetabular impingement (FAI) with an evidence-based approach and the involvement of a diverse group of global experts. It is designed to meet the worldwide need for a summary of current evidence that will readily assist the physician in establishing the most accurate diagnosis and providing the best available treatment. The coverage is wide ranging, encompassing clinical examination, differential diagnosis, imaging,

indications for surgery, contemporary arthroscopic and open management, treatment of labial tears, cartilage injury management, non-operative management, rehabilitation, treatment of complications, and revision surgery. Trainees, physicians, surgeons, and allied health care professionals who treat young adults with hip pain will find the book to be an excellent source of information on what procedures are most helpful and how they should be implemented.

This book focuses on the problems seen in the adult hip in sport including pre arthritic inflammatory, non inflammatory, and degenerative causes of hip pain. It particularly focuses on our rapidly evolving understanding and treatment of joint preserving surgery. In this book experts in the field discuss the anatomy, diagnosis, investigation and pathophysiology of young adult hip disease with a particular focus on the sporting population. Sports Medicine is now a specialty in its own right. Worldwide, hip and groin pain in elite sport is an unresolved issue. This is an area that has expanded dramatically in the last 5 years and hip arthroscopy as a procedure has arrived in a big way with numbers increasing exponentially and the inception of the ISHA (International Society for Hip Arthroscopy).

"Arthroscopic Techniques of the Hip: A Visual Guide by Dr. Bryan T. Kelly and Dr. Marc J. Philippon is unique in that it includes intraoperative photos taken with the scope, detailing and illustrating each step in arthroscopic surgery of the hip from start to finish." --Book Jacket.

This book presents the latest knowledge in the evaluation and management of hip- and groin-related injuries in athletes. Techniques of hip arthroscopy, as well as their limitations and possible complications, are clearly described, and guidance is provided on the use of periarticular hip endoscopy in patients with periarticular problems. A series of chapters address the potential approaches in the various conditions that may be encountered in athletes, including femoroacetabular impingement, athletic pubalgia, chondral and labral injuries, and hip instability by world renowned experts in the field. Considerations in particular age groups, especially adolescents, are highlighted. Rehabilitation is discussed in detail, and a concluding chapter examines emerging perspectives on the management of hip injuries. The book is published in collaboration with ISAKOS and combines the international expertise of ISAKOS members renowned for their management of injuries to the hip and groin. Hip and Groin Pain in the Athlete will be a must-read for team physicians and all clinicians who treat athletes.

The field of hip preservation surgery has evolved over the past decade as our understanding of hip pathomechanics and pathomorphology has expanded. The published literature on non-arthritic hip pathology, for example, has grown exponentially. The topics of controversy in the past decade have been answered in some cases, but new questions have also arisen. In addition to the 99 chapters in the original edition – most of which will be retained and updated as applicable – there will be over 30 brand new chapters focusing on new and more sophisticated techniques from authors that have been the pioneers of the field. The text is divided into nine thematic sections, covering the breadth of the topic and the current state of the art: basic science of the hip; operative basics for hip arthroscopy and open hip preservation surgery; pediatric hip conditions; approaches to disorders of the hip and pelvis; enthesopathy and neuromuscular disorders; hip fractures and instability; avascular necrosis; hip cartilage restoration; and oncologic conditions. Throughout, there is a heavy emphasis on surgical techniques, and video clips will be included in selected chapters. Written by edited by thought leaders and seasoned practitioners in the field, this new edition of Hip Arthroscopy and Hip Joint Preservation Surgery will remain the gold standard for orthopedic surgeons and sports medicine specialists, expanding on the range of techniques available to clinicians treating injuries to and disorders of the hip.

DVD.

This book will serve as a key resource for all clinicians working in orthopedics, sports medicine, and rehabilitation for the sport of tennis. It provides clinically useful information on evaluation and treatment of the tennis player, covering the entire body and both general medical and orthopedic musculoskeletal topics. Individual sections focus on tennis-related injuries to the shoulder, the elbow, wrist, and hand, the lower extremities, and the core/spine, explaining treatment and rehabilitation approaches in detail. Furthermore, sufficient sport science information is presented to provide the clinical reader with extensive knowledge of tennis biomechanics and the physiological aspects of training and rehabilitation. Medical issues in tennis players, such as nutrition and hydration, are also discussed, and a closing section focuses on other key topics, including movement dysfunction, periodization, core training, and strength and conditioning specifics. The expansive list of worldwide contributors and experts coupled with the comprehensive and far-reaching chapter provision

make this the highest-level tennis medicine book ever published.

Now in its Second Edition, this two-volume reference is the only current book available that focuses on the adult hip. More than 100 chapters by the foremost leaders in hip surgery provide comprehensive coverage of disorders of the adult hip—from practical basic science to detailed surgical techniques including hip arthroscopy and developing techniques in minimally invasive surgery. More than 2,600 illustrations complement the text. This edition has new chapters on minimally invasive surgery of the hip. Other new topics covered include use of fiber metal mesh in acetabular revision reconstruction, revision press-fit Wagner type of stems, and implant retrievals.

Authored by the foremost experts in the field, this comprehensive clinical reference covers the diagnosis and treatment of hip and pelvis injuries seen in sports medicine practices. The book details the physical examination and radiology of the hip and pelvis and describes techniques for treating all the important problems encountered in athletes. Of special note is the thorough coverage of problems that occur before a hip replacement is needed. The book provides detailed information on hip intra-articular disease along with all of the bony and soft tissue injuries around the hip joint. Other conditions covered include stress fractures, adductor injuries, sports hernias, and hamstring injuries. Treatment methods described include both arthroscopic and open procedures. The book is profusely illustrated and includes color throughout.

This book is aimed at providing an overview of arthroscopic joint surgery involving major joints in the body. It discusses all aspects of arthroscopy including complex surgical procedures, feasibility of performing surgery as an OPD procedure, and complications associated with these surgeries. The chapters are organised in regional basis and presented in an easy-to-understand format. This book will benefit all sports medicine physicians, orthopaedic surgeons and trainees, physiotherapists, and all clinicians involved in treating joint diseases. The combination of the authors' shared experiences with facts and presentation of figures and photographs will help the reader in understanding the complex principles involved. This can be used as a text for an individual or a "must have" reference book for any medical library.

The Hip Joint, written in 2016, provides a detailed account of the hip joint's anatomy and biomechanics and covers recent trends in orthopaedic surgery of the hip joint, including the latest advances in revision total hip arthroplasty (THA), computer-assisted navigation for THA, resurfacing of the hip joint and neoplastic conditions around the hip as well as indications, complications and outcomes of hip arthroscopy. Another book, The Hip Joint in Adults: Advances and Developments, gives additional important details of how hip joint surgery has evolved around the world. While much of the basic knowledge in this area is constant, it is critically important to stay current on those areas that do change. This updated second edition of The Hip Joint contains a host of original articles from contributory authors all around the world, showing the evolution of the hip joint till the present day, building upon the solid foundation set by the first edition. It covers hot topics such as 3D printing in orthopaedics and traumatology, stem cell therapy in orthopaedics, hip resurfacing, hip-preserving surgery, sports medicine for the hip joint, robotic-assisted surgery in orthopaedics and neoplastic conditions around the hip.

Cartilage defects are common. Cartilage repair surgery is not only fascinating but also surgically challenging. There are books dealing with basic science and some surgical aspect. This book fills a gap in surgical techniques for cartilage repair. All of the surgical chapters are logically organised, covering patient selection, patient setup/positioning, surgical approach, potential complications and troubleshooting. An attempt is made to compare with various surgical techniques. This book also covers anaesthesia, postoperative follow-up, pain management and rehabilitation. Both the editors and the authors are renowned experts in the field. This book will be invaluable for orthopaedic and sports medicine surgeons (consultants and training doctors) and is also of potential interest to physiotherapists, medical students, general practitioners, physical medicine and rehabilitation specialists and rheumatology specialists.

A source of stability and mobility, the hip can withstand a lot of abuse before becoming seriously damaged. When injury occurs no one is happy and movement is often stressful. Fixing and repairing the injured hip is covered in this issue. Chapters in this issue cover hip fractures, stress fractures, instability, impingement, rehabilitation, arthritis, tears, arthroscopy and the athletic hip. Key words: hip arthroscopy, acetabular labral tears, intraarticular injuries, pediatric athletic hip disorders, neuromuscular hip pathology, dislocation, subluxation instability, femoroacetabular impingement syndrome

This book describes current and emerging techniques in hip surgery, providing the essential, up-to-date knowledge that will be required by the orthopaedic surgeon who plans to become a specialist

hip surgeon. The opening chapter offers a concise overview of the surgical anatomy, with particular attention to details relevant to the surgical techniques outlined in the book. The increasingly popular anterior minimally invasive approach to the hip and a microinvasive variation of this approach are then described. Subsequent chapters present surgical approaches to developmental disorders of the hip, including dysplasia and femoroacetabular impingement, and promising hip preservation techniques for avascular necrosis of the hip – an often neglected but internationally relevant disease that can mutilate the hip in young patients. Finally, the latest techniques and implants for primary and revision hip arthroplasty are discussed in depth. The international author team consists of recognized leaders in the field, many of whom have developed the described classifications and new surgical techniques.

Techniques in Hip Arthroscopy and Joint Preservation Surgery is a stunning visual guide to the latest developments in the field. Drs. Jon K. Sekiya, Marc Safran, and Anil S. Ranawat, and Michael Leunig provide a step-by-step, balanced approach—with contributions from an array of North American and international surgeons—to pre-operative planning, surgical technique, technical pearls, management of complications, and post-operative rehabilitation. Surgical videos online demonstrate techniques such as surgical hip dislocation for femoroacetabular impingement and arthroscopic femoral osteoplasty so you can provide your patients with the best possible outcomes. Access the fully searchable text online at www.expertconsult.com, along with a video library of surgical procedures. Grasp the visual nuances of each technique through full-color surgical illustrations and intraoperative photographs. Watch expert surgeons perform cutting edge procedures—such as complex therapeutic hip arthroscopy using a femoral distractor, arthroscopic synovectomy and treatment of synovial disorders, surgical hip dislocation for femoroacetabular impingement, and arthroscopic femoral osteoplasty—online at www.expertconsult.com. Find information quickly and easily thanks to the consistent chapter format that includes technical pearls.

Hip pathology and nonarthritic hip conditions have only recently been recognized as a cause of hip pain. In 2003, Ganz, Leunig and colleagues described the concept of femoroacetabular impingement (FAI) as a cause of hip pain and a mechanism for end-stage hip osteoarthritis. Ganz et al. also postulated that 70-90% of hip osteoarthritis is likely due to abnormal hip mechanics related to

FAI, dysplasia, or other hip deformities. Over the past ten years, the treatment of these non-arthritic hip pathologies has grown dramatically, and has been estimated to grow by 15% each year. It is the largest segment of growth in sports medicine and orthopedics as a whole. However, no definitive reference yet exists on hip arthroscopy and hip joint preservation surgery. While books have been published on hip arthroscopy, these texts are limited to the technical aspects of the procedure and do not explore content related to hip joint preservation surgery. The scope of this book covers the basic science of hip pathology, anatomy, biomechanics, pathology, and treatment. It has put together up-to-date research and has invited opinion leaders in the field to contribute to the text. The book is focused on disease pathology and provides comprehensive information on each disease topic, which is followed by technique-driven chapters to provide surgeons a reference for any procedure related to non-arthritic conditions of the hip.

Written by leading experts from the Mayo Clinic, this volume of our Orthopaedic Surgery Essentials Series presents all the information residents need on hip, knee, shoulder, and elbow reconstruction in adults. It can easily be read cover to cover during a rotation or used for quick reference before a patient workup or operation. The user-friendly, visually stimulating format features ample illustrations, algorithms, bulleted lists, charts, and tables. Coverage of each region includes physical evaluation and imaging, evaluation and treatment of disorders, and operative treatment methods. The extensive coverage of operative treatment includes primary and revision arthroplasty and alternatives to arthroplasty.

Building upon the impeccable reputation of its earlier editions, *Operative Hip Arthroscopy, Third Edition* has been entirely reconceived, rewritten, revised and updated to address current issues and developments in hip arthroscopy. This edition includes 18 new chapters that discuss issues like loose bodies, labral management, chondroplasty and microfracture, lesions of the acetabular fossa, synovial disease, iliopsoas release, iliotibial band release, preitrochanteric space, and capsulorrhaphy, among other topics. Every chapter includes vivid color photographs and illustrations to supplement accessible, engaging text. Dr. J.W. Thomas Byrd, a pioneer in the field, has once again assembled a group of distinguished international contributors whose chapters constitute one of the most complete and comprehensive books on the subject.

Problem: Femoroacetabular impingement (FAI) is recognized as a cause of hip pain in young and middle-aged adults. It is a pathomechanical process that can lead to early failure of the hip. While open surgical hip dislocation is the gold standard surgical technique for treating this condition, the field of hip arthroscopy is quickly evolving as a popular surgical intervention for this condition. The purpose of this literature review is to determine if there are any significance differences in patient outcomes for those patients surgically managed with hip arthroscopy versus open surgical hip dislocation. **Methods:** A PubMed literature database search was conducted for studies published in 2008 or later, containing the following terms: femoroacetabular impingement, hip arthroscopy, and surgical dislocation. Studies were eligible for inclusion if they met the following criteria: (1) they were written in English, (2) FAI was the major diagnosis, (3) arthroscopy or surgical dislocation was the intervention, and (4) outcomes reflected level of function, patient satisfaction, or changes in bony impingement lesions. **Results:** Studies analyzed for this review demonstrated that both arthroscopic and open surgical techniques improve patient function. The review also demonstrates that a majority of patients undergoing either hip arthroscopy or surgical hip dislocation do not develop radiographic signs of advanced chondral wear in 1-3 yearly after surgery. **Conclusions:** Both arthroscopic and open surgical techniques are successful in treating patients with femoral acetabular impingement by improving function and preserving the hip joint.

Hip Preservation Techniques explores hip problems and presents and compares alternative protocols for treating the condition in children, adolescents, young adults, and adults. While poor long-term outcomes of arthroplasty have led to an increasing dependence on procedures to conserve the native hip, preservation surgery may maintain or protect a hip and prevent or delay the need for arthroplasty. Well-established techniques such as cartilage restoration and use of tissue-derived mesenchymal stem cells are presented, and conceptually different procedures such as Bernese peri-acetabular osteotomy, Salter's and Pemberton's osteotomy are also discussed. This book will be useful for medical students, residents and consultants with an interest in hip preservation surgery. **Key Features** Explores the emerging concepts in hip preservation surgery with a concise and to-the-point approach Discusses digital templating in total hip arthroplasty Examines the anterior approach to the hip for a minimally invasive prosthesis Offers a comprehensive coverage of the topic through beautiful illustrations