

supraspinatus tendonitis exercises

supraspinatus tendonitis exercises play a crucial role in the recovery and rehabilitation process for individuals suffering from inflammation or injury to the supraspinatus tendon, a key component of the rotator cuff in the shoulder. These exercises are designed to reduce pain, restore strength, and improve shoulder mobility, ultimately aiding in the return to normal function. Properly performed supraspinatus tendonitis exercises can help prevent further injury and promote healing by targeting the muscles and tendons involved. This article provides a comprehensive overview of effective exercises, including stretching, strengthening, and range-of-motion movements. Additionally, guidance on proper technique, precautions, and progression will be discussed. The following sections will explore the anatomy of the supraspinatus tendon, benefits of exercise therapy, specific exercise routines, and recommended tips for safe practice.

- Understanding Supraspinatus Tendonitis
- Benefits of Supraspinatus Tendonitis Exercises
- Effective Supraspinatus Tendonitis Exercises
- Guidelines for Performing Exercises Safely
- Progression and Maintenance

Understanding Supraspinatus Tendonitis

Supraspinatus tendonitis is an inflammation or irritation of the supraspinatus tendon, which is part of the rotator cuff group of muscles in the shoulder. This tendon is responsible for assisting with arm elevation and stabilizing the shoulder joint during movement. Tendonitis typically occurs due to repetitive overhead activities, injury, or degenerative changes, leading to pain and restricted shoulder function. Understanding the anatomy and pathology is essential for effective treatment and rehabilitation.

Anatomy of the Supraspinatus Tendon

The supraspinatus muscle originates from the supraspinous fossa of the scapula and inserts into the greater tubercle of the humerus. Its tendon passes under the acromion, a bony prominence of the scapula, which can cause impingement and irritation. This anatomical arrangement makes the supraspinatus tendon susceptible to wear and inflammation, particularly in athletes and individuals performing repetitive shoulder motions.

Symptoms and Causes of Tendonitis

Common symptoms of supraspinatus tendonitis include a deep ache in the shoulder, pain during arm elevation, weakness, and limited range of motion. Causes often involve repetitive overhead movements, poor posture, muscular imbalances, or direct trauma. Early diagnosis and intervention with targeted exercises are critical to prevent chronic conditions such as rotator cuff tears.

Benefits of Supraspinatus Tendonitis Exercises

Engaging in specific supraspinatus tendonitis exercises offers numerous benefits. These exercises aid in reducing inflammation, restoring muscle strength, enhancing flexibility, and improving shoulder stability. Regular exercise promotes blood flow to the affected tendon, facilitating tissue repair and reducing stiffness. Furthermore, strengthening the surrounding rotator cuff muscles helps distribute mechanical stress more evenly, reducing the risk of re-injury.

Pain Reduction and Inflammation Control

Gentle stretching and controlled movements can help alleviate pain by decreasing pressure on the inflamed tendon and improving circulation. This can reduce swelling and promote faster recovery.

Improvement in Shoulder Function

Strengthening exercises improve the dynamic stability of the shoulder joint, allowing for better arm control and increased range of motion. This improvement is essential for daily activities and athletic performance.

Prevention of Future Injuries

Targeted exercises correct muscular imbalances and enhance posture, which are common contributors to tendonitis. Maintaining shoulder strength and flexibility reduces the likelihood of recurrence.

Effective Supraspinatus Tendonitis Exercises

A well-rounded exercise program for supraspinatus tendonitis includes stretching, strengthening, and mobility exercises tailored to individual needs. The following are some of the most effective exercises used in rehabilitation protocols.

Stretching Exercises

Stretching helps maintain or improve the flexibility of the shoulder muscles and tendons, reducing tension on the supraspinatus tendon.

- **Cross-Body Shoulder Stretch:** Bring one arm across the chest and use the opposite hand to gently pull the arm closer to the chest. Hold for 20-30 seconds and repeat 3 times per arm.
- **Posterior Capsule Stretch:** With the affected arm bent at 90 degrees, use the opposite hand to push the elbow gently towards the opposite shoulder. Hold for 20-30 seconds and repeat 3 times.

Strengthening Exercises

Strengthening the rotator cuff muscles, especially the supraspinatus, is essential to support the shoulder joint and prevent further injury.

- **Isometric Shoulder Abduction:** Stand with the affected arm at the side, elbow bent at 90 degrees. Push the arm outward against a wall without moving the shoulder. Hold for 5-10 seconds and repeat 10 times.
- **External Rotation with Resistance Band:** Attach a resistance band at waist height. Hold the band with the elbow bent at 90 degrees, keeping the elbow close to the body. Rotate the forearm outward slowly, then return. Perform 2-3 sets of 10-15 repetitions.
- **Scaption Exercise:** Raise the arms in the scapular plane (about 30 degrees forward from the body) with thumbs pointing up. Lift to shoulder height slowly and lower. Perform 2-3 sets of 10-15 repetitions.

Range of Motion and Mobility Exercises

Maintaining or restoring shoulder mobility is critical to reduce stiffness and improve function.

- **Pendulum Swings:** Lean forward with the unaffected arm supported on a table and let the affected arm hang freely. Gently swing the arm in small circles for 1-2 minutes.
- **Wall Crawls:** Face a wall and use the fingers of the affected arm to crawl up the wall as high as possible without pain. Hold for a few seconds and crawl back down. Repeat 10 times.

Guidelines for Performing Exercises Safely

Proper technique and safety precautions are essential when performing supraspinatus tendonitis exercises to avoid exacerbating the condition or causing new injuries. Attention to form, gradual progression, and listening to the body's signals are key factors in successful rehabilitation.

Warm-Up and Preparation

Before beginning any exercise routine, warm up the shoulder with light movements or heat application to increase blood flow and prepare the tissues for activity.

Exercise Technique

Maintain controlled, slow movements throughout each exercise. Avoid sudden jerks or overextension of the shoulder, which can aggravate tendonitis.

Pain Management During Exercises

Some discomfort may be expected, but sharp or severe pain signals the need to stop and reassess the exercise. Modify or discontinue exercises that increase pain beyond a mild threshold.

Frequency and Duration

Start with shorter sessions, such as 10-15 minutes daily, and gradually increase intensity and duration as tolerated. Consistency is more important than intensity in tendonitis rehabilitation.

Progression and Maintenance

As symptoms improve, progression of supraspinatus tendonitis exercises involves increasing resistance, range of motion, and functional activities. This gradual advancement promotes continual strengthening and resilience of the tendon and shoulder muscles.

Incorporating Functional Movements

Once basic exercises are well tolerated, integrate activities that mimic daily or sports-specific movements to restore full shoulder function.

Long-Term Maintenance

Continuing a regular routine of shoulder strengthening and stretching exercises helps maintain tendon health and prevents recurrence of tendonitis.

When to Seek Professional Guidance

If pain persists or worsens despite exercise therapy, consultation with a healthcare professional or physical therapist is recommended to tailor a treatment plan and explore additional interventions.

Frequently Asked Questions

What are the best exercises for supraspinatus tendonitis?

Some of the best exercises include pendulum swings, isometric shoulder external rotations, scapular squeezes, and gentle rotator cuff strengthening exercises to reduce pain and promote healing.

How soon can I start exercises after being diagnosed with supraspinatus tendonitis?

You can usually begin gentle range-of-motion and isometric exercises soon after diagnosis, but strengthening exercises should start only after pain decreases, typically within 1-2 weeks, under a healthcare provider's guidance.

Can supraspinatus tendonitis exercises help reduce pain?

Yes, specific exercises can help reduce pain by improving blood flow, reducing inflammation, and strengthening the muscles around the shoulder to support the tendon.

Are there any exercises I should avoid with supraspinatus tendonitis?

Avoid overhead lifting, heavy resistance exercises, and movements that cause sharp pain or discomfort in the shoulder to prevent further irritation of the tendon.

How often should I do supraspinatus tendonitis exercises?

It is generally recommended to perform exercises 3-4 times per week, but frequency and intensity should be tailored to individual tolerance and guided by a physical therapist.

What is the role of stretching in supraspinatus tendonitis rehabilitation?

Stretching helps maintain shoulder flexibility and reduce muscle tightness, which can alleviate stress on the supraspinatus tendon and aid in recovery.

Can supraspinatus tendonitis exercises prevent future injuries?

Yes, regular strengthening and flexibility exercises for the rotator cuff and scapular muscles can help prevent recurrence by improving shoulder stability and mechanics.

Is physical therapy necessary for supraspinatus tendonitis exercises?

Physical therapy is highly beneficial as therapists can provide personalized exercise programs,

monitor progress, and ensure exercises are done correctly to optimize recovery.

What equipment do I need for supraspinatus tendonitis exercises?

Basic equipment includes resistance bands, light dumbbells, and a stable chair or table for support during exercises, but many exercises can be done with no equipment.

How long does it take to see improvement with supraspinatus tendonitis exercises?

Improvement typically occurs within 4 to 6 weeks of consistent exercise and proper care, but some cases may take longer depending on severity and adherence to the program.

Additional Resources

1. Strengthening the Supraspinatus: A Guide to Tendonitis Recovery

This book offers a comprehensive approach to rehabilitating supraspinatus tendonitis through targeted exercises. It includes step-by-step instructions, illustrated exercises, and tips for gradually increasing strength without aggravating the tendon. Readers will find guidance on proper form and progression to ensure safe recovery.

2. Supraspinatus Tendonitis: Exercises for Pain Relief and Healing

Focused on alleviating pain and promoting healing, this book provides a collection of gentle stretching and strengthening routines specifically for supraspinatus tendonitis. It emphasizes understanding shoulder anatomy and recognizing early signs of overuse. The exercises are designed for all fitness levels and include modifications for beginners.

3. Rehab and Recovery: Supraspinatus Tendonitis Exercise Program

This practical manual outlines a structured exercise program aimed at restoring function and reducing inflammation in the supraspinatus tendon. It combines physical therapy techniques with home-based workouts and advice on posture correction. The book also discusses common mistakes to avoid during the recovery process.

4. Healing Shoulder Tendons: Exercises Targeting the Supraspinatus

Offering an in-depth look at tendon healing, this book presents scientifically-backed exercises to strengthen the supraspinatus muscle and tendon. It covers warm-up routines, resistance training, and mobility drills, helping readers rebuild shoulder stability. The author also shares strategies for preventing future tendon injuries.

5. Overcoming Supraspinatus Tendonitis: A Holistic Exercise Approach

This guide combines physical exercises with lifestyle adjustments to address supraspinatus tendonitis comprehensively. It promotes a balance of rest, strengthening, and flexibility exercises, alongside ergonomic advice to reduce shoulder strain. The book encourages mindfulness and body awareness during rehabilitation.

6. The Complete Supraspinatus Tendonitis Exercise Handbook

An all-encompassing resource, this handbook details a variety of exercises from gentle stretches to

advanced strengthening techniques. It is designed for patients, therapists, and trainers alike, featuring clear illustrations and progression charts. The book also includes tips on integrating exercises into daily routines.

7. Supraspinatus Tendonitis Relief Through Targeted Exercise

This book zeroes in on exercises that specifically target the supraspinatus tendon to relieve inflammation and restore shoulder function. It offers guidance on pain management, proper exercise frequency, and safe intensity levels. Readers will benefit from expert advice on combining therapeutic exercises with other treatment modalities.

8. Functional Exercises for Supraspinatus Tendonitis Rehabilitation

Emphasizing functional movement, this book focuses on exercises that improve shoulder mechanics and everyday usability. It teaches readers how to perform movements that mimic daily activities while strengthening the supraspinatus. The book also discusses the importance of muscle balance and coordination in tendonitis recovery.

9. Supraspinatus Tendonitis: Preventive and Recovery Exercises

This book addresses both prevention and recovery, providing exercises that reduce the risk of developing supraspinatus tendonitis and aid in healing existing injuries. It includes warm-up protocols, strengthening routines, and advice on maintaining shoulder health long-term. The practical tips make it suitable for athletes and non-athletes alike.

Supraspinatus Tendonitis Exercises

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supraspinatus tendonitis exercises: The Percussionists' Guide to Injury Treatment and Prevention Dr. Darin "Dutch" Workman, 2013-01-11 Pain and injury are near constant companions for professional musicians. Aching hands, painful joint swelling, back problems, among other ailments were all thought to be part of the price musicians had to pay to be performers. However, thanks to an increasing awareness of both the kinesiology and biology of movement, as well as proper techniques for fostering good performance habits, musicians no longer have to suffer in silence. Perhaps no group of musicians has been more prone to career-threatening injury than percussionists, and the demands for speed, power, control, and endurance are only increasing. Often musicians wait until an injury is so aggravated that it's too late to be fully treated. In almost every case, if the drummer had done some very simple preventative (or early) care, the injury would never have become a serious issue. The Percussionists' Guide to Injury Treatment and Prevention is designed to aid in that early prevention and treatment. Although it is not a substitute for clinical diagnosis or medical care from a trained physician, it can educate the musician as to how the human

body works; the role of muscles and skeletal structure in supporting movement; and understanding specifically how to prevent and treat common injuries. The book begins with a general discussion of how the body works and basic prevention concepts. It then covers each specific area of the body (where it hurts), suggesting practical ways to prevent and treat it. Basic anatomy is covered in terms that a musician can understand. For all percussion students and professionals, *The Percussionists' Guide to Injury Treatment and Prevention* will be an indispensable companion.

supraspinatus tendonitis exercises: *The 5-Minute Clinical Consult 2020* Sangeeta Sharma, 2019-12-15 Over 250 diagnostic and treatment algorithms over 900 topics providing clinical guidance current evidence-based designations highlighted in each topic at-a-glance format with concise and bulleted text, ICD-10 codes, dsm-5 criteria quick information to help in diagnosis, treatment selection and medication dosing easy-to-use reference at point of care providing quick answer to a direct clinical question.

supraspinatus tendonitis exercises: Fix My Shoulder George Demirakos, 2014-10-16 The shoulder is the most mobile joint in the body. It enjoys an amazing range of motion; it can rotate 360 degrees and can extend upward, sideways, across the body, outward, inward, every which way. That makes it the most useful joint we have, and, not surprisingly, we use it the most. Lifting, pushing, pulling, throwing, catching, hugging: the shoulder experiences more motion than any other joint. So it is perhaps not surprising that, sooner or later, it becomes overtaxed—fatigued. After all, as with anything, if you keep applying the same pressure over and over, the strength and stability of the structure being pressured will wear down. That's what happens to the shoulder, and when it does, it's not only painful; it can also stop you in your tracks, limiting your ability to do even simple things you're used to doing. The truth is that if you've never felt any kind of shoulder pain whatsoever, the chances are good that as you grow older, you will. Our bodies tend to lose muscle and bone mass as we age, and we become more susceptible to the aches and pains that may result. But neither the weakness nor the pain is inevitable. The shoulder can be fixed, and the pain can go away. First, there's a fix that cures the weakness and ends the pain. But there are also things you can do to prevent injury or strain in the first place, so that you never have to lose the strength, stability, and range of motion of the shoulder at all. *Fix My Shoulder* explores the anatomy and function of the shoulder, methods of preventing pain and injury, and treatments for healing that anyone can implement for better shoulder health and function.

supraspinatus tendonitis exercises: Sports & Exercise Massage Sandy Fritz, 2013-02-01 Providing guidelines for applying massage to amateur and professional athletes, *Sports & Exercise Massage: Comprehensive Care in Athletics, Fitness, & Rehabilitation*, 2nd Edition helps you address the challenges of treating clients involved in sports, physical fitness, rehabilitation, and exercise. In-depth coverage describes common patterns for sports activities, such as running and throwing, and uses the principles of massage to focus on assessment techniques, indications, contraindications, and outcome goals. This edition includes a new chapter on stretching, hundreds of full-color photos of techniques, and an Evolve companion website with step-by-step videos demonstrating sports massage applications. Written by noted educator and massage therapy expert Sandy Fritz, this resource provides the proven massage techniques you need to manage common exercise and sports injuries and syndromes. - Comprehensive coverage includes all the essentials of sports and exercise massage in one resource, with topics such as theories of sports, fitness, and rehabilitation; a brief anatomy and physiology review; basic nutrition for fitness; a review of massage methods and detailed descriptions of therapeutic techniques that apply to sports massage, such as lymph drainage, care of acute injury, connective and deep tissue applications, and pain management; and discussions of categories of injury common to athletes: sprains, strains, wounds, contusions, joint injury, and more. - More than 600 full-color illustrations show procedures, concepts, and techniques. - Student-friendly features include chapter outlines and learning objectives, key terms, summaries, review questions, a glossary, and In My Experience boxes highlighting real-life situations in sports and exercise massage. - Case studies provide an opportunity to develop clinical reasoning skills. - Student resources on an Evolve companion website include

videos demonstrating techniques, a stretching atlas, a general massage protocol, and additional case studies. - Expert author Sandy Fritz provides massage for professional athletes in many sports, and her school, the Health Enrichment Center, had a 13-year partnership with the Detroit Lions. - UPDATED photos and illustrations show techniques with more clarity than before. - NEW Stretching chapter shows how to use methods of stretching in a safe and beneficial manner. - UPDATED complete general protocol suitable for the common athlete is included on the Evolve companion website, featuring a video and a step-by-step guide that can easily be modified to meet the specific needs of athletic clients. - Added emphasis on treatment planning for athletic clients includes case studies and more In My Experience boxes describing Sandy Fritz's real-life experiences with sports massage. - Expanded chapter on research supports evidence-informed practice, including research on fascia and kinesiotaping. - Additional orthopedic tests most commonly used by massage therapists are included to enhance your skills in assessment and referral.

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associated topic for quick reference Images - Provide visual guidance in areas such as dermatology, radiology etc Updates - Topics, videos, handouts, drugs and more updated on a regular basis Mobile - Web-enabled mobile access to diseases/conditions, drugs, images, algorithms and lab tests as well as updates

supraspinatus tendonitis exercises: Therapeutic Exercise for Musculoskeletal Injuries

Peggy A. Houglum, 2018-10-30 Therapeutic Exercise for Musculoskeletal Injuries, Fourth Edition With Online Video, presents foundational information that instills a thorough understanding of rehabilitative techniques. Updated with the latest in contemporary science and peer-reviewed data, this edition prepares upper-undergraduate and graduate students for everyday practice while serving as a referential cornerstone for experienced rehabilitation clinicians. The text details what is happening in the body, why certain techniques are advantageous, and when certain treatments should be used across rehabilitative time lines. Accompanying online video demonstrates some of the more difficult or unique techniques and can be used in the classroom or in everyday practice. The content featured in Therapeutic Exercise for Musculoskeletal Injuries aligns with the Board of Certification's (BOC) accreditation standards and prepares students for the BOC Athletic Trainers' exam. Author and respected clinician Peggy A. Houglum incorporates more than 40 years of experience in the field to offer evidence-based perspectives, updated theories, and real-world applications. The fourth edition of Therapeutic Exercise for Musculoskeletal Injuries has been streamlined and restructured for a cleaner presentation of content and easier navigation. Additional updates to this edition include the following:

- An emphasis on evidence-based practice encourages the use of current scientific research in treating specific injuries.
- Full-color content with updated art provides students with a clearer understanding of complex anatomical and physiological concepts.
- 40 video clips highlight therapeutic techniques to enhance comprehension of difficult or unique concepts.
- Clinical tips illustrate key points in each chapter to reinforce knowledge retention and allow for quick reference.

The unparalleled information throughout Therapeutic Exercise for Musculoskeletal Injuries, Fourth Edition, has been thoroughly updated to reflect contemporary science and the latest research. Part I includes basic concepts to help readers identify and understand common health questions in examination, assessment, mechanics, rehabilitation, and healing. Part II explores exercise parameters and techniques, including range of motion and flexibility, proprioception, muscle strength and endurance, plyometrics, and development. Part III outlines general therapeutic exercise applications such as posture, ambulation, manual therapy, therapeutic exercise equipment, and body considerations. Part IV synthesizes the information from the previous segments and describes how to create a rehabilitation program, highlighting special considerations and applications for specific body regions. Featuring more than 830 color photos and more than 330 illustrations, the text clarifies complicated concepts for future and practicing rehabilitation clinicians. Case studies throughout part IV emphasize practical applications and scenarios to give context to challenging concepts. Most chapters also contain Evidence in Rehabilitation sidebars that focus on current peer-reviewed research in the field and include applied uses for evidence-based practice. Additional learning aids have been updated to help readers absorb and apply new content; these include chapter objectives, lab activities, key points, key terms, critical thinking questions, and references. Instructor ancillaries, including a presentation package plus image bank, instructor guide, and test package, will be accessible online. Therapeutic Exercise for Musculoskeletal Injuries, Fourth Edition, equips readers with comprehensive material to prepare for and support real-world applications and clinical practice. Readers will know what to expect when treating clients, how to apply evidence-based knowledge, and how to develop custom individual programs.

supraspinatus tendonitis exercises: Rotator Cuff Injuries Patrick J. McMahon, 2017-09-30

Comprised exclusively of clinical cases presenting injuries to and management of the rotator cuff, this concise, practical casebook will provide orthopedic surgeons with the best real-world strategies to properly manage the various kinds of cuff injury they may encounter. Each chapter is a case that opens with a unique clinical presentation, followed by a description of the diagnosis, assessment and

management techniques used to treat it, as well as the case outcome, literature review and clinical pearls and pitfalls. Cases included illustrate different management strategies for rotator cuff surgery, including arthroscopic repair for tendonitis and tears, open and mini-open repair for severe tears, latissimus dorsi and pectoralis tendon transfer, arthroscopic debridement, hemiarthroplasty and total reverse arthroplasty, biological augmentation, and revision repair after retear and infection. Pragmatic and reader-friendly, *Rotator Cuff Injuries: A Clinical Casebook* is an excellent resource for orthopedic surgeons and sports medicine specialists confronted with both common and complex injuries to the rotator cuff.

supraspinatus tendonitis exercises: Basic Principles and Operative Management of the Rotator Cuff C. Benjamin Ma, Brian T. Feeley, 2012 *Basic Principles and Operative Management of the Rotator Cuff* by Drs. C. Benjamin Ma and Brian Feeley is a unique and comprehensive book that covers arthroscopic, open techniques, and reconstructive options for treating rotator cuff tears. The first section focuses on an up-to-date understanding the basic principles of the rotator cuff-its anatomy, the basic science behind rotator cuff pathology, diagnosis, and imaging. This section references recent literature so that the reader understands the pathology of rotator cuff disease. The second section focuses on the different types of rotator cuff pathology, how to diagnose pathology accurately, and discusses different non operative and operative treatment options. The operative sections will provide detailed state of the art techniques with clear photos and illustrations to take the surgeon through surgical procedures step-by-step. It is a comprehensive text on the operative management of rotator cuff pathology, including arthroscopic and open repairs, revision surgery, tendon transfers, and reverse shoulder arthroplasty. The book also describes tricks and tips to help the surgeon avoid common errors that are often encountered during the procedure. Different options for each type of rotator cuff problem will be presented. The final section will focus on complicated problems encountered in the shoulder. Topics Include: - Anatomic structures, vascular and nerve supply, and the relevant surgical anatomy of the rotator cuff - Biomechanics of the rotator cuff-how the rotator cuff works to raise and lower the shoulder and position the arm in space, and how these functions are lost in cuff tears - Understanding the molecular mechanisms responsible for tendon and muscle degeneration - How to evaluate imaging in order to accurately diagnose rotator cuff tear problems and to be well-prepared for the operating room - Office and surgical management of common rotator cuff problems--divided into an introduction, diagnosis, non operative management, operative management, post operative management, and outcomes - Treatment options for large and massive cuff tears - Reconstructive options--replacements and muscle transfers - Detailed step-by-step guide to allow surgeons to navigate through complicated procedures Bonus! *Basic Principles and Operative Management of the Rotator Cuff* offers a companion Web site featuring complete surgical videos to walk you through each detailed technique step-by-step. In this constantly evolving field, *Basic Principles and Operative Management of the Rotator Cuff* will be a comprehensive reference for practicing orthopedic surgeons, sports medicine surgeons, shoulder and elbow specialists, and orthopedic surgery residents.

supraspinatus tendonitis exercises: *Disorders of the Rotator Cuff and Biceps Tendon E-Book* Matthew T. Provencher, Brian J. Cole, Anthony A. Romeo, Pascal Boileau, Nikhil Verma, 2019-06-01 With a concise, expert focus on one of today's hottest topics in shoulder surgery, *Disorders of the Rotator Cuff and Biceps Tendon* provides thorough, up-to-date coverage of all aspects of this fast-changing area. This unique volume covers everything from physical examination and imaging workup to state-of-the-art treatment methodologies and clinical indications for operative techniques. Designed with the clinician in mind, it offers a comprehensive, well-illustrated approach in an easy-to-read format, supplemented by surgical videos created by leaders in the field. - Expert contributing authors describe every procedural step in a logical, methodical manner, offering clinical and technical pearls from personal experience. - Surgical techniques are written with the general orthopaedist in mind and include an emphasis on transitioning to all-arthroscopic techniques. - Coverage includes non-operative care, including an emphasis on rotator cuff and proximal biceps rehabilitation techniques, injections, and modalities. - Expert discussions include advanced

arthroscopic rotator cuff repair techniques, revision surgery, and arthroplasty (hemiarthroplasty, total shoulder, and reverse shoulder arthroplasty) for failed cuff repair. - Unique! Includes salvage reconstruction techniques including tendon transfers, biologic patches, and emerging technologies. - More than 1100 high-quality illustrations include both original artwork and clinical photographs that accurately depict important aspects of each procedure for surgical management. - Before each surgical technique, quick-reference text boxes in bulleted format present guidelines for arriving at the associated diagnosis. - Ideal for orthopaedic surgeons, fellows, residents, and students in orthopaedic surgery as well as physical therapists, physician assistants and athletic trainers.

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supraspinatus tendonitis exercises: The 5-Minute Clinical Consult 2011 Frank J. Domino, 2010 The 5-Minute Clinical Consult, 2011 provides rapid-access information on the diagnosis, treatment, and follow-up of over 900 medical conditions. This best-selling clinical content is accessible online with the enhanced, quarterly-updated site or on your mobile device, to ensure instant point-of-care access to information in whichever format best suits your needs. The content has been updated to include 20 new topics, more evidence-based medicine ratings, expanded clinical pearls and patient education sections, additional complementary and alternative medicine material, and updated ICD-9 codes highlighted within the text. The online content has been enhanced and now contains a better and faster search functionality providing answers in 30 seconds or less. It continues to have fully searchable content of the book with links to PubMed, plus additional topics not covered in the print book. The online content also has over 1,000 English and Spanish patient handouts from AAFP; full-color images; videos of medical procedures and physical therapy; a new dermatology library; drug databases from Facts & Comparisons including monographs, images, interactions and updates; and laboratory information from the new edition of Wallach's Interpretation of Diagnostic Tests. This content is updated quarterly with new topics, medical procedure videos, more diagnostic images, drugs, and more. You can access all your 5-Minute Consult content using any web enabled mobile device, including Blackberry, Windows Mobile, Android, Palm, Windows PC, iPhone, or iPod Touch. Begin integrating the 5-Minute content into your daily workflow today.

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