

# shoulder mobility exercises plate

**shoulder mobility exercises plate** are a highly effective and versatile tool for enhancing range of motion, improving stability, and preventing injuries in the shoulder joint. Incorporating specific movements with a weight plate can significantly benefit athletes, fitness enthusiasts, and individuals experiencing stiffness or discomfort. This comprehensive guide will delve into the advantages of using plates for shoulder mobility, explore a variety of targeted exercises, and provide guidance on how to safely and effectively integrate them into your routine. We will cover everything from foundational movements to more advanced progressions, ensuring you have the knowledge to unlock your shoulder's full potential and maintain optimal joint health.

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## Benefits of Shoulder Mobility Exercises with Plates

The shoulder joint is the most mobile joint in the human body, a complex structure of bones, muscles, and ligaments that allows for an extraordinary range of motion. However, this extensive mobility also makes it susceptible to injury. Shoulder mobility exercises, particularly those utilizing a weight plate, offer a unique advantage by providing gentle, controlled resistance that challenges the joint through its full arc of movement. This resistance helps to strengthen the stabilizing muscles, improve proprioception (the body's awareness of its position in space), and enhance the neuromuscular control necessary for smooth, efficient, and pain-free shoulder function.

Using a weight plate for mobility work is more than just adding external load; it's about purposeful movement. The plate's design, often flat and with handles or a center hole, allows for a natural grip and a controlled swing or rotation. This controlled resistance can help to identify and address specific areas of tightness or weakness that might be overlooked with bodyweight exercises alone. Furthermore, the tactile feedback from holding the plate can improve mind-muscle connection, leading to more precise and effective activation of the muscles surrounding the glenohumeral joint.

Regularly performing shoulder mobility exercises with a plate can lead to a noticeable improvement in daily activities. Simple tasks like reaching

overhead, carrying groceries, or even the complex movements required in sports can become easier and less strenuous. By systematically working through various planes of motion, you can break down adhesions, increase synovial fluid production within the joint capsule, and promote tissue health. This proactive approach to shoulder care is crucial for long-term joint resilience and performance enhancement.

## **Understanding Proper Plate Selection**

Choosing the right weight plate is paramount for effective and safe shoulder mobility exercises. The goal is not to lift heavy weights but to use a load that allows for controlled, fluid movements through the full range of motion. For most shoulder mobility work, lighter plates are ideal. Think about options that range from 1.25 lbs (0.5 kg) to 5 lbs (2.5 kg). The specific weight will depend on your current strength and mobility levels.

Consider the type of plate as well. Standard Olympic plates are typically too large and cumbersome for fine-tuned mobility movements. Smaller, more manageable plates, often referred to as fractional plates, training plates, or even sometimes found in specialized dumbbell sets with small weight discs, are generally preferred. Some plates have a smooth exterior, while others have textured grips or cutouts. A plate with a comfortable grip is essential to maintain control and prevent slippage, which could lead to injury. If the plate lacks dedicated handles, ensure the center hole or the edge allows for a secure, non-painful grip.

It's also important to consider the diameter of the plate. Smaller diameter plates will naturally feel more manageable for rotational and overhead movements compared to larger, heavier plates. If you are new to using plates for mobility, start with the lightest option available and gradually increase the weight only when you can comfortably and with perfect form complete all repetitions of an exercise. The emphasis should always remain on the quality of movement and the degree of mobility achieved, not on the amount of weight lifted.

## **Fundamental Plate Shoulder Mobility Exercises**

These foundational exercises are designed to gently introduce the shoulder joint to controlled movement with external resistance, targeting key areas of mobility and stability. They are excellent starting points for anyone looking to improve their shoulder health and function.

## **Plate Halos**

Plate halos are a fantastic way to warm up the entire shoulder girdle and improve rotational mobility. To perform a plate halo, stand with your feet shoulder-width apart, holding a lightweight plate with both hands at the bottom edge, palms facing each other. Keeping your core engaged and your arms relatively straight (slight bend is okay), slowly circle the plate around your head. Imagine drawing a halo. Move the plate in one direction for a set number of repetitions, then reverse the direction. Focus on keeping the movement smooth and controlled, allowing your shoulders to move naturally without shrugging or compensating.

## **Plate Forward and Backward Circles**

This exercise targets the anterior and posterior deltoids and the rotator cuff muscles, enhancing both forward and backward range of motion. Hold a lightweight plate with both hands in front of your chest, palms facing each other. Keeping your arms extended (but not locked), slowly move the plate in a large circle forward, aiming to keep your torso as still as possible. Complete a set number of repetitions, then reverse the direction, bringing the plate from behind you forward. The focus here is on the controlled rotation and elevation of the shoulder joint. Ensure you are not arching your back excessively to compensate for lack of mobility.

## **Plate Overhead Holds and Reaches**

This exercise is excellent for improving overhead mobility and shoulder stability. Hold a lightweight plate with both hands, palms facing each other, in front of your hips. Keeping your arms straight, slowly raise the plate overhead. As you reach the top, continue to focus on driving the plate upwards, subtly engaging your lats and upper back to create space. Hold the overhead position for a few seconds, feeling the stretch and engagement in your shoulders. Then, slowly lower the plate back down. For an added challenge, you can perform single-arm overhead holds, alternating arms.

## **Plate Scapular Retractions and Protraction**

Focusing on the movement of the shoulder blades themselves is crucial for overall shoulder health. Stand or sit tall, holding a light plate with arms extended in front of you at chest height, palms facing each other. Keeping your arms straight, squeeze your shoulder blades together, bringing the plate slightly closer to your chest. This is scapular retraction. Then, actively push the plate away from you, allowing your shoulder blades to glide apart and round your upper back slightly. This is scapular protraction. This exercise helps to build awareness and control over scapular movement, which is fundamental for healthy shoulder function.

# Advanced Plate Shoulder Mobility Progressions

Once you have mastered the fundamental exercises and built a solid base of shoulder mobility and control, you can explore more challenging progressions to further enhance your range of motion, strength, and stability.

## Single-Arm Plate Halos

Transitioning to a single-arm halo significantly increases the demand on the rotator cuff and stabilizing muscles. Hold a lightweight plate with one hand, gripping the edge or through the center hole. Keeping your core braced and your body stable, circle the plate around your head with the working arm. Move slowly and with control, paying close attention to any discomfort or instability. Complete all repetitions on one side before switching to the other. This progression requires greater isometric strength and proprioception to maintain balance and control.

## Plate Windmills

The plate windmill is an excellent exercise for improving thoracic mobility and contralateral shoulder stability. Stand with your feet wider than shoulder-width apart, holding a moderate-weight plate with both hands directly overhead, arms extended. Pivot your feet so they point roughly 45 degrees in the direction of your lead leg. Keeping your lead leg straight (but not locked) and your trail leg slightly bent, hinge at your hips, bending your lead knee as you reach the plate towards the floor in front of your lead foot. Imagine you are performing a one-handed deadlift motion with the weight overhead. As you descend, rotate your torso, allowing the plate to arc around your body, and end with the plate behind your heel, still held overhead. Then, reverse the movement to return to the starting position. This exercise demands significant coordination and core strength.

## Plate Pendulums with Rotation

This advanced variation builds upon the basic plate pendulum by adding a rotational element. Lean forward at the hips, supporting yourself with one hand on a stable surface (like a bench or rack). Let the arm holding the light plate hang straight down. Gently swing the plate forward and backward, then side to side. To add the rotational component, as you swing the plate forward, subtly rotate your torso to allow the plate to arc slightly across your body. As you swing back, allow for a controlled counter-rotation. This movement encourages dynamic mobility through the glenohumeral joint and the surrounding muscles, improving the shoulder's ability to adapt to various forces.

## **Plate Overhead Lunges with Rotation**

This dynamic exercise challenges both lower body strength and upper body stability and mobility simultaneously. Hold a lightweight plate with both hands overhead, arms extended. Step forward into a lunge, maintaining the overhead plate position. As you lunge, gently rotate your torso towards your lead leg, keeping the plate balanced overhead. Return to the starting position, and then repeat on the other side. This exercise requires significant core engagement and shoulder girdle control to maintain the weight overhead while performing a dynamic lower body movement and thoracic rotation.

## **Integrating Plate Exercises into Your Routine**

Effectively integrating shoulder mobility exercises with plates into your fitness regimen is key to maximizing their benefits and ensuring consistent progress. The best approach is to tailor the exercises to your specific needs and goals, whether that's injury prevention, performance enhancement, or simply improving daily comfort.

One of the most effective ways to incorporate these exercises is as part of your warm-up routine. Before any significant upper body workout, a session of plate halos, forward/backward circles, and overhead holds can prime your shoulder joints, increase blood flow, and prepare the muscles for more strenuous activity. This can significantly reduce the risk of injury. Aim for 5-10 minutes of focused mobility work, performing 10-15 repetitions of each exercise.

Plate exercises can also be an excellent addition to your cool-down. After a demanding workout, gentle mobility work can help to restore the shoulder's natural range of motion, reduce muscle soreness, and promote recovery. Focus on slower, more controlled movements during your cool-down to encourage relaxation and elongation of the tissues.

For individuals seeking to specifically improve shoulder mobility, dedicated mobility sessions can be scheduled 2-3 times per week. These sessions can be longer, allowing for a more comprehensive exploration of various exercises and their progressions. You might choose to incorporate more advanced variations during these dedicated sessions. Listen to your body; if you feel any sharp pain, stop the exercise immediately. Consistency is more important than intensity when it comes to mobility work.

## **Safety Considerations for Shoulder Mobility**

## with Plates

Prioritizing safety is paramount when incorporating any exercise, including shoulder mobility exercises with plates. The shoulder joint's complex anatomy means that improper form or excessive load can quickly lead to injury. Always begin with a thorough understanding of your body and its current limitations.

Before starting any new exercise, it's advisable to consult with a healthcare professional or a certified fitness trainer, especially if you have a history of shoulder pain, injury, or any underlying medical conditions. They can help assess your current range of motion and identify any potential issues that might require modifications or prevent certain movements.

When performing plate shoulder mobility exercises, always focus on controlled, deliberate movements. Avoid jerky motions or forcing the range of motion beyond what feels comfortable. The weight of the plate should allow for smooth, fluid execution of each exercise. If you find yourself compensating with other body parts, such as shrugging your shoulders or arching your back, the weight is likely too heavy, or your form needs adjustment. It is always better to use a lighter plate and maintain perfect form than to use a heavier plate with compromised technique.

Pay close attention to your breathing throughout the exercises. Deep, diaphragmatic breathing can help you relax the muscles and improve the quality of your movements. Holding your breath can lead to increased tension and a greater risk of strain. If you experience any sharp pain, pinching, or discomfort during an exercise, stop immediately. This is your body's signal that something is wrong. Do not push through pain; instead, reassess your form, reduce the weight, or discontinue the exercise.

## FAQ

### **Q: What are the benefits of using weight plates for shoulder mobility exercises?**

A: Using weight plates for shoulder mobility exercises provides controlled resistance that helps strengthen stabilizing muscles, improve proprioception, enhance neuromuscular control, and increase the shoulder joint's overall range of motion. This can lead to better performance in sports and daily activities, as well as a reduced risk of injury.

### **Q: What weight plate should I use for shoulder**

## **mobility exercises?**

A: For most shoulder mobility exercises, it is recommended to use light weight plates, typically ranging from 1.25 lbs (0.5 kg) to 5 lbs (2.5 kg). The primary goal is to use a weight that allows for smooth, controlled movements through the full range of motion, not to lift heavy.

### **Q: Are plate shoulder mobility exercises suitable for beginners?**

A: Yes, fundamental plate shoulder mobility exercises like plate halos and forward/backward circles are excellent for beginners. They provide a gentle introduction to controlled movement with external resistance. It's crucial for beginners to start with very light weights and focus on proper form.

### **Q: How often should I perform shoulder mobility exercises with plates?**

A: The frequency depends on your goals. For general shoulder health and injury prevention, performing them 2-3 times per week, either as part of a warm-up/cool-down or in dedicated mobility sessions, is beneficial. If you are rehabbing an injury, consult with a physical therapist for a personalized recommendation.

### **Q: Can plate shoulder mobility exercises help with stiff shoulders?**

A: Absolutely. Regularly performing targeted plate shoulder mobility exercises can help to break down adhesions, increase synovial fluid production within the joint capsule, and promote tissue health, all of which contribute to alleviating stiffness and improving overall shoulder flexibility.

### **Q: What are some common mistakes to avoid when doing plate shoulder mobility exercises?**

A: Common mistakes include using weights that are too heavy, performing jerky or uncontrolled movements, neglecting proper form, shrugging the shoulders excessively, arching the back to compensate, and pushing through pain. Prioritizing slow, deliberate movements and maintaining good posture is key.

### **Q: Can I use Olympic plates for shoulder mobility**

work?

A: Standard, large Olympic plates are generally too cumbersome and heavy for most shoulder mobility exercises. Smaller, lighter plates, often referred to as fractional plates or training plates, are much more suitable as they allow for finer control and a greater range of motion without being unwieldy.

## Q: How do plate shoulder mobility exercises differ from bodyweight exercises for the same purpose?

A: While bodyweight exercises are effective, using a plate adds a gentle, controlled external resistance. This resistance challenges the muscles in a different way, helping to improve stability, proprioception, and strength through a more dynamic range of motion than bodyweight alone might allow for certain movements.

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**shoulder mobility exercises plate: Disorders of the Shoulder** Joseph P. Iannotti, Gerald R. Williams, 2007 Now includes a brand-new companion Website, The Iannotti & Williams Solution! Expanded to two volumes, Disorders of the Shoulder, Second Edition is a comprehensive, current, and authoritative clinical reference for residents, fellows, shoulder specialists, and general orthopaedic surgeons. This edition features greatly expanded coverage of arthroscopic treatment and hundreds of new full-color arthroscopic images. Arthroscopic and open techniques are integrated into all relevant disorder-specific chapters, so that readers can compare open to arthroscopic procedures and select the most effective treatment option. New chapters cover diagnosis of glenohumeral instability; management of bone and soft tissue loss in revision arthroplasty; minimally invasive techniques for proximal humeral fractures; hemiarthroplasty for proximal humeral fractures; and suprascapular and axillary nerve injuries. All clinical chapters include treatment algorithms and the authors' preferred treatment. More than 2,400 illustrations—743 in full color—complement the text. The new companion Website, The Iannotti & Williams Solution, gives you instant access to the fully searchable text, an Image Bank, featured clinical cases, and the Gaining Speed and Tricks of the Trade chapter of Burkhart's View of the Shoulder: A Cowboy's Guide to Advanced Shoulder Arthroscopy.

**shoulder mobility exercises plate: Textbook of Shoulder Surgery** Ian A. Trail, Lennard Funk, Amar Rangan, Matthew Nixon, 2019-02-26 This textbook provides the most up-to-date information on shoulder surgery along with practical approaches for patient evaluation and treatments options. The book is divided into key sections, providing coverage on Soft Tissue Disorders of the Shoulder,

Arthritis of the Shoulder, The Paediatric Shoulder and other miscellaneous topics relevant to treating this area. Its strong clinical focus will help residents and medical students to manage patients in a practical way, based on the most recent scientific evidence and the most effective surgical and non-surgical techniques. Thus, it will become a valuable reference and resource for young doctors and students looking to increase their professional skills and knowledge when treating shoulder injuries and disorders in clinical practice.

**shoulder mobility exercises plate: Shoulder Instability: A Comprehensive Approach** Matthew T. Provencher, Anthony A. Romeo, 2011-12-07 Shoulder Instability, by Drs. Mark Provencher and Anthony Romeo, is the first comprehensive resource that helps you apply emerging research to effectively manage this condition using today's best surgical and non-surgical approaches. Detailed illustrations and surgical and rehabilitation videos clearly demonstrate key techniques like bone loss treatment, non-operative rehabilitation methods, multidirectional instability, and more. You'll also have access to the full contents online at [www.expertconsult.com](http://www.expertconsult.com). Watch surgical and rehabilitation videos online and access the fully searchable text at [www.expertconsult.com](http://www.expertconsult.com). Stay current on hot topics including instability with bone loss treatment, non-operative rehabilitation methods, multidirectional instability, and more. Gain a clear visual understanding of the treatment of shoulder instability from more than 850 images and illustrations. Find information quickly and easily with a consistent format that features pearls and pitfalls, bulleted key points, and color-coded side tabs. Explore shoulder instability further with annotated suggested readings that include level of evidence.

**shoulder mobility exercises plate: Rehabilitation of Musculoskeletal Injuries** Peggy A. Houglum, Kristine L. Boyle-Walker, Daniel E. Houglum, 2022-11-17 Rehabilitation of Musculoskeletal Injuries, Fifth Edition With HKPropel Online Video, presents foundational concepts that support a thorough understanding of therapeutic interventions and rehabilitative techniques. Accompanying video demonstrates challenging or novel rehabilitative techniques.

**shoulder mobility exercises plate: The Athlete's Shoulder** James R. Andrews, Kevin E. Wilk, Michael M. Reinold, 2008-10-30 The latest edition of this in-depth look at athletic injuries of the shoulder has been updated to feature 16 new chapters, additional illustrations and algorithms, an added focus on arthroscopic treatments, and pearls that highlight key information. Additional contributing authors give you a fresh spin on new and old topics from rehabilitation exercises to special coverage of female athletes, pediatrics, and golfers. This book offers coverage of arthroscopy, total joint replacement, instability, football, tennis, swimming, and gymnastic injuries, rotator cuff injuries, and much, much more! The large range of topics covered in this text ensures that it's a great resource for orthopaedists, physical therapists, athletic trainers, and primary care physicians. - Presents a multidisciplinary approach to the care of the shoulder, combining contributions from the leaders in the field of orthopedic surgery, physical therapy, and athletic training. - Demonstrates which exercises your patients should perform in order to decrease their chance of injury or increase strength following an injury through illustrated exercises for rehabilitation and injury prevention. - Illustrates how the shoulder is affected during activity of certain sports with a variety of tables and graphs. - Covers a large range of topics including all shoulder injuries to be sufficiently comprehensive for both orthopaedists and physical therapists/athletic trainers. Features 16 new chapters, including Internal Impingement, Bankarts: Open vs. Arthroscopy, Adhesive Capsulitis of the Shoulder, Cervicogenic Shoulder Pain, Proprioception: Testing and Treatment, and more. - Details current surgical and rehabilitation information for all aspects of shoulder pathology to keep you up-to-date. - Organizes topics into different sections on anatomy, biomechanics, surgery, and rehabilitation for ease of reference.

**shoulder mobility exercises plate: Pilates Method** Debbie Lawrence, 2015-08-27 Fitness Professionals: Pilates Method is the first book to be written for the specific needs of Pilates instructors. Pilates is one of the most popular - and fastest growing - group exercise classes in the UK. For many years it has not been possible to write a definitive book for instructors as there have been many different schools of teaching. However, these have recently been brought together under

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**shoulder mobility exercises plate:** *Campbell's Operative Orthopaedics E-Book* Frederick M. Azar, S. Terry Canale, James H. Beaty, 2016-11-01 Unrivalled in scope and depth, Campbell's Operative Orthopaedics continues to be the most widely used resource in orthopaedic surgery, relied on for years by surgeons across the globe. It provides trusted guidance on when and how to perform every state-of-the-art procedure that's worth using, with updates to the new edition including hundreds of new techniques, illustrations, and digital diagnostic images to keep you abreast of the latest innovations. Each chapter follows a standard template, with highlighted procedural steps that lead with art and are followed by bulleted text. Covers multiple procedures for all body regions. In-depth coverage helps you accommodate the increasing need for high-quality orthopaedic care in our aging population. Achieve optimal outcomes with step-by-step guidance on today's full range of procedures, brought to you by Drs. Canale, Beaty, and Azar, and many other contributors from the world-renowned Campbell Clinic. Expanded online library boasts high-quality videos of key procedures. Includes approximately 100 new techniques, 300 new illustrations, and 500 new or updated photos and high-quality digital diagnostic images. Features evidence-based surgical coverage wherever possible to aid in making informed clinical choices for each patient. Highlights the latest knowledge on total joint arthroplasty in the ambulatory surgery center, including how to manage metal sensitivity. Provides up-to-date details on rib-based distraction implants (VEPTR) and remote-controlled growing rods (MAGEC) for scoliosis; diagnosis of femoroacetabular impingement (FAI) and its influence on development of osteoarthritis; and the treatment of FAI with the mini-open direct anterior approach. Extensive art program is consistent throughout the 4 volumes, providing a fresh, modern look. Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, images, videos, and references from the book on a variety of devices.

**shoulder mobility exercises plate:** *Shoulder Arthritis in the Young and Active Patient, An Issue of Clinics in Sports Medicine* Stephen Brockmeier, Brian C Werner, 2018-09-10 This issue of Clinics in Sports Medicine, guest edited by Dr. Stephen Brockmeier and Brian Werner, will discuss key topics related to Shoulder Arthritis in the Young and Active Patient. Articles include: Etiology of Shoulder Arthritis in the Young Patient, Non-Arthroplasty Options, Shoulder Hemiarthroplasty, Biologic Options for Glenohumeral Osteoarthritis, Total Shoulder Arthroplasty in the Athlete and Active Individual, Minimally Invasive and Subscapularis Sparing Techniques for Shoulder Arthroplasty, Rehab Strategies after Shoulder Arthroplasty, Return to Play after Shoulder Replacement Surgery, Outcomes After Shoulder Replacement Surgery in the Young Patient, and Future Frontiers in Shoulder Arthroplasty and the Management of Shoulder Osteoarthritis.

**shoulder mobility exercises plate:** **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.

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**shoulder mobility exercises plate:** *The Shoulder* Gazi Huri, Nikolaos K. Paschos, 2017-10-10 This book provides a broad overview of operative and non-operative treatments of various conditions affecting the shoulder. It is presented in an easy to use format with each chapter including multiple choice questions to assist the reader in preparing for boards to improve shoulder knowledge and increase success in exams. The Shoulder clearly describes the basic science, anatomy, biomechanical features and principals of physical examination while utilising an algorithmic approach to shoulder disorders. The contributors are an international team of shoulder experts who understand what is important to know at every level. The result is a book of value to those new to shoulder challenges and also experienced surgeons who wish to have a quick and handy guide to

current concepts and knowledge of shoulder conditions and treatment.

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