

Education Series

SHOULDER PAIN IN GOLF

Causes and Cures

Understanding how to manage and prevent golf related shoulder pain

www.fitforegolf.com

FITforeGOLF

SHOULDER PAIN IN GOLF

About this Booklet

The purpose of this brochure is to educate golfers on how to avoid golf-related shoulder injuries. The brochure is divided into 2 parts. The first explains the main injuries that can occur to the shoulder and how the golf swing creates stress on these structures. This is followed by a special "What can I do?" section that includes technique advice as well as important exercises for improving the strength and flexibility of the shoulder muscles and joints.

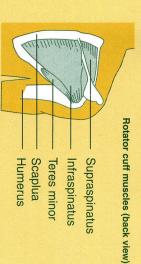
ROTATOR CUFF SHOULDER INJURY

There are many golf injuries that affect the shoulder. These include overuse problems (tendinitis / bursitis), traumatic injuries (rupture) and wear and tear conditions (arthritis).

The most common shoulder problem in golf is injury to the rotator cuff muscles. These muscles help rotate the shoulder joint plus provide extra reinforcement for the normally loose shoulder ligaments. Research has shown that the rotator cuff muscles are the critical shoulder muscles for correct execution of the golf swing.

Anatomy of the Rotator Cuff muscles

There are four rotator cuff muscles in each shoulder: the supraspinatus, infraspinatus, teres minor and subscapularis. They all start from separate parts of the shoulder blade, pass under the large deltoid muscle, and attach as one broad tendon (hence the name cuff) around the very top of the upper arm (humerus).



How does Rotator Cuff injury occur?

Rotator cuff injury is very common even amongst nongolfers. When this injury does occur from golf, it usually affects the lead shoulder (left shoulder in a right-handed player). This is usually due to the extra stress placed on the lead side during impact with the ball and/or ground. The pain often develops gradually during the round or practice session.

OTHER SHOULDER PROBLEMS

Rotator Cuff Rupture

Occasionally a complete rupture of part of the rotator cuff intense or prolonged.

HELP THE SHOULDER HEAL

are particularly susceptible due to age-related wear and tear or tearing sensation is felt inside the shoulder. Senior golfers impact (e.g. taking a deep divot). Sometimes a small "pop" incident involving a rapid deceleration of the club during can occur. The rupture is usually caused by a traumatic

Typical symptoms of a rotator cuff tear are constant pain and reduced blood supply to the rotator cuff tendons. An injection of cortisone (which is an anti-inflammatory Anti-inflammatory medication and physical therapy drug) is often helpful in controlling chronic shoulder pain. treatment may help speed the healing process.

ultrasound or an arthrogram is often required to confirm the as a MRI (magnetic resonance imaging), diagnostic correct diagnosis of rotator cuff rupture. A special test such bursitis before the chronic nature of symptoms leads to the are often diagnosed as having rotator cuff tendonitis ,

When returning to the course, use preferred lies for the first

Golf Game booklet).

few rounds to make it easier to contact the ball without

Warm up properly before hitting balls (see STRETCH Your

Start back at golf gradually. Don't hit balls until you can

swing a club in the backyard for several minutes without

Give yourself several days off between rounds

Continue to stretch your shoulder muscles during each

round and practice session (see attached exercises)

taking a large divot

rotate it out away from the body. Golfers suffering this injury and considerable weakness when trying to lift the arm or

your shoulder pair The following pages show you what you can do to relieve allow the golfer to swing without pain. diagnosis. Surgery is usually necessary to repair the tear and Senior golfers are at risk of rupturing their

rotator cuff tendon. Surgery may be required

to repair the rupture.

Avoid movements that make you grimace (this may require Consult your physician or physical therapist if the pain is Ice the shoulder regularly and for 15 minutes at a time. ALWAYS use a moist towel between your skin and the ice. you to temporarily stop playing golf).

Keep your trail elbow more "tucked in" towards the trunk

lesson from a PGA teaching professional may be necessary

Since poor technique can cause shoulder problems, a

ADJUST YOUR TECHNIQUE

Keep your hands below the top of your head on your

on your back-swing.

follow-through. The shaft of the club should finish more

horizontally across the back of the neck rather than

 Don't swing as hard (i.e. use an extra club to hit your vertically down your back

 In addition to the following exercises, make sure your back STOP if these exercises cause pain Exercise tubing may be purchased from your local Always check with your physician or physical therapist and trunk muscles are strong and flexible (see POWER UP FITforeGOLFTM facility. normal yardage). Your Golf Game booklet) before starting any new exercise program Contact a licensed FITforeGOLF™ facility if you have STRETCH & STRENGTHEN YOUR SHOULDER MUSCLES

Make sure you warm up all your golf muscles before hitting balls

questions about any golf injury. www.tittoregolf.com



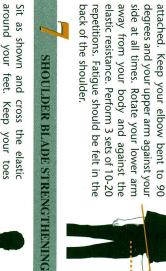
ROTATIOR CUFF STRETCH

shoulder. Hold for 10 seconds. shoulder on your good shoulder. across the back of your injured shoulder. You should feel a stretch shoulder towards your good Place the hand of your injured Gently pull the elbow of the sore

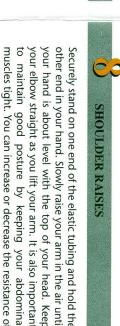


HAND BEHIND BACK STRETCH









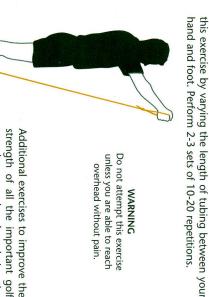
exercise tubing (available at most

physical therapy clinics), at elbow height.

Securely attach one end of the elastic

EXTERNAL ROTATION STRENGTHENING

other end in your hand. Slowly raise your arm in the air until hand and foot. Perform 2-3 sets of 10-20 repetitions. this exercise by varying the length of tubing between you muscles tight. You can increase or decrease the resistance of your elbow straight as you lift your arm. It is also important to maintain good posture by keeping your abdomina your hand is about level with the top of your head. Keep



overhead without pain.

WARNING

strength of all the important golf

FITforeGOLF™ Affiliate for details) booklet (ask your loca STRENGTHEN Your Golf Game muscles can be found in the

sets of 20 repetitions.

relaxed as you do this. Perform 2-3 together. Keep your neck muscles

squeezing your shoulder blades were rowing. CONCENTRATE on

both elbows back as though you elbows about shoulder height, pull possibly hitting you. With your the elastic from slipping off and

Who is most at-risk?

susceptible. group although male senior players appear to be especially Rotator cuff injuries can occur in male and female players of any age

What symptoms will I have?

Typical symptoms of rotator cuff injury include;

- Vague non-specific shoulder ache which can turn into sharp radiates about halfway down the arm. pain as the arm is elevated over-head. The pain often
- (opening a heavy door, reaching for the seat-belt) Pain and weakness with twisting motions of the upper arm
- Difficulty sleeping on the affected side.
- Pain and apprehension when swinging hard or taking divots

What about my technique?

susceptible to rotator cuff problems swing (trail shoulder) or follow-through (lead shoulder), are also Golfers who allow their elbows to "fly", meaning there is excessive separation between the trunk and the elbow on either the back



Elevated trail shoulder

Normal trail shoulder

the follow-through, are also at risk Golfers who finish with their hands very high (i.e. above their head) on



Normal finish

Excessive shoulder elevation at finish

trunk and hip muscles, is a common technique flaw causing rotator small shoulder and arm muscles instead of the large and powerful Over-swinging, where the player tries to "muscle" the ball using the

examples include poor trunk rotation or wrist release resulting in the muscles in order to improve club-head speed need to compensate or over-use the chest, scapula and shoulder Rotator cuff injury can also occur from over-compensation. Typical

Your local affiliate is:

designed to help keep you injury free and add years FITforeGOLF™ delivers a multifaceted program to your game. The better the body the better the performance!

See your FITforeGOLF™ affiliate for other Educational Series booklets.

FITforeGOLFTM

is the registered trade mark of FITforeGOLF™ Inc. with licensed affiliates throughout North America www.fitforegolf.com