OVERHEAD SQUAT TEST

THE COMPLETE GUIDE

mybodystructure.com

The overhead squat test is one of the most commonly used assessments to determine a person's degree of mobility and overall muscle control. It's one of the main tools used in the Functional Movement Screen, designed by physical therapist and strength coach Gray Cook, and is used as a way to determine muscular imbalances, lack of mobility, degree of flexibility and joint dysfunction. This test is applicable to anyone from world class athletes to recreational exercisers.

MOVEMENT: OVERHEAD SQUAT

This movement involves a triple flexion including the ankles, knees and hips. In addition, the arms are stretched overhead and held there during the flexion movement(full squat). This part of the movement informs us about the stability of the spine and pelvis. We also will observe the mobility of the upper back and shoulders.

straight, holding either a very light barbell, a dowel rod or a rolled up towel. Squat down in a controlled fashion, as low as you can go, then return to the starting position. Perform three repetitions per view point(front and side).

Stand with your feet shoulder-width apart, and your arms raised above your head completely

FRONT VIEW



movement. Notice the small variance in the right foot placement. FRONT VIEW

SIDE VIEW



SIDE VIEW



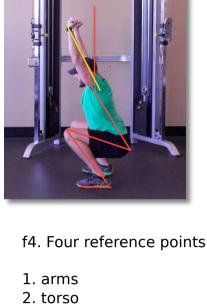
Red line indicates a good position. Knees should be positioned over the heels.

Notice the small

outward rotation of the right foot.

2. feet

COMMON COMPENSATIONS



Notice the low hip position

mostly likely due to tight

pectoral muscles.

and similar angle of the shins and back. The

3. hips 4. heels

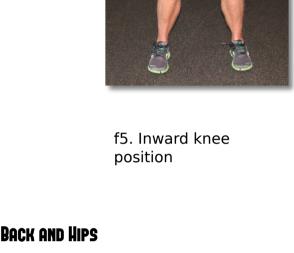
placement of the arms can be slightly more vertical,

unstable, this indicates that you have tightness in your calves. This is also the case if your heels rise off the floor. Knees buckling is a sign of weak glute muscles and tight adductor muscles on

The two most common lower body imbalances seen during the test are pronation of the feet, rolling of the ankles and buckling of the knees. If your feet roll inwards, and your ankles are

FRONT VIEW

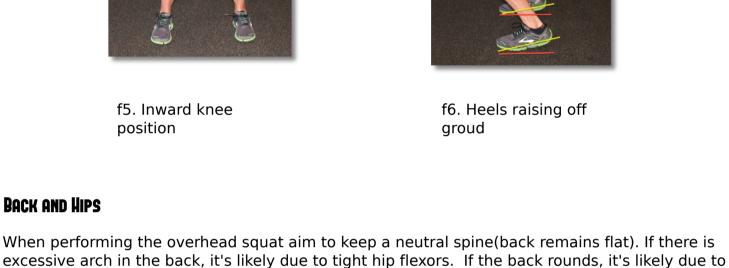
the inside of your thighs.



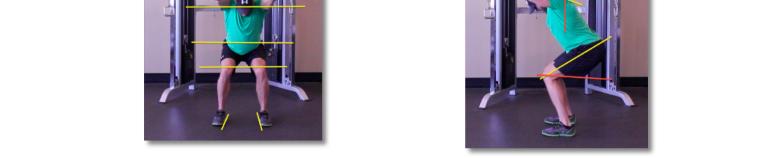
or the other. This will highlight any imbalances between the two sides of the body.

FRONT VIEW

SIDE VIEW



SIDE VIEW



The vast majority of people who perform the overhead squat assessment find that their arms fall forward to some degree. This is caused by excessive tightness in the chest and shoulders and weakness through the upper back, which has direct correlation to the time we spend sitting

Fix these muscle imbalances by actively stretching the over active tight muscles and

the core muscles being weak. When assessing the hips, look for any weight shifting to one side

and working in front of a computer. **FIXING THE TROUBLE AREAS**

strengthening the weaker under active muscles.

rows, face pulls and Y raises.

f7. Foward lean of the

uper body. Notice the arms, chest and head

drop.

mobility.

f8. Notice the forward movement of the

arms and lack of hip

Example; arms drop forward. Probably due to tight pectoral muscles and a weaker upper back. Stretch the chest as often as possible while reducing the volume of heavy chest exercises. For the back focus on rhomboids and lats, and perform strength building exercises including cable

Step 2:

STRETCHES Here are a few stretches to fix the most common muscle imbalances. Hold each stretch for

ARMS

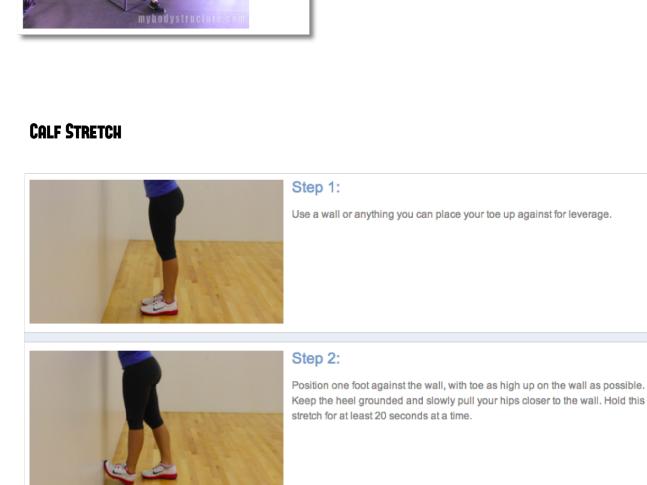
PIRIFORMIS (HIP) STRETCH **QUAD/HIP STRETCH** Step 1: Step 1:

about 20-30 seconds. Foam rolling is also a very effective way to treat over and under active

muscles. Access your MBS account for a more complete list of stretches and exercises.

Step 2:

Step 3:



CHEST STRETCH

full length.

Step 1:

Place your hand on a wall with arm perpendicular to the body. Arm should be at



Step 2:

30 seconds, repeat.

Twist your upper torso until you feel tension in the chest. Hold this stretch for 20-

knowledge, guidance & hardwork