

Hip Conditioning Program

Purpose of Program

After an injury or surgery, an exercise conditioning program will help you return to daily activities and enjoy a more active, healthy lifestyle. Following a well-structured conditioning program will also help you return to sports and other recreational activities.

This is a general conditioning program that provides a wide range of exercises. To ensure that the program is safe and effective for you, it should be performed under your doctor's supervision. Talk to your doctor or physical therapist about which exercises will best help you meet your rehabilitation goals.

Strength: Strengthening the muscles that support your hip will help keep your hip joint stable. Keeping these muscles strong can relieve pain and prevent further injury.

Flexibility: Stretching the muscles that you strengthen is important for restoring range of motion and preventing injury. Gently stretching after strengthening exercises can help reduce muscle soreness and keep your muscles long and flexible.

Target Muscles: The muscle groups targeted in this conditioning program include:

- Gluteus maximus (buttocks)
- Gluteus medius (buttocks)
- Hamstrings (back of thigh)
- Piriformis (buttocks)
- Adductors (inner thigh)
- Abductors (outer thigh)
- Tensor Fascia (outer thigh)

Length of program: This hip conditioning program should be continued for 4 to 6 weeks, unless otherwise specified by your doctor or physical therapist. After your recovery, these exercises can be continued as a maintenance program for lifelong protection and health of your hips and thighs. Performing the exercises two to three days a week will maintain strength and range of motion in your hips and thighs.

Getting Started

Warm up: Before doing the following exercises, warm up with 5 to 10 minutes of low impact activity, like walking or riding a stationary bicycle.

Stretch: After the warm-up, do the stretching exercises shown on Page 1 before moving on to the strengthening exercises. When you have completed the strengthening exercises, repeat the stretching exercises to end the program.

Do not ignore pain: You should not feel pain during an exercise. Talk to your doctor or physical therapist if you have any pain while exercising.

Ask questions: If you are not sure how to do an exercise, or how often to do it, contact your doctor or physical therapist.

Additional Notes

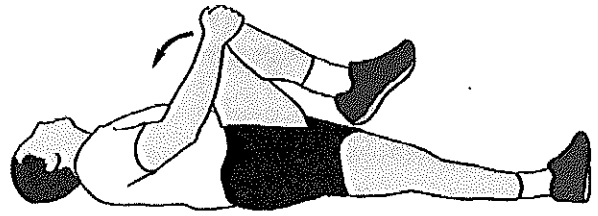
Hip Conditioning Program STRETCHING EXERCISES

3. Knee to Chest

Repetitions
2 sets of 4
Days per week
Daily

Main muscles worked: Gluteus maximus, gluteus medius
You should feel this stretch in your buttocks

Equipment needed: None



Step-by-step directions

- Lie on your back on the floor with your legs extended straight out.
- Bend one knee and grasp your shinbone with your hands.
- Gently pull your knee toward your chest as far as it will go.
- Hold the stretch for 30 seconds and then relax for 30 seconds.
- Repeat on the other side, then pull both legs in together. Repeat the entire sequence 4 times.

Tip Keep your lower back pressed into the floor.

4. Supine Hamstring Stretch

Repetitions
2 sets of 4
Days per week
Daily

Main muscles worked: Hamstrings
You should feel this stretch at the back of your thigh and behind your knee

Equipment needed: None



Step-by-step directions

- Lie on the floor with both knees bent.
- Lift one leg off of the floor and bring the knee toward your chest. Clasp your hands behind your thigh below your knee.
- Straighten your leg and then pull it gently toward your head until you feel a stretch. (If you have difficulty clasping your hands behind your leg, loop a towel around your thigh. Grasp the ends of the towel and pull your leg toward you.)
- Hold for 30 to 60 seconds and then relax for 30 seconds.
- Repeat on the other side, then repeat the entire sequence 4 times.

Tip Do not pull at your knee joint.

AAOS does not endorse any treatments, procedures, products, or physicians referenced herein. This information is provided as an educational service and is not intended to serve as medical advice. Anyone seeking specific orthopaedic advice or assistance should consult his or her orthopaedic surgeon.

Hip Conditioning Program STRENGTHENING EXERCISES

7. Hip Extension (Prone)

Repetitions
8

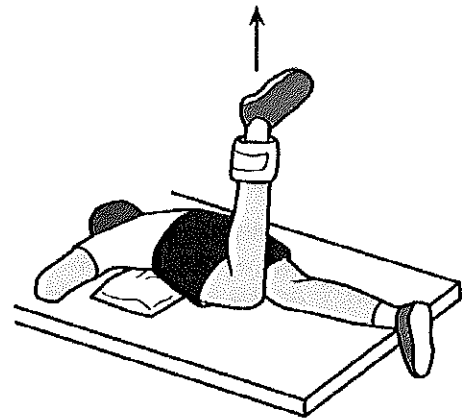
Main muscles worked: Gluteus maximus
You should feel this exercise in your buttocks

Days per week
2 to 3

Equipment needed: Begin with a weight that allows 8 repetitions and progress to 12 repetitions. As the exercise becomes easier, add weight in 1-pound increments. Each time you increase the weight, start again at 8 repetitions, working back up to 12.

Step-by-step directions

- Lie on your stomach on a firm, flat surface with a pillow under your hips.
- Bend one knee 90°.
- Lift your leg straight up as shown.
- Slowly lower your leg down to the floor, counting to 5.
- Repeat, then complete exercise on the other side.



Tip Keep your head, neck, and upper body relaxed during this exercise.

8. Internal Hip Rotation

Repetitions
8

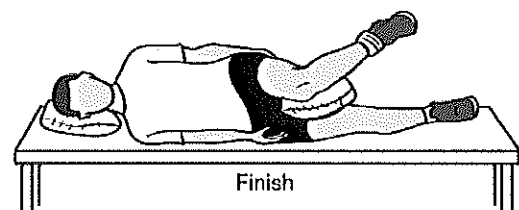
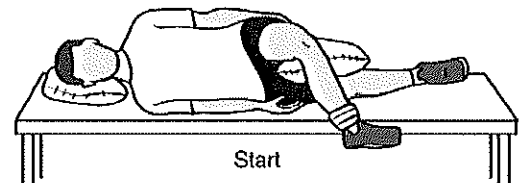
Main muscles worked: Medial hamstrings
You should feel this exercise at the back of your thigh

Days per week
2 to 3

Equipment needed: Begin with a weight that allows 8 repetitions and progress to 12 repetitions. As the exercise becomes easier, add weight in 1-pound increments. Each time you increase the weight, start again at 8 repetitions, working back up to 12.

Step-by-step directions

- Lie on your side on a table or physical therapy bench with a pillow between your thighs. Place your lower arm in front of your body and use a pillow under your head for comfort, if needed.
- Bring your top leg forward and lower your foot so that it is below the tabletop, as shown in the "start" position. Your bottom leg can be slightly bent for balance.
- Rotate your hip and lift your foot as high as possible, as shown in the "finish" position.
- Slowly lower your leg back to the "start" position, counting to 5.
- Repeat, then complete exercise on the other side.



Tip Stay centered on your side and do not lean your body forward or backward.