



Lower Extremity Strengthening Home Exercise Program Closed Chain, Standing

Quadricep Set (quadriceps are the front thigh muscles):

Standing

- 1. Heel strike leg forward, ankle bent, heel contact, tighten quad
- 2. Midstance with slight bend in knee and foot flat on the floor, tighten quad
- 3. Heel off leg behind, heel off floor, toes in contact with floor, tighten quad Hold seconds. Repeat _____ times.





Wall Squat 2.

With feet shoulder-width apart, knees aligned over ankles and back				
to wall, tighten buttocks and quads, attempting to tighten VMO				
first, then slide down wall until knees are bent to degrees.				
Hold seconds. Repeat times.				
Progress to bending knees to degrees.				
Variation: Squeeze ball or towel roll between knees,				
then perform wall sit.				



Single Leg

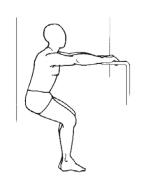
Standing on	involved leg with b	back to wall, slide do	wn wall until
knee is at _	degrees, keepi	ng the knee over the	ankle.
Hold	seconds. Repeat	times.	
Progress to	bending knee to	degrees.	

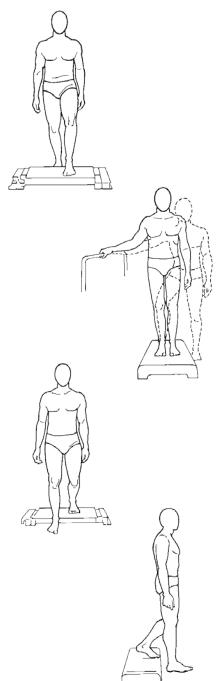


Continued

4. Double Leg Squat

Stand with feet shoulder-width apart, using hand support as necessary. Align knees over ankles, tighten buttocks, tighten quads, attempting to tighten VMO first. Bend knees to approx. degrees. Do not allow knees to go forward past toes. Keep your back straight, bending forward at the hips. Hold for 5 to 10 seconds. Return to standing. Repeat times. *Variation:* Squeeze ball or towel roll between knees, then perform squat. Progress to single leg when ready as above. 5. Forward Step-up Holding on to rail, place foot onto step. Slowly step up onto the step, keeping the knee over the ankle, tightening the buttocks and quads. Lower yourself slowly off the step the same way, beginning with a _____ inch step. Repeat _____ reps ____ sets ____ times/day. 6. Side Step-up Holding onto rail, step up slowly sideways with one foot and then the other, tightening buttocks and quads. Step off other side in the same way. Begin with a inch step. Repeat _____ reps ____ sets ____ times/day. 7. **Retro Step-up** Step backward with one foot, tightening buttocks and quads, then step with opposite foot. Step off forward in the same way. Begin with a inch step. Repeat _____ reps ____ sets ____ times/day. Step Over / Step Down Start with involved leg on step (hand support as needed), step over/down with uninvolved leg, touching heel to ground. Do not transfer your weight to the downward foot. Return to start. Begin with a _____ inch step. Repeat reps, sets, times/day.





X11125 (Rev. 09/11) ©AAHC Lower Continued

9. **Gluteus Medius Strength: Wall Push**

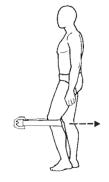
Bend uninvolved knee up and press against wall, keeping pelvis and lower back neutral. Bend involved knee slightly and squeeze buttocks. Repeat ____reps, ___sets.



10. Terminal Knee Extension with Tubing

With tubing behind/above/below involved knee, bend knee to 30 degrees, keeping the heel in contact with the floor. Tighten thigh muscles to straighten knee. Repeat _____ reps ____ sets.

Progress to single leg stance.



11. Lunge

From standing position (hand support as needed), keep the forward knee over the ankle while allowing the "back" knee to bend, lunge forward. Return. Alternate legs.

Repeat ____times.



12. Toe Raises

Stand with both feet on the floor and knees slightly bent. Raise up on both toes, then slowly lower to feet flat position. Repeat _____ reps ____ sets ____ times/day.

Progress to one foot.



13. Tubing Walking

Wrap a piece of elastic tubing around your ankles.

Stand with your chest out, hips back and down, and knees bent.

Sidestep keeping this posture.

Keep some tension on the tubing when bringing your feet together.

Keep your feet straight ahead.

Perform _____ steps in each direction for sets.

Perform times daily.

