



Sever's Disease

Home Exercise Program

Treatment

The best treatment for Sever's Disease is to decrease overall activity level to reduce irritation at the heel bone.



Relative rest - If patient is limping when running or walking, patient should rest from sports until they are no longer limping.

Heel cup - A heel cup can be used to ease the discomfort while walking which can be purchased at most sporting goods stores, online and at most pharmacies.



Icing - The heel several times a day to reduce swelling and pain after activities.

Stretching - A program for stretching the calf muscles (gastrocnemius and soleus).

A walking cast - May be used for approximately 3-4 weeks in severe cases and when stretching, icing and heel cups don't help.

- Towel Stretch** - Sit on a hard surface with your injured leg stretched out in front of you. Loop a towel around the ball of your foot, and pull the towel toward your body. Be sure to keep your knee straight. Hold this position for thirty seconds and repeat three times.





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2. **Standing Calf Stretch** - Facing a wall, put your hands against the wall at about eye level. Keep the uninjured leg forward and your injured leg back about 12-18 inches behind your uninjured leg. Keep your injured leg straight and your heel on the floor and keep your toes pointed towards the wall. Next, do a slight lunge by bending the knee of the forward leg. Lean into the wall until you feel a stretch in your calf muscle. Hold this position for 30-60 seconds, and repeat 3 times.



3. **Half Kneeling Ankle Mobility** - Start by placing the knee of the uninvolved leg down on the floor and the involved leg out in front of your body so you are in a 90 degree lunge. Your knee should be stacked on top of your ankle. Keeping your foot/heel flat on the floor, slowly shift your hips forward so that your knee moves over your toes deepening your lunge. Hold for 5-10 seconds. Press your hips back to starting position. Repeat for 3 sets of 10 repetitions. Try to press your knee further out over your toes with each repetition.



4. **Hamstring Stretch** - Lie on your back and bring affected leg towards your chest. Grab the back of your thigh and try to extend your leg. Hold this position for 30 to 60 seconds, feeling a stretch in the back of your thigh. Repeat three times. You may also try this with a towel around your foot if it is more comfortable.





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5. **Resisted Dorsiflexion** - Sitting with your leg out straight and your foot near a door, wrap the tubing around the ball of your foot. Anchor the other end of the tubing to the door by tying a knot in the tubing, slipping it between the door and the frame, and closing the door, or have a friend of family member hold the band for you. Pull your toes toward your face. Return slowly to the starting position. Repeat 10 times, and do 3 sets of 10.



6. **Resisted Plantar Flexion** - Sitting with your leg outstretched, loop the middle section of the tubing around the ball of your foot. Hold the ends of the tubing in both hands. Gently press the ball of your foot down, and point your toes, stretching the THERA-BAND. Return to the starting position. Repeat 10 times, and do 3 sets of 10.



7. **Resisted Inversion** - Sit with your legs straight out and cross your uninjured leg over your injured ankle. Wrap the tubing around the ball of your injured foot and then loop it around your uninjured foot so that the THERA-BAND is anchored at one end. Hold the other end of the THERA-BAND in your hand. Turn your injured foot inward and upward. This will stretch the tubing. Return to the starting position. Repeat 10 times, and do 3 sets of 10.





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8. **Resisted Eversion** - Sitting with both legs out stretched and the tubing looped around both feet, slowly turn your injured foot upward and outward. Hold this position for 5 seconds. Repeat 10 times, and do 3 sets of 10.



9. **Towel Pick Up** - While sitting in a chair with your heel on the ground, pick up a towel with your toes. Release. Repeat 10 to 20 times. When this gets easy, add more resistance by placing a book or small weight on the towel.



10. **Seated Arch Squeeze** - Place a chair next to your non-injured leg and stand upright, (the chair will provide you with balance if needed). Stand on your injured foot. Try to raise the arch of your foot while keeping your toes on the floor. Try to maintain this position and balance on your injured side for 30 seconds. This exercise can be made more difficult by doing it on a piece of foam or a pillow, or with your eyes closed.

