Foot and Ankle rehabilitation

Dr Ratnav Ratan

1. Heel Cord Stretch

Repetitions	Main muscles worked: Gastrocnemius-soleus complex You should feel this stretch in your calf and into your heel
2 sets of 10	
	Equipment needed: None
Days per week	
6 to 7	
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Step-by-step directions

- Stand facing a wall with your unaffected leg forward with a slight bend at the knee. Your affected leg is straight and behind you, with the heel flat and the toes pointed in slightly.
- Keep both heels flat on the floor and press your hips forward toward the wall.
- Hold this stretch for 30 seconds and then relax for 30 seconds. Repeat.

Tip Do not arch your back.

2. Heel Cord Stretch with Bent Knee _____

Repetitions	Main muscles worked: Soleus You should feel this stretch in your calf, the sides of your ankle, and into your heel	
2 sets of 10		
	Equipment needed: None	
Days per week		
6 to 7		

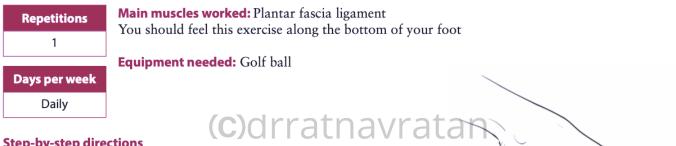
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Step-by-step directions

- Stand facing a wall with your unaffected leg forward with a slight bend at the knee. Your affected leg is behind you, with the knee bent and the toes pointed in slightly.
- Keep both heels flat on the floor and press your hips forward toward the wall.
- Hold the stretch for 30 seconds and then relax for 30 seconds. Repeat.

Tip Keep your hips centered over both feet.

3. Golf Ball Roll



Step-by-step directions

- Sit on a stable chair with both feet planted on the floor.
- Roll a golf ball under the arch of your affected foot for 2 minutes.
 - Tip Sit up tall and keep your foot toward your chair.

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4. Towel Stretch

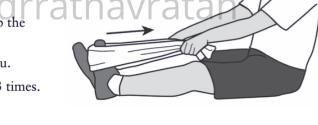
Days per week 6 to 7

RepetitionsMain muscles worked: Gastrocnemius-soleus complex2 sets of 10You should feel this stretch in your calf and into your heel

Equipment needed: Hand towel

Step-by-step directions

- Sit on the floor with both legs out in front of you.
- Loop a towel around the ball of your affected foot and grasp the ends of the towel in your hands.
- Keep your affected leg straight and pull the towel toward you.
- Hold for 30 seconds and then relax for 30 seconds. Repeat 3 times.



TipSit up tall and keep your legs straight.

5. Calf Raises

Repetitions	Main muscles worked: Gastrocnemius-soleus complex You should feel this exercise in your calf
2 sets of 10	
	Equipment needed: Chair for support
Days per week	
6 to 7	
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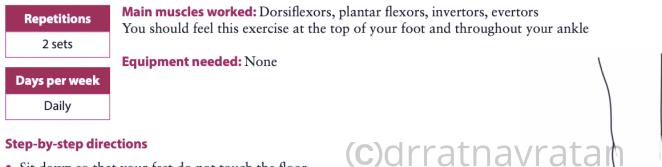
Step-by-step directions

- Stand with your weight evenly distributed over both feet. Hold onto the back of a chair or a wall for balance.
- Lift your unaffected foot off of the floor so that all of your weight is placed on your affected foot.
- Raise the heel of your affected foot as high as you can, then lower.
- Repeat 10 times.

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Tip Do not bend the knee of your working leg.

6. Ankle Range of Motion _



- Sit down so that your feet do not touch the floor.
- Use your foot to write each letter of the alphabet in the air. Lead with your big toe.

Tip Keep the movements small, using just your foot and ankle.



7. Marble Pickup

Repetitions	Main muscles worked: Plantar flexors You should feel this exercise at the top of your foot and toes		
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	Equipment needed: 20 marbles		
Days per week			
Daily			
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Step-by-step directions			
• Sit with both feet flat and place 20 marbles on the floor in front of you.			

- Use your toes to pick up one marble at a time and place into a bowl.
- Repeat until you have picked up all the marbles.

Tip Do not place the marbles too far out in front or to the side.

8. Towel Curls

Repetitions	Main muscles worked: Plantar flexors You should feel this exercise at the top of your foot and your toes
5	
	Equipment needed: Hand towel
Days per week	
Daily	
Step-by-step dire	ctions (C)drratnavratar

Step-by-step directions

- Sit with both feet flat and place a small towel on the floor in front of you.
- Grab the center of the towel with your toes and curl the towel toward you.
- Relax and repeat.

Tip You can make this exercise more challenging by placing a weight on the edge of the towel.

9. Ankle Dorsiflexion/Plantar Flexion_



Main muscles worked: Anterior tibialis, gastrocnemius-soleus complex You should feel this exercise at your calf, shin, the back of your heel, and the top of your foot

Equipment needed: Use an elastic stretch band of comfortable resistance

Step-by-step directions

- Sit on the floor with your legs straight out in front of you.
- For dorsiflexion, anchor the elastic band on a chair or table leg, then wrap it around your foot.
- Pull your toes toward you and slowly return to the start position. Repeat 10 times.
- For plantar flexion, wrap the elastic band around your foot and hold the ends in your hand.
- Gently point your toes and slowly return to the start position. Repeat 10 times.







Keep your leg straight and heel on the floor for support. Tip