

Exercises for Patellofemoral Pain Syndrome

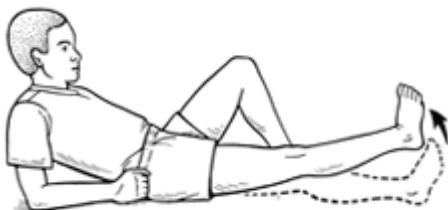
Exercises to help with knee pain provided by Sydney Sports Medicine Centre (SSMC) Link is as follows: <https://www.ssmc.com.au/for-patients/patellofemoral-pain-exercises.html>

SSMC advises after you do all the exercises as shown in the drawings, reverse your position and do the exercises with your other leg, so both knees get the benefit of stretching.

1. Quadriceps strengthening: isometrics. Position yourself as shown. Hold your right leg straight for 10 to 20 seconds and then relax. Do the exercise 5 to 10 times.



2. Quadriceps strengthening: straight leg lift. Position yourself as shown. Raise your right leg several inches and hold it up for 5 to 10 seconds. Then lower your leg to the floor slowly over a few seconds. Do the exercise 5 to 10 times.



3. Iliotibial band and buttock stretch (right side shown). Position yourself as shown. Twist your trunk to the right and use your left arm to "push" your right leg. You should feel the stretch in your right buttock and the outer part of your right thigh. Hold the stretch for 10 to 20 seconds. Do the exercise 5 to 10 times.



4. Iliotibial band stretch (left side shown). Position yourself as shown, with your right leg crossed in front of your left leg. Hold your hands together and move them toward the floor. You should feel a stretch in the outer part of your left thigh. Hold the stretch for 10 to 20 seconds. Do the exercise 5 to 10 times.



5. Hamstring stretch. Position yourself as shown in the bottom drawing. Bend your left knee. Grip your thigh with your hands to keep the thigh steady. Straighten your left leg in the air until you feel a stretch. Hold the stretch for 5 to 10 seconds. Do the exercise 5 to 10 times.



6. Hip adductor strengthening. While sitting, squeeze a rubber ball between your knees. Hold the squeeze for 5 to 10 seconds. Do the exercise 5 to 10 times. (If you don't have a ball, put your hands or fists between your knees and then squeeze.)



7. Hip abductor strengthening (left side shown, front and side views). Position yourself as shown, standing on your left leg with the knee slightly bent. Slowly raise your right foot about 30 degrees, hold for a few seconds and then slowly lower the foot and straighten both legs. Do the exercise 10 times. Don't let your pelvis tilt (be crooked), and don't let your knees turn inward during bending.



8. Hip and buttock stretch (left side shown). Position yourself as shown, with your left leg over your right leg, and place your hands over your left knee. Pull the knee slightly toward you while sitting up very straight. Hold the position for 20 seconds and then rest for several seconds. Do the exercise 6 times.



9. Calf stretch. Position yourself against a wall as shown. Keep your left heel on the ground to feel the back leg stretch. Hold for 10 to 20 seconds. Do the exercise 6 to 10 times.

