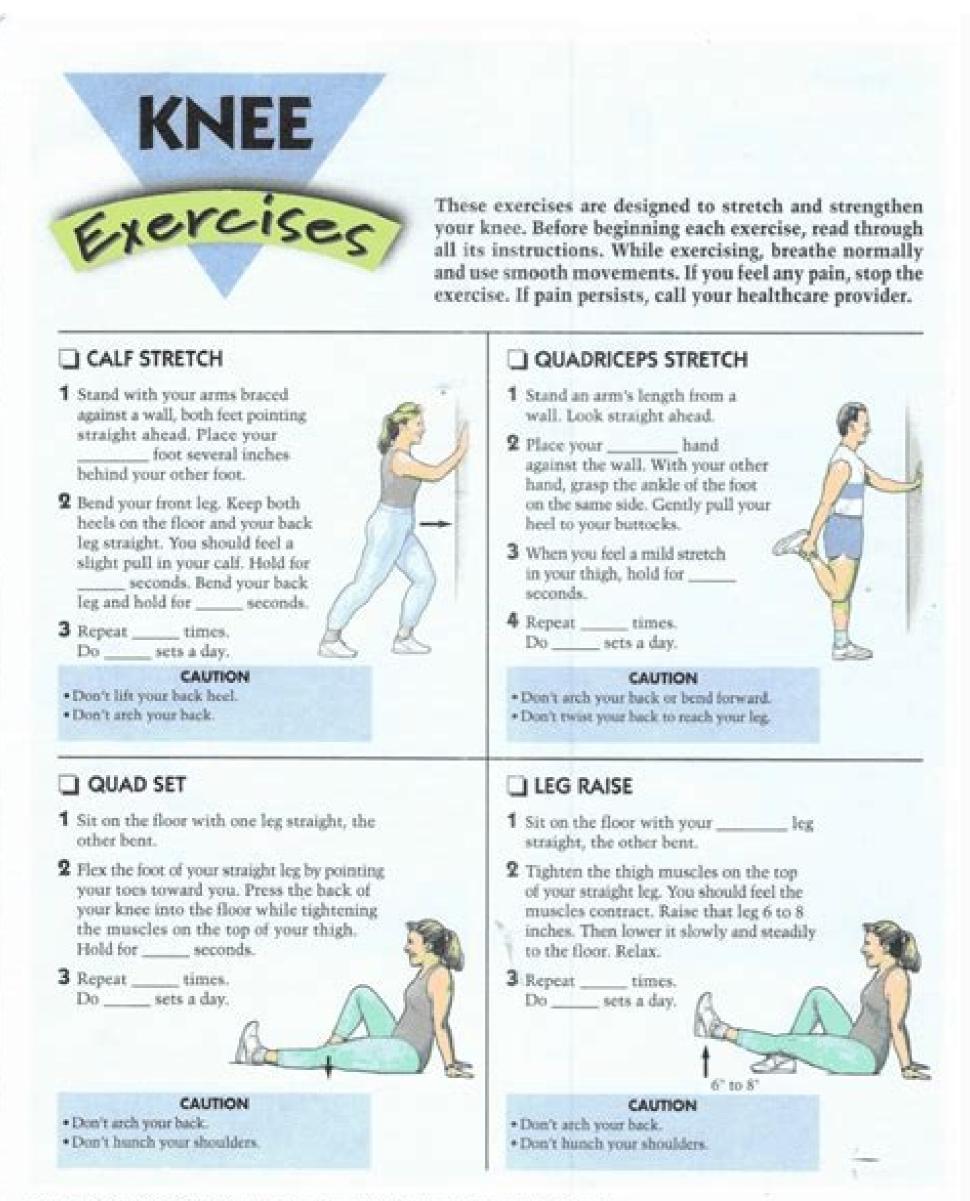
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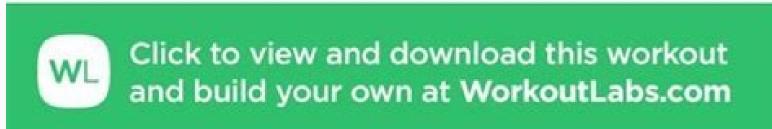
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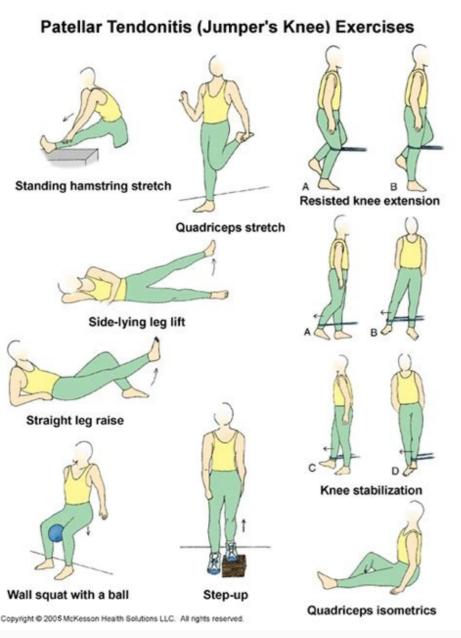
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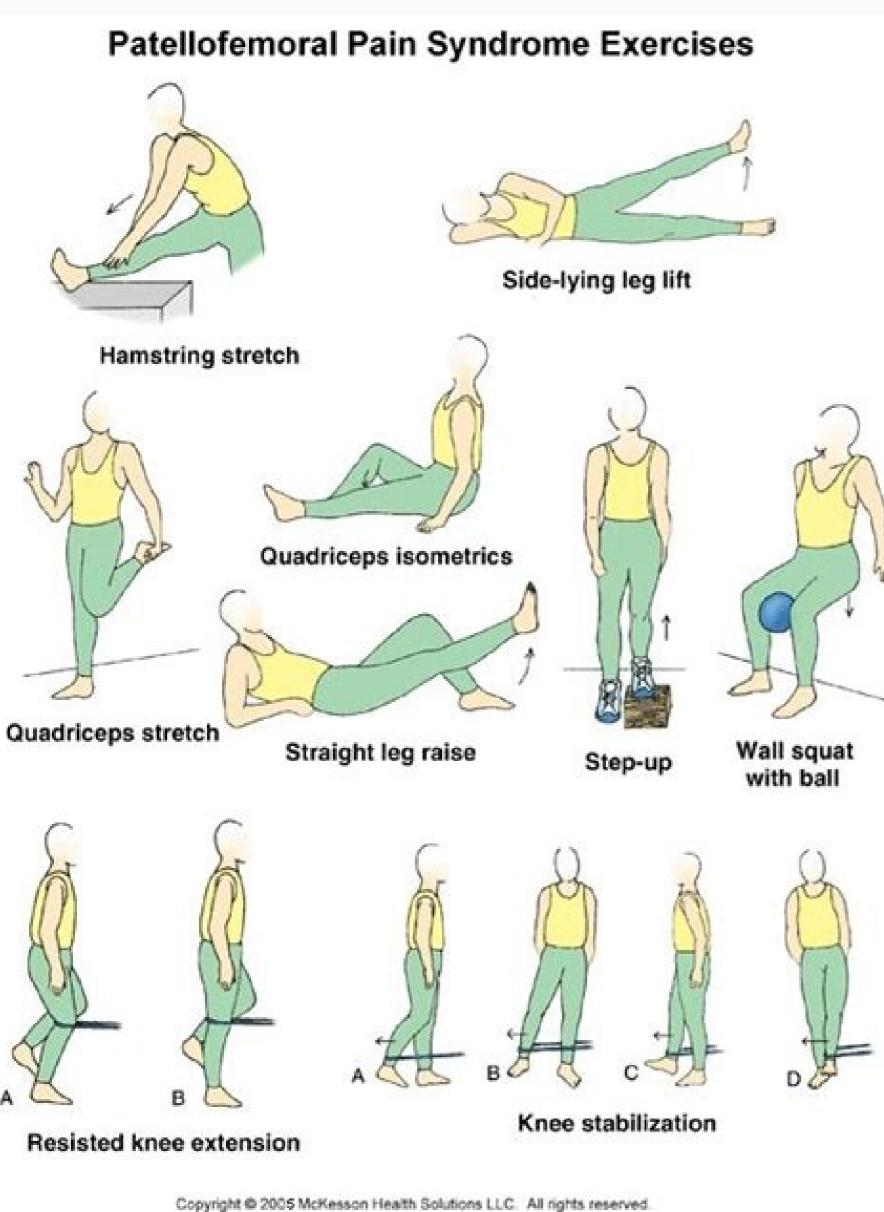
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...and 10 more exercises







Developed by Deliz Collado Exercises for Prepatellar Bursitis			
Exercise	Description	Weight/Sets/Repetitions	
Straight Leg Raise	Sit or lie down on the floor with your injured leg extended straight in front of you. Bend your other leg so that your foot is lying flat on the floor. Raise	To start, do not use any weight, and hold the pose for 10-20 seconds. Repeat for 2-3 sets. Alternate between legs.	
Straight leg raise	your straight leg until your elevated knee is even with your bent knee. Turn your foot to the outside slightly and assure that your entire leg is straight when doing so.	After the pose becomes easier, increase the time holding the pose by 5-10 seconds. Your rest will be the time it takes to do the exercise on the other leg.	
Heel Slide	Lie on your back with your injured leg extended straight in front of you. Bend your other leg so that your foot is lying flat on the floor. Bring your foot towards your buttocks by bending your injured knee until you feel a gentle stretch in your knee.	To start, do not use any weight, and hold the pose for 5-10 seconds. Repeat for 2-5 sets. Alternate between legs. After the pose becomes easier, increase the time holding the pose to 8-15 seconds for 5-8 sets. Your rest will be the time it takes to do the exercise on the other leg.	
Quad Sets	Sit supported on the floor or on a firm bed with your injured leg extended straight in front of you. Bend your other leg so that your foot is lying flat on the floor. Put a small, rolled up towel or blanket under your injured knee. Tighten your thigh muscles as you press the back of your knee down on the	Do not use any weight. To start, hold the pose for 8-12 seconds. Repeat for 2-5 sets. Alternate between legs. After the pose becomes easier, Increase the time holding the pose to 12-20 seconds for 5-8 sets. Your rest will be the time it takes to do the exercise on the other leg.	

Have any questions, comments, or concerns? Call me at 770-383-48 Or email me at deliz.collado@gmail.com

What kind of exercise can i do to strengthen my knees. What are some exercises to strengthen your knees. Knee strengthening exercises spanish pdf.

For additional payment options call us at (800) 333-3032. Subscribe to receive special offers, exclusive updates, and new product announcements. © 2021 Krames LLC The Spanish squat increases the tension within the lower

extremities but does not increase the compressive force in the patella femoral joint. The increase in tension in the patella femoral joint. The increase in tension in the patella femoral joint. The analgesic effect on the tendon. The analgesic effect on the tendon. The analgesic effect on the patella femoral joint. Therapist if you have anterior knee pain Healthcare professionals see patients suffering from anterior knee pain on a daily basis. Treating the injured area. Instead of typical squats and lunges, Physical Therapists introduce Spanish squats as a part of a wellrounded routine that includes strengthening and stretching exercises for the core and lower extremities. This regimen can usually reduce the pain in the anterior aspect of the involved knee. Strength development is dependent upon the "over-load" principle of the involved knee. Strength development is dependent upon the "over-load" principle of the involved knee. Strength development is dependent upon the "over-load" principle of the involved knee. Strength development is dependent upon the "over-load" principle of the involved knee. Strength development is dependent upon the "over-load" principle of the involved knee. Strength development is dependent upon the "over-load" principle of the involved knee. Strength development is dependent upon the "over-load" principle of the involved knee. strong enough to "handle" the increased resistance force. The muscle cells increases its ability to generate force which makes the muscle cells. The growth of the muscle cells increases its ability to generate force which makes the muscle cells. located in that aspect of the knee joint, the muscles have to be strengthened without irritating the tendon absorbs more inflammation and pain. The tendon attaches the muscle is not strong enough to "handle" the forces that are placed on the joint the tendon absorbs more stress and stain than it can handle. Excess stresses and strains on the tendon tissue can cause damage to it and lead to injury and pain. The healthcare professional needs to incorporate exercises that are commonly used to accomplish this task are squats and lunges. A "routine" squat sometimes puts too much pressure on the front of the knee and causes more pain. A more suitable option is called a Spanish Squat is used to generate strength in the lower extremities without "over loading" the anterior knee structures. The exercise involves placing a non-elastic strap behind the knees of the patient and tying the strap to an immovable object. The patient should keep their torso upright and not lean forward. The squat should be "held" at a level that is not extremely painful in the front of the knee. The "pain" that the patient experiences should be due to the muscle fatigue in the thighs and buttocks. The eventual goal is to perform 45 second holds 5x several times per day. There should be a reasonable amount of rest between squat/holds and can be as long as 2 minutes. The theory behind this exercise states that the "load" on the tendon can inhibit the pain signal is interrupted the patient should be able to perform a "regular" squat or lunge without experiencing pain in the front of their knee. Physical Therapists utilize the Spanish squat when their patients are unable to perform weight bearing exercises that require the involved knee to bend due to pain in the front of the knee. They will begin the rehabilitation session with this exercise because the studies indicate that there is an analgesic effect on the tendon for nearly 1 hour. The reduction in the amount of pain that the patient performing the weight bearing exercises that are commonly used to develop lower extremity strength. Anterior knee pain is one of the most common ailments that are treated in out-patient Physical Therapy centers. The use of the Spanish squat has proven to be a reliable exercises due to the analgesic effect on the soft tissues. Utilizing the Spanish squat routine might be a wise choice for all lower extremity patients due to its ability to increase muscle strength and not place excess pressure on the anterior aspect of the knee. Knee Conditioning Program To ensure that this 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. After an injury or surgery, an exercise conditioning program will also help you return to sports and other recreational activities. Strengthening the muscles that support your knee will reduce stress on your knee joint. Strong muscles help your knee joint absorb shock, Flexibility: 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: Quadriceps (front of the thigh) Adductors (outer thigh) Adductors (outer thigh) Adductors (outer thigh) Adductors (outer thigh) Hamstrings (back of the thigh) Adductors (outer thigh) Ad After your recovery, these exercises can be continued as a maintenance program for lifelong protection and health of your knees. Related Articles Staying Active As You Age Warmup: 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 stretching exercises shown on Page 1 before moving on to the stretching exercises shown on Page 1 before moving on to the stretching exercises shown on Page 1 before moving on to the stretching exercises shown on Page 1 before moving on to the stretching exercises shown on Page 1 before moving on to the stretching exercises. 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. Main muscles worked: Gastrocnemius-soleus complexYou should feel this stretch in your calf and into your heel Equipment needed: None Repetitions 2 sets of 4Days Per Week 6 to 7 Step-by-step directions Stand facing a wall with your unaffected leg forward with a 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. Main muscles worked: QuadricepsYou should feel this stretch in the front of your thigh Equipment needed: None Repetitions 2 to 3Days Per Week 4 to 5 Step-by-step directions Hold on to the back of a chair or a wall for balance. Bend your knee and bring your heel up toward your buttock. Grasp your ankle with your hand and gently pull your heel closer to your body. Hold this position for 30 to 60 seconds. Repeat with the opposite leg. Tip Do not arch or twist your back. Main muscles worked: HamstringsYou should feel this stretch at the back of your thigh and behind your knee Equipment needed: None Repetitions 2 to 3Days Per Week 4 to 5 Step-by-step directions Lie on the floor with both legs bent. Lift one leg off of the floor and bring the knee 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 knee joint and pull. Main muscles worked: Quadriceps, gluteus, hamstringsYou should feel this exercise at the front and back of your thighs, and your buttocks Equipment needed: As the exercise becomes easier to perform, gradually increase the resistance, up to 10 lb. weights. Repetitions 3 sets of 10Days Per Week 4 to 5 Step-by-step directions Stand with your feet shoulder distance apart. Your hands can rest on the front of your thighs or reach in front of you. If needed, hold on to the back of a chair or wall for balance. Keep your chest lifted and slowly lower your hips about 10 inches, as if you are sitting down into a chair. Plant your weight in your heels and hold the squat for 5 seconds. Push through your heels and bring your body back up to standing. Tip Do not bend forward at your waist. Main muscles worked: HamstringsYou should feel this exercise at the back of your thigh Equipment needed: As the exercise becomes easier to perform, gradually increase the resistance by adding an ankle weight. Begin with a 5 lb. weight and gradually progress to a greater level of resistance, up to a 10 lb. weight. If you have access to a fitness center, this exercise can also be performed on a weight machine. A fitness assistant at your gym can instruct you on how to use the machines safely. Repetitions 3 sets of 10Days Per Week 4 to 5 Step-by-step directions Hold onto the back of a chair or a wall for balance. Bend your affected knee and raise your heel toward the ceiling as far as possible without pain. Hold this position for 5 seconds and then relax. Repeat. Tip Flex your foot and keep your knees close together. Main muscles worked: Gastrocnemius-soleus complexYou should feel this exercise in your calf Equipment needed: Chair for support Repetitions 2 sets of 10Days Per Week 6 to 7 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 as high as you can, then lower. Repeat 10 times. Tip Keep your weight centered on the ball of your working foot. Main muscles worked: QuadricepsYou should feel this exercise at the front of your thigh Equipment needed: As the exercise becomes easier to perform, gradually increase the resistance by adding an ankle weight. Begin with a 5 lb. weight and gradually progress to a greater level of resistance, up to a 10 lb. weight. If you have access to a fitness center, this exercise can also be performed on a weight machine. A fitness assistant at your gym can instruct you on how to use the machines safely. Repetitions 3 sets of 10Days Per Week 4 to 5 Step-by-step directions Sit up straight on a chair or bench. Tighten your thigh muscles and slowly straighten and raise your affected leg as high as possible. Squeeze your thigh muscles and hold this position for 5 seconds. Relax and bring your foot to the floor. Repeat. Tip Do not swing your leg or use forceful momentum to lift it higher. Main muscles worked: QuadricepsYou should feel this exercise at the front of your thigh Equipment needed: As the exercise becomes easier to perform, gradually increase the resistance by adding an ankle weight. If you have access to a fitness center, this exercise can also be performed on a weight machine. A fitness assistant at your gym can instruct you on how to use the machines safely. Repetitions 3 sets of 10Days Per Week 4 to 5 Step-by-step directions Lie on the floor with your elbows directly under your shoulders to support your affected leg and slowly raise it 6 to 10 inches off the floor. Hold this position for 5 seconds and then relax and bring your leg to the floor. Repeat. Tip Do not tense up in your neck and shoulders. Main muscles worked: Hamstrings, gluteusYou should feel this exercise at the back of your thigh and into your buttock Equipment needed: As the exercise becomes easier to perform, gradually increase the resistance by adding an ankle weight. Begin with a 5 lb. weight and gradually progress to a fitness assistant at your gym can instruct you on how to use the machines safely. Repetitions 3 sets of 10Days Per Week 4 to 5 Step-by-step directions Lie on the floor on your stomach with your legs straight. Rest your head on your arms. Tighten your pelvic bones on the floor. Main muscles worked: Abductors, gluteusYou should feel this exercise at your outer thigh and buttock Equipment needed: As the exercise becomes easier to perform, gradually increase the resistance by adding an ankle weight. Repetitions 3 sets of 20Days Per Week 4 to 5 Step-by-step directions Lie on your side with your injured leg on top and the bottom leg bent to provide support. Straighten your knee straight, but not locked. Hold this position for 5 seconds. Slowly lower your leg and relax it for 2 seconds. Repeat. Tip Do not rotate your leg in an effort to raise it higher. Main muscles worked: AdductorsYou should feel this exercise at your inner thigh Equipment needed: As the exercise becomes easier to perform, gradually increase the resistance by adding an ankle weight. Begin with a 5 lb. weight and gradually progress to a greater level of resistance, up to a 10 lb.

weight. Repetitions 3 sets of 20Days Per Week 4 to 5 Step-by-step directions Lie down on the floor on the side of your injured leg in front of the injured leg in front of your stomach for support. Main muscles worked: Quadriceps, hamstringsYou should feel this exercise at the front of your hand the front and back of your thigh Equipment needed: This exercise is best performed using an elastic stretch band of comfortable resistance. As the exercise is best performed using an elastic stretch band of comfortable resistance. As the exercise at the front of your fund the injured leg in front of your hand on the floor in front of your fund stretch band of comfortable resistance. As the exercise at the front of your fund stretch band of comfortable resistance. As the exercise at the front of your fund stretch band of comfortable resistance. As the exercise at the front of your fund stretch band of comfortable resistance. It is exercise at the front of your fund stretch band of comfortable performed using an elastic stretch band of comfortable resistance. As the exercise is best performed using an elastic stretch band of comfortable resista

for a total of 10 reps. Breathe regularly throughout the exercise. Duplicate this exercise 10-15 times on each side. With balance exercises, it's essential to take breaks between multiple sets. Hip Stretches for Seniors 8. Hip Circles Oct 23, 2019 · Using a TRX program adapted for older adults, participants focused on strengthening the core while working on bodyweight rows, chest presses, tricep presses and squats. According to the study, all participants noted positive effects whereas strength gains were the most. 2. It works Digital Journalists in 200 countries around the world. Join us! Mar 11, 2021 · Exercises and stretches are important parts of recovery from a herniated or slipped disk. In this article, we look at 6 possible exercises were actually created as a resource in 2020, when many children were working remotely. With all of the time that children spent completing

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