

Plica Syndrome

Introduction



Welcome to BodyZone Physiotherapy's patient resource about Plica Syndrome.

Plica syndrome is an interesting problem that occurs when an otherwise normal structure in the knee becomes a sknee pain due to injury or overuse. The diagnosis can sometimes be difficult, but if this is the source of your kneed as the easily treated.

This article will help you better understand:

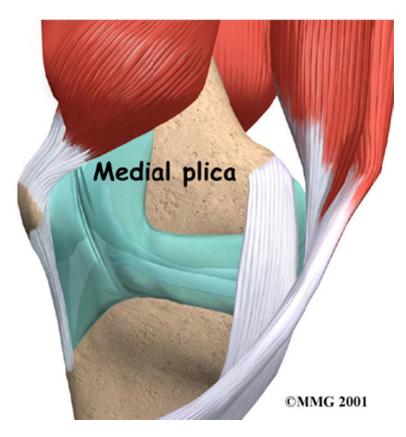
- what a plica is
- how plica syndrome can cause problems
- what doctors can do to treat the condition

Anatomy

What is a plica, and what does it do?

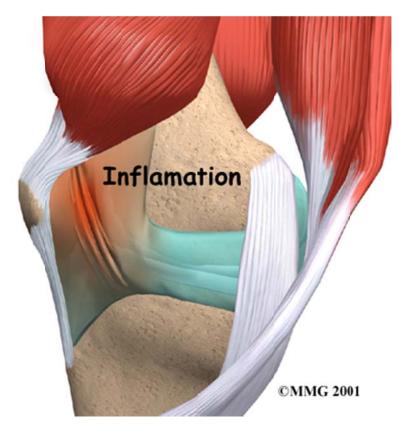
Plica is a term used to describe a fold in the lining of the knee joint. Imagine the inner lining of the knee joint as more than a sleeve of tissue. This sleeve of tissue is made up of *synovial tissue*, a thin, slippery material that line Just as a tailor leaves extra folds of material at the back of sleeves on a shirt to allow for unrestricted motion of the synovial sleeve of tissue has folds of material that allow movement of the bones of the joint without restriction.

Four plica synovial folds are found in the knee, but only one seems to cause trouble. This structure is called the national plica attaches to the lower end of the patella (kneecap) and runs sideways to attach to the lower end of thighbone at the side of the knee joint closest to the other knee. Most of us (50 to 70 percent) have a medial plica doesn't cause any problems.



Causes

How does a plica cause problems in the knee?



A plica causes problems when it is irritated. This can occur over a long period of time, such as when the plica is certain exercises, repetitive motions, or kneeling.

Activities that repeatedly bend and straighten the knee, such as running, biking, or use of a stair-climbing machinitritate the medial plica and cause plica syndrome.

Injury to the plica can also happen suddenly, such as when the knee is struck in the area around the medial plica.

This can occur from a fall or even from hitting the knee on the dashboard during an automobile accident.

This injury to the knee can cause the plica, and the synovial tissue around the plica, to swell and become painful

The initial injury may lead to scarring and thickening of the plica tissue later.

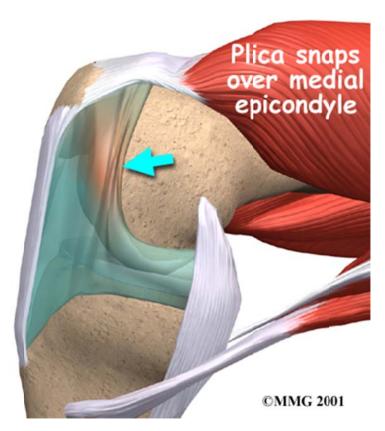
The thickened, scarred plica fold may be more likely to cause problems later.

Symptoms

What does plica syndrome feel like?

The primary symptom caused by plica syndrome is pain. There may also be a snapping sensation along the insid knee as the knee is bent. This is due to the rubbing of the thickened plica over the round edge of the thighbone we enters the joint. This usually causes the plica to be tender to the touch. In thin people, the tissue that forms the plactually be felt as a tender band underneath the skin. In rare cases where the plica has become severely irritated, may become swollen.

Snapping Sensation



Diagnosis

When you visit BodyZone Physiotherapy, we will begin your diagnosis with a history and physical exam. The exist used to try and determine where the pain is located and whether or not the band of tissue can be felt.

Some patients may be referred to a doctor for further diagnosis. Once your diagnostic examination is complete, t physiotherapists at BodyZone Physiotherapy have treatment options that will help speed your recovery, so that y quickly return to your active lifestyle.

Our Treatment

What can be done for plica syndrome?

The majority of people with plica syndrome will get better without surgery. The primary goal when treating the reduce the inflammation. This may require limiting activities like running, biking, or using a stair-climbing macl

Non-surgical Rehabilitation

When you begin physiotherapy at BodyZone Physiotherapy, we may first suggest anti-inflammatory medication ibuprofen or aspirin to reduce the inflammation. Our physiotherapist may also use ice packs or ice massage to be the inflammation and swelling in the area of the plica. Ice massage is easy and effective. Simply freeze water in When needed, tear off the top inch, exposing the ice. Rub three to five minutes around the sore area until it feels

Additionally, we may apply treatments such as ultrasound and friction massage to calm inflammation in the plicatherapy sessions sometimes include *iontophoresis*, which uses a mild electrical current to *push* anti-inflammatory to the sore area. This treatment is especially helpful for patients who can't tolerate injections.

Once the inflammation is reduced, our physiotherapist will begin treatments involving stretching and strengthen for the leg.

Although the time required for recovery varies, if your treatment is nonsurgical, you should be able to return to ractivity within four to six weeks.

Post-surgical Rehabilitation

When you begin post-surgical physiotherapy, our first few rehabilitation sessions will be designed to ease pain a and help you begin gentle knee motion and thigh tightening exercises. Patients rarely need to use crutches after t surgery.

As our program evolves, our therapist will choose more challenging exercises. Patients do *closed chain exercises* their foot on a surface while working the knee joint. These exercises mimic familiar activities like squatting dow forward, and going up or down steps. These exercises help keep pressure off the kneecap while getting a challen workout for the leg muscles. Our physiotherapist will work with you to make sure you are not having extra pain during the exercises. We may also have you do stretches for the soft tissues along the edge of the kneecap as well flexibility exercises for the hamstrings, quadriceps, and calf muscles.

At BodyZone Physiotherapy, our goal is to help you keep your pain under control, increase the strength of your of muscles, and maximize the range of motion in your knee. When your recovery is well under way, regular visits t will end. Although we will continue to be a resource, you will be in charge of doing your exercises as part of an home program.

Surgery

If all nonsurgical attempts to reduce your symptoms fail, surgery may be suggested. Usually, an arthroscope (me earlier) is used to remove the plica. The small TV camera is inserted into the knee joint through one-quarter inch Once the plica is located with the arthroscope, small instruments are inserted through another one-quarter inch ir cut away the plica tissue and remove the structure. The area where the plica is removed heals back with scar tissue are no known problems associated with not having a plica, so you won't miss it.

