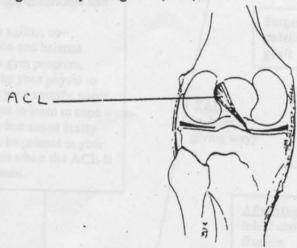


ANTERIOR CRUCIATE LIGAMENT INJURY

WHAT IS THE ANTERIOR CRUCIATE LIGAMENT (ACL)?

The ACL (seen in the picture below) is the most important ligament in your knee joint. It is thick and runs from the front of the tibia (your shin bone) to the back of your femur (thigh bone). This ligament is vital for maintaining a stable knee joint and has many important functions. Specifically, the ACL plays a major role in what is called the "screw home" mechanism. The role of the ACL in this mechanism is to control rotation of your tibia on your femur, in the last 30 degrees of extension, allowing it to fully straighten (lock).



Some other functions of this ligament are to:

- prevent hyper-extension of the knee
- reinforce the ligament running along the inside of your knee (medial collateral ligament)
- controls the forward movement of your tibia.

This ligament is commonly injured (approx. 60 in 100,000 people). Injury to the ACL often occurs when a person is twisting, jumping or decelerating suddenly. Sports where this injury often occurs are rugby, AFL, soccer, netball, skiing and basketball.

WHAT TO EXPECT AFTER AN ACL INJURY...

Some normal occurrences that you may experience after injuring your knee are:

- you may have heard a "pop" or a "crack"
- intense pain to begin with and no pain afterwards
- an immediate and large amount of swelling in the knee joint (called a haemarthrosis)
- episodes of giving way (this occurs in 60% of cases)
- knee joint may be locked
- may also be accompanied by an injury to your medial collateral ligament (this runs along the inside of your knee) and your medial and lateral menisci (the cartilage in the knee joint).

After your injury has been diagnosed, you have 2 management options... (please turn over)

