
HUMAN MEDICINE

Case Report 6 - ACL Injury



GOLDIC®

ORTHO & SPORT

ACL INJURY

An **ACL injury** is the tearing of the anterior cruciate ligament (ACL) — one of the major ligaments in the knee. Ligaments are strong bands of tissue that connect one bone to another. The ACL, one of two ligaments that cross in the middle of the knee, connects the thighbone (femur) to the shinbone (tibia) and helps stabilize the knee joint.

Many people hear or feel a “pop” in the knee when an ACL injury occurs. The knee may swell, feel unstable and become too painful to bear weight. ACL injuries most commonly occur during sports that involve sudden stops, jumping or changes in direction — such as basketball, soccer, football, tennis, squash, downhill skiing, volleyball and gymnastics.

Unlike progressive knee conditions, such as knee osteoarthritis, symptoms of an ACL tear are sudden onset and can almost always be traced back to a specific incident or injury.

Without treatment, the swelling and pain in the knee generally subside over a period of several weeks; however the knee instability often persists, limiting the person’s ability to engage in athletics and even daily activities. In particular, it may be difficult for the person to stand up from a sitting position or going downstairs.

GOLDIC® treatment for ACL injuries attempt to support initial healing and the re-organization of the fibres. Recent advances with this technology have shown MRI evidence of ligaments that weren’t supposed to heal, looking more like normal ligaments after injections than a torn one. The aim is to exercise earlier and that muscles don’t atrophy, which usually results in a faster return to sport.

GOLDIC® is anti-inflammatory, it reduces the pain, restores mobility and existing local stem cells will be activated and their differentiation supported. It stimulates the body’s own **REGENERATION**.

CASE: GOLDIC® treatment for a ACL - rupture in a 44 years old female runner

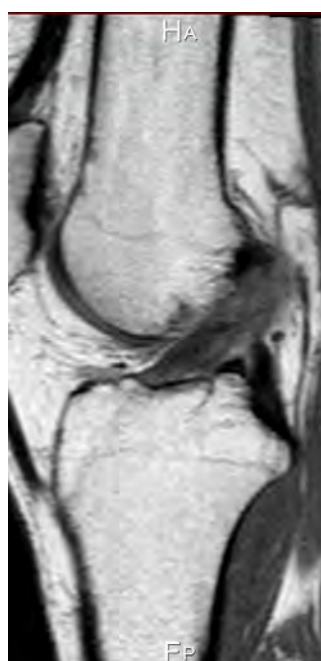
Before GOLDIC® treatment.

Two (2) weeks after trauma, with intraligamentary ACL rupture.



8 weeks after GOLDIC® treatment.

Initial healing and reorganisation of ACL fibers.



16 weeks after GOLDIC® treatment.

Completely regenerated ACL.

