

Patient information · Interventional Radiology · Cochin University Hospital AP-HP

This document provides information about genicular artery embolization for inflammatory knee osteoarthritis (gonarthrosis).

## 1. Principle

In inflammatory osteoarthritis, the knee synovium develops abnormal blood vessels. Embolization of these vessels with microspheres (75-100 µm) reduces inflammation and pain.

**Innovative technique: 70-80% pain reduction without surgery, day case. Validated in multiple published studies.**

## 2. Before the procedure

- Recent knee X-rays and MRI
- Standard blood tests
- Stop anti-inflammatory drugs as instructed

## 3. The procedure

- Day case: arrive in the morning, leave same day
- Local anaesthesia
- Selective arteriography under fluoroscopic guidance
- Microsphere injection into synovial vessels
- Duration: 45-90 minutes

## 4. Recovery

- Return home same day
- Possible knee pain for 24-48h (ice, paracetamol)
- Walking from next day
- Progressive improvement over 4-8 weeks
- Control ultrasound and consultation at 3 months

**Warning: Intense pain, redness or significant swelling after the procedure: contact our team.**