

Patient guide

Advance Orthopaedic & Sports Injury Centre, Ballari

Robotic-assisted knee replacement

A worn knee, planned and replaced with robotic assistance, then rebuilt in physiotherapy.

In a knee replacement the damaged surfaces of the thigh bone and shin bone are capped with an implant so the joint can bend and bear weight again. Robotic assistance is used to plan the position and to guide bone preparation. The surgeon performs the operation.

Duration: Often about 1–2 hours.

Anaesthesia: Spinal, epidural or general, decided with the anaesthesia team.

Stay: Often a short hospital stay. The exact nights are planned for you.

Recovery: Walking with support is the early goal. Full confidence takes months.

1. Plan — Your X-rays and the examination decide the implant and the alignment target.
2. Anaesthesia and positioning — You are made comfortable and the leg is prepared. Trackers may be fixed to the bone so the system can see the knee.
3. Bone preparation — The surgeon removes the worn surface with a guided handpiece, within the plan.
4. Implant and closure — Trial parts check the bend and the balance. The final implant is seated and the wound is closed.
5. First steps — Physiotherapy starts the movement plan, often the same day or the next.

The aim is a knee that walks for ordinary life with less pain. It is not a promise of a teenage joint, and this clinic does not publish a success percentage.

This sheet is general information. It is not a personal plan.