

Patient guide

Advance Orthopaedic & Sports Injury Centre, Ballari

Robotic-assisted hip replacement

A worn hip, replaced with robotic assistance, so walking and sitting can become ordinary again.

A hip replacement swaps the worn ball and socket for an implant. Robotic assistance with the Mako system is used for planning and for preparing the bone.

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 the socket and the stem — X-rays set the size and the angle targets.
2. Prepare the bone — The socket and the thigh canal are prepared to the plan, with robotic guidance.
3. Trial and final implant — Leg length and stability are checked before the final parts are seated.
4. Walk — A walking plan starts in hospital and continues with physiotherapy.

Most of the gain is less groin pain and a more useful walk. Athletics and sitting on the floor are separate questions.

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