

Minimally Invasive Hip & Knee Surgery

Minimally invasive surgery (MIS) means different things in different contexts. For hip replacement, true MIS means the direct anterior approach — accessing the joint between muscle planes without cutting any muscles or tendons. For knee replacement, MIS means a medial parapatellar or subvastus approach that limits incision length and soft tissue disruption. At Orthopaedics 360, every procedure is performed with the smallest tissue footprint consistent with precision, safety, and an excellent long-term result.



SCAN TO READ MORE

01 What True MIS Means

No muscles cut, not just a smaller incision — tissue preservation.

02 For Hip Replacement

Direct anterior approach: all muscles intact, same-day walking.

03 For Knee Replacement

Limited soft tissue dissection with patient-specific guides.

04 Dr Liew's Commitment

Smallest tissue footprint with no compromise to precision or outcomes.

HIP MIS

Direct Anterior

KNEE MIS

Limited Dissection

MUSCLES

Preserved

OUTCOME

No Compromise

"Smaller footprint.
Same excellence."

— Dr Chien-Wen Liew

FREQUENTLY ASKED QUESTIONS

Q. Does minimally invasive mean a smaller scar?

A smaller incision is part of it, but true MIS means tissue preservation — no muscle cutting — which has a greater impact on recovery than incision length alone.

Q. Is MIS available to all patients?

The majority of patients are suitable. Complex anatomy, prior surgery, or severe deformity may modify the approach, which is planned individually.

Q. Does MIS affect the longevity of the implant?

No. Minimally invasive technique does not compromise implant positioning or long-term fixation when performed by an experienced surgeon.

ABOUT THE SURGEON

Dr Chien-Wen Liew exclusively performs total hip replacements via the direct anterior approach and total knee replacements via kinematic alignment only. He utilises patient-specific technology for both procedures, and practices from Orthopaedics 360 — within the Eastwood Private Hospital Precinct.