



SCAN TO READ MORE

Single-Use Instrumentation

Single-use instrumentation means a fresh, factory-sealed sterile set of surgical instruments is opened for one patient and then discarded, rather than relying on reusable steel trays that are cleaned and re-sterilised between operations. For hip and knee replacement, this has implications for sterility, precision, and consistency.

THE TECHNIQUE

O1 A Fresh Set Each Time

A new, sterile, single-patient instrument set is opened for every operation.

O2 Sterility

No reliance on a reprocessing cycle removes one potential source of contamination.

O3 Precision

Instruments are sharp and dimensionally accurate on their first and only use.

O4 Patient-Specific

Sets can be matched to the implant sizes from your pre-operative plan.

AT A GLANCE

APPLICATION

Hip & Knee

SET

Single-Patient

PACKAGING

Factory-Sealed

REPROCESSING

Not Required

“Opening a brand-new sterile set for every patient removes an entire step where contamination could be introduced.”

— Dr Chien-Wen Liew

FREQUENTLY ASKED QUESTIONS

Q. What is single-use instrumentation?

A fresh, sterile, single-patient instrument set is opened for one operation and discarded, instead of reusing trays cleaned between cases.

Q. Is it used for both hip and knee replacement?

Yes. Single-use systems are available for both, and Dr Liew has used disposable sets for every knee replacement over several years.

Q. Does it remove infection risk?

It removes one potential source of contamination, but no single measure eliminates risk. It works alongside theatre, antibiotic, and technique protocols.

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.

Dr Chien-Wen Liew

Hip and Knee Replacement Surgeon

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