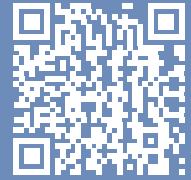


Longevity of a Knee Replacement



SCAN TO READ MORE

The Australian Joint Replacement Registry reports a 20-year revision rate of 8.0% for total knee replacements — meaning 92% are still functioning two decades after surgery. This data, drawn from over 980,000 procedures, demonstrates the long-term reliability of modern implants and the importance of surgical precision. Infection and loosening are the leading causes of revision, both minimised through careful technique and patient preparation.

THE TECHNIQUE

01 Registry Evidence

980,419 knee replacements tracked across Australia.

02 20-Year Survival

92% of modern prostheses functioning at 20 years.

03 Leading Failure Causes

Infection (26.6%) and loosening (22.4%) are primary reasons for revision.

04 Continuous Improvement

Implant design advances continue to improve long-term outcomes.

AT A GLANCE

20-YR RATE

8.0% Revision

REGISTRY

980,419 Knees

SURVIVAL

92% at 20 Yrs

INFECTION

26.6% of Revisions

**“A well-performed knee replacement
can last a generation.”**

— Dr Chien-Wen Liew

FREQUENTLY ASKED QUESTIONS

Q. How long will my knee replacement last?

Registry data shows 92% of total knee replacements remain functional at 20 years with modern implant systems.

Q. What is the most common reason for revision?

Infection accounts for 26.6% of revisions, followed by aseptic loosening at 22.4%. Both are minimised through careful technique.

Q. Does the alignment technique affect longevity?

Correct alignment is critical to reducing wear and loosening. Kinematic alignment aims to optimise load distribution for long-term durability.

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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