

Dr Andreas Loeffler

www.orthosports.com.au

29-31 Dora Street, Hurstville
160 Belmore Road, Randwick



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Dual Mobility Hip Replacement

Something New
Increasing in Popularity

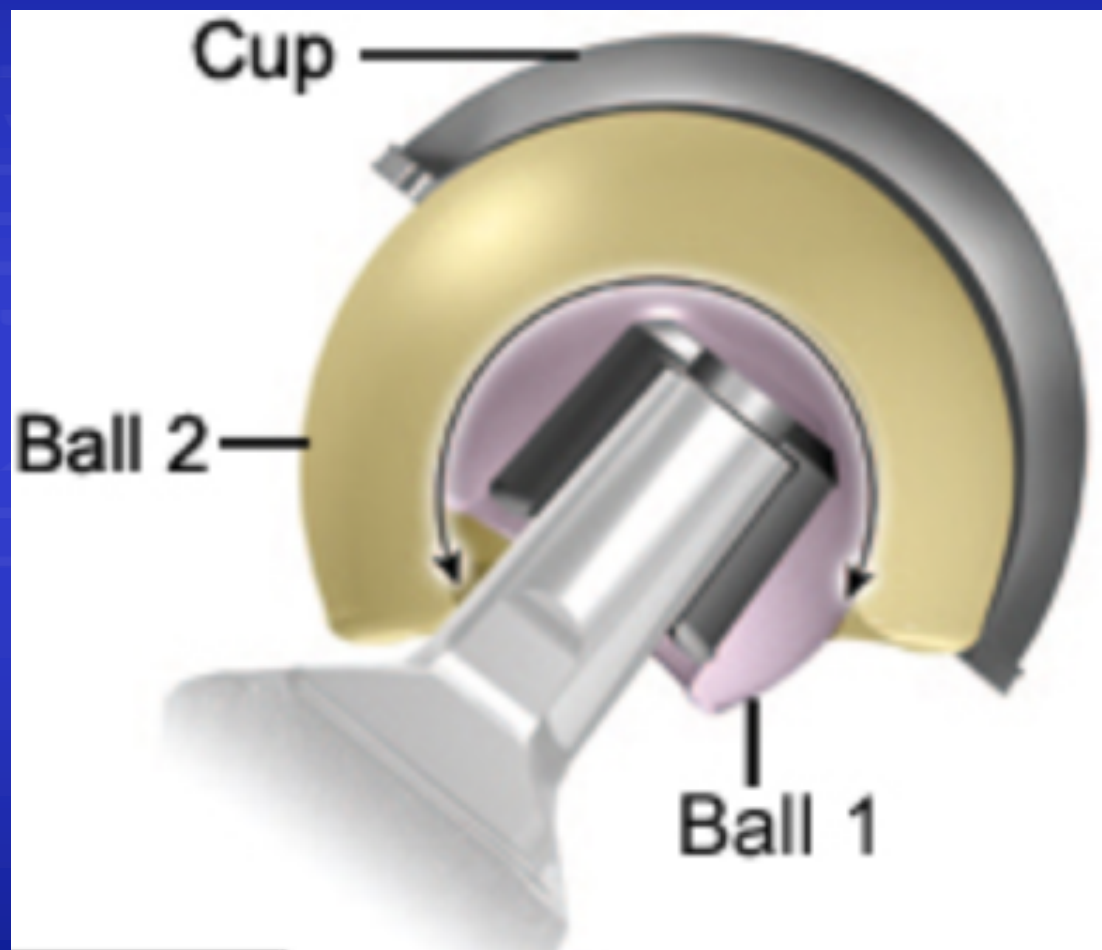


ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Dual Mobility



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Dual Motion



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Total Hip Replacement

- More than 50 years
- One of the best operations
 - Reduces pain and restores function
 - Cost effective – QALY, DALY
- 50 000 per year in Australia
- Excellent long term results



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Tribology

- Convergence of designs
- Cups
 - Mostly non-cemented
- Femoral stems
 - Highly polished – cemented
 - Rough HA coated - uncemented
- Femoral heads
 - Metal, ceramic, dual mobility



THR Failure

- Loosening
- Fracture
- Infection
- Dislocation



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Loosening

- Aseptic loosening
- Failure of ingrowth
- Early overuse
- Occult infection



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Fracture

- Fracture proximal femur
- Fracture pelvis
- Fracture of prosthesis rare



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Fracture

- Fracture proximal femur
- Fracture pelvis
- Fracture of prosthesis rare



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Infection

- Pre-op shower
 - Peri-op antibiotics for 24 hours
 - Intra-op irrigation with Betadine
 - Antibiotic impregnated cement
-
- Patient factors: Obesity, diabetes
 - Approx 1 in 200 deep infection



Dislocation

- Cup position
- Femoral version
- Soft tissue tension
- Small heads



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Dislocation

- Cup position
- Femoral version
- Soft tissue tension
- Small heads
- Larger heads
- Dual mobility- 40 to 45mm



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Dual Mobility

- Head within a head
- Bigger head
 - Bigger jump distance
- Bigger range
 - More stable



Patient Selection

- Fracture NOF
- Post spinal fusion
- Poor compliance
- Neurological conditions
- Revision
- All elderly patients



Patient Selection

- Fracture NOF
- Post spinal fusion
- Poor compliance
- Neurological conditions
- Revision
- All elderly patients



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Patient Selection

- Fracture NOF
- Post spinal fusion
- Poor compliance
- Neurological conditions
- Revision
- All elderly patients



Dual Mobility Concerns

- Poly wear in younger patients
- In France most patients over 60
- Dissociation
- Cost



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Joint Replacement Registry

- 21 years old
- More than 800 000 hips
- Records all revisions
- Guide for surgeons and patients
- Surgeon portal – personal feedback

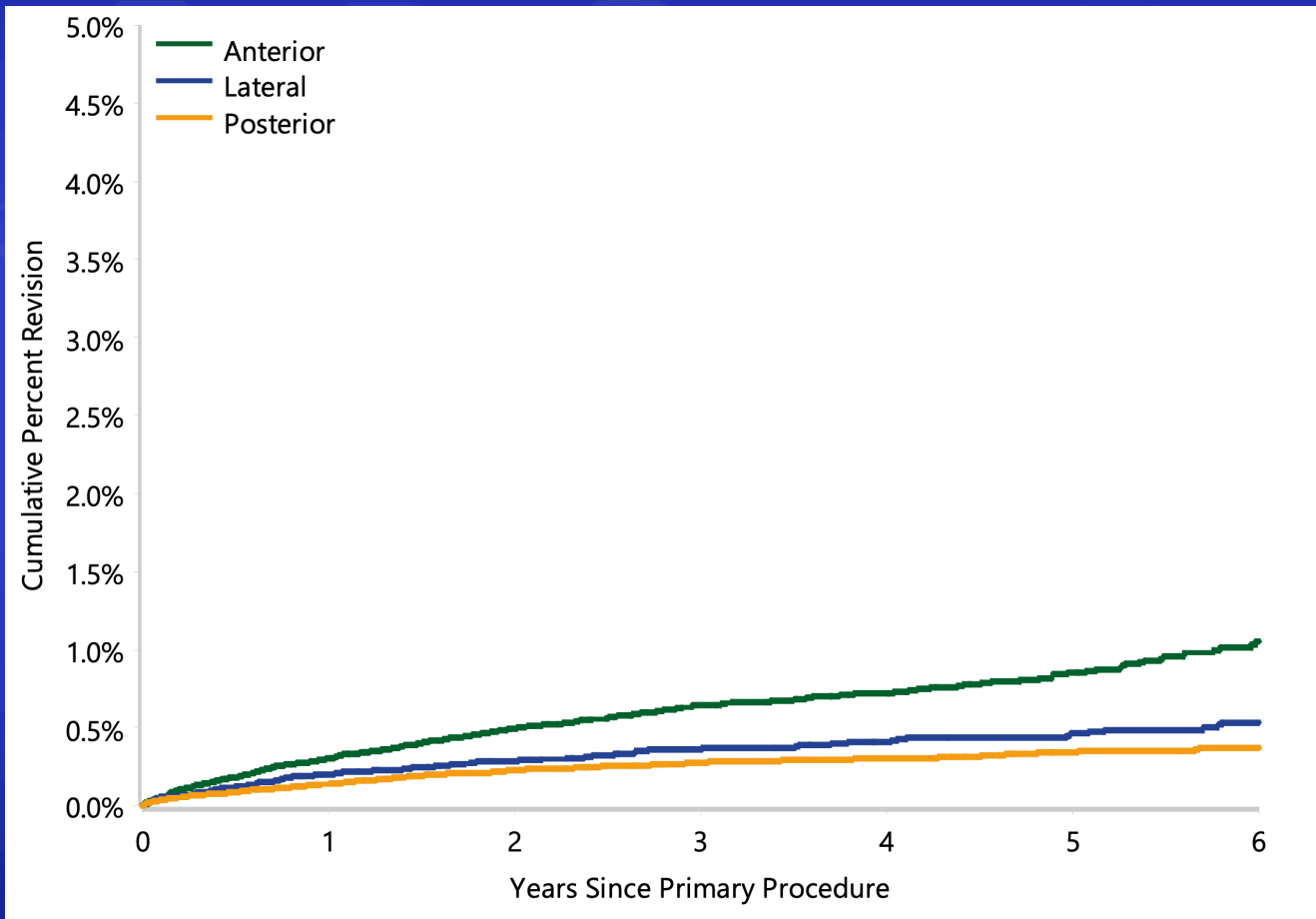


ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Approach

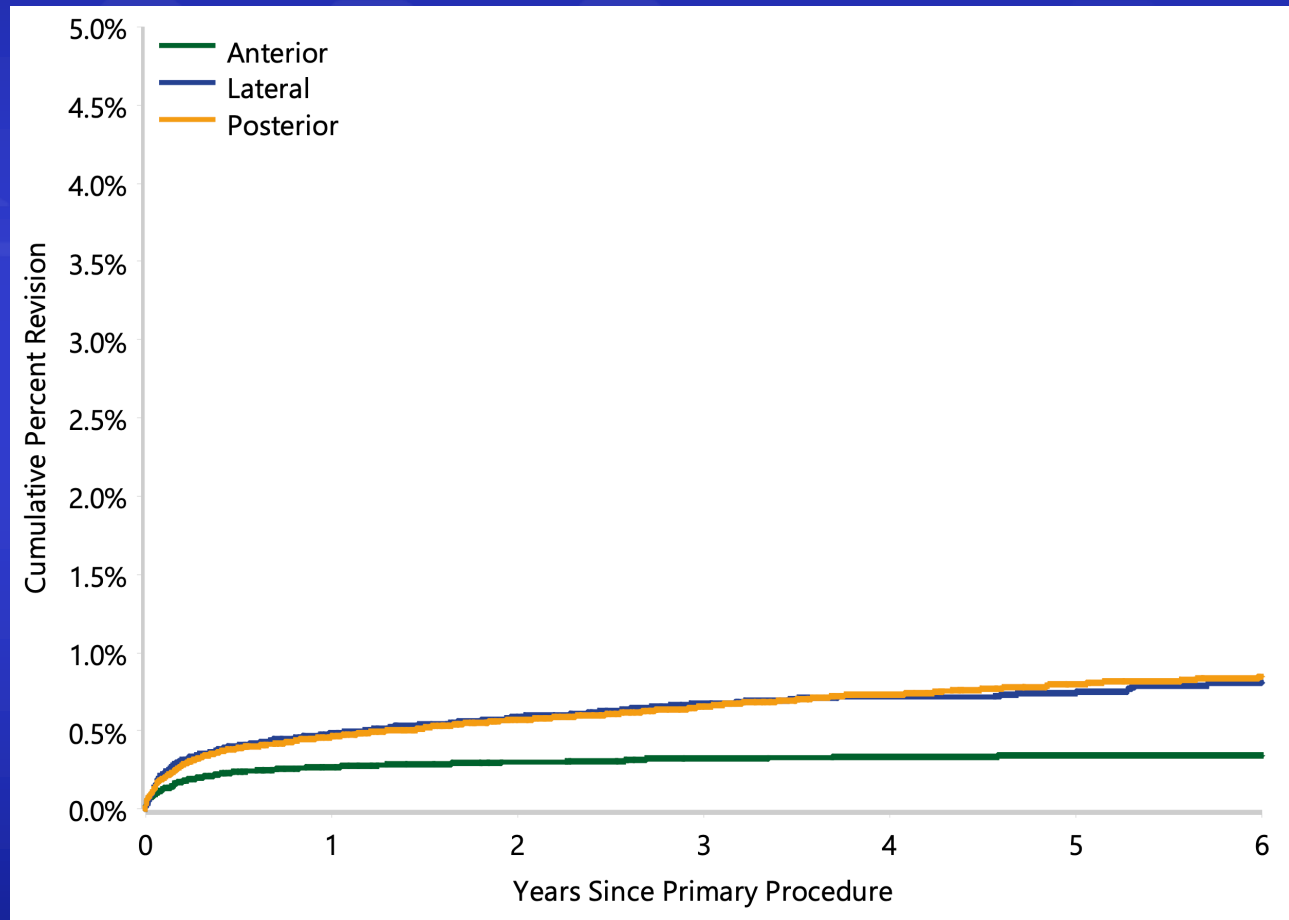


ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Dislocation

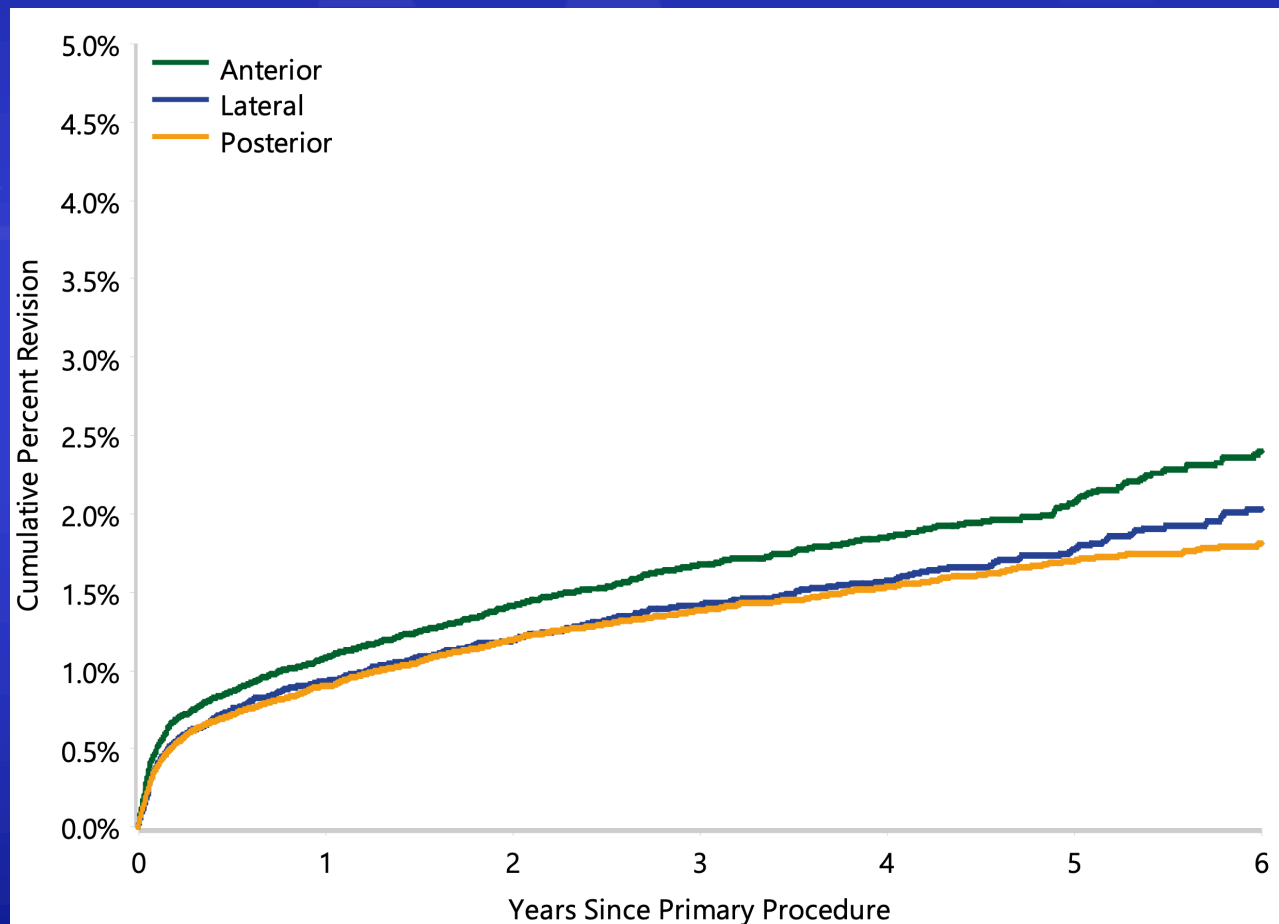


ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Loosening

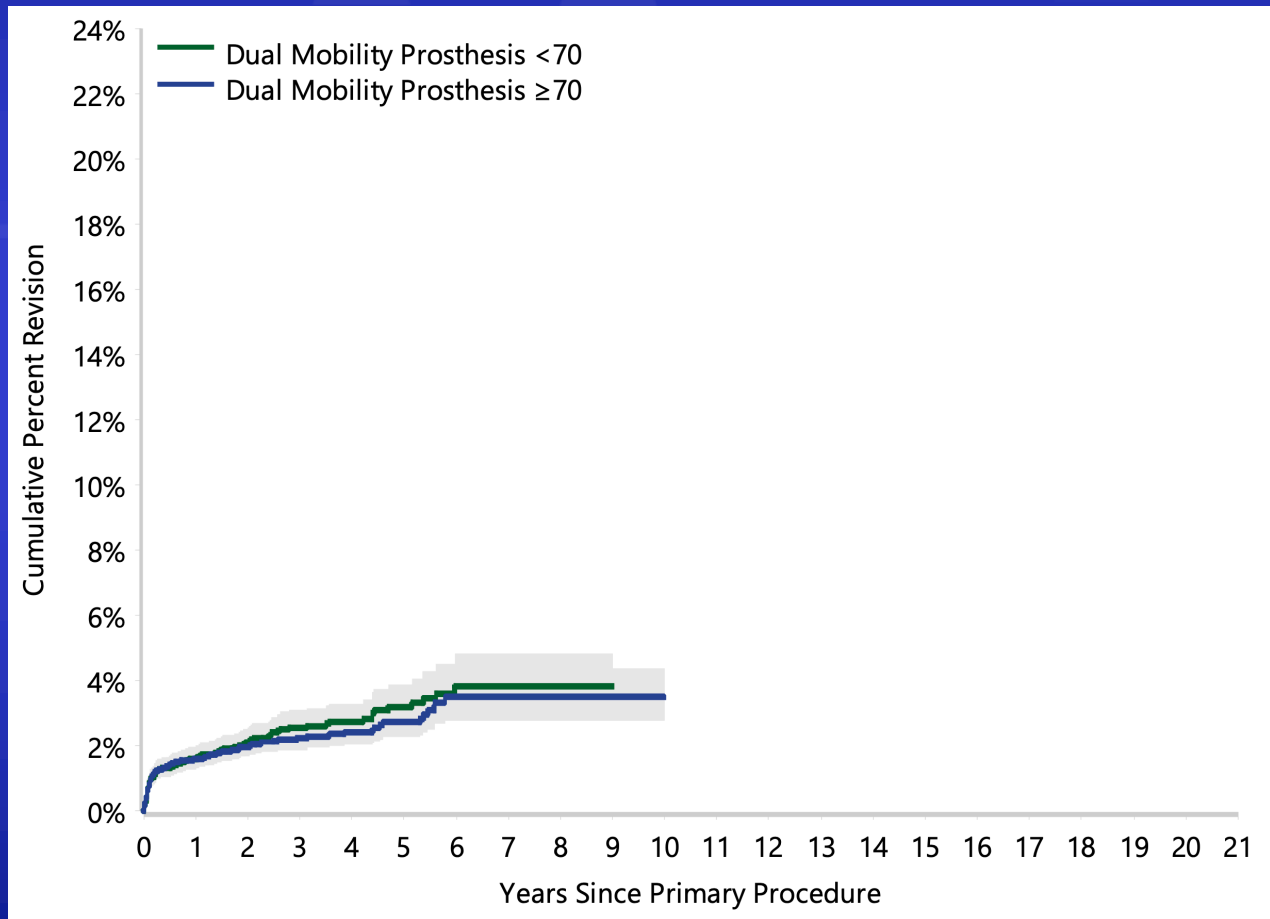


ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Dual Mobility - Age

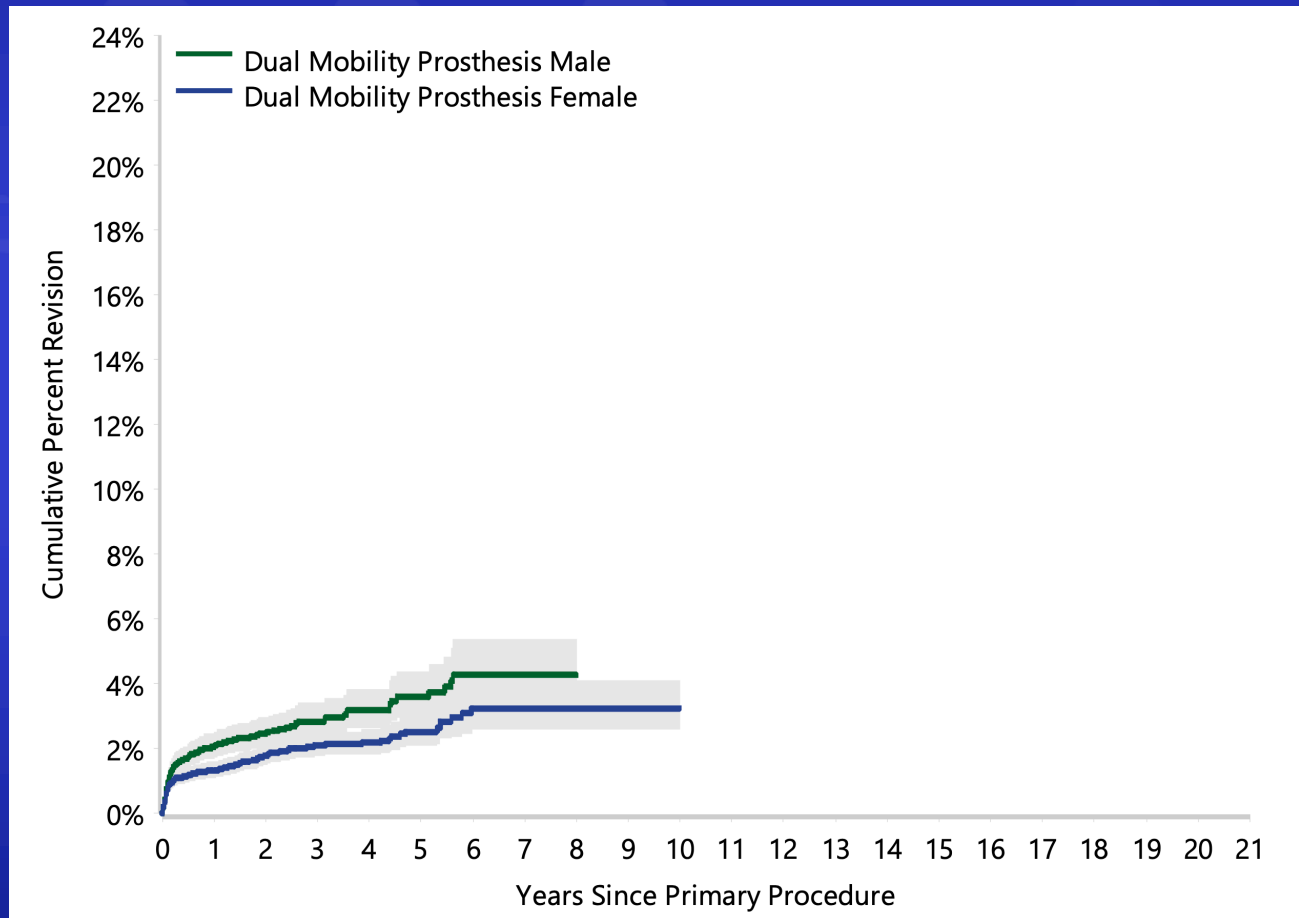


ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Dual Mobility - Gender



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Dual Mobility Data

- 21 198 cases
- 22.3% increase since 2020
- Lower rate of dislocation compared to all
- Mostly with non-cemented cups



Physiotherapy

- Dual mobility is more stable
- Up and about
- Minimal hip precautions
- Extra stability



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Dual Mobility

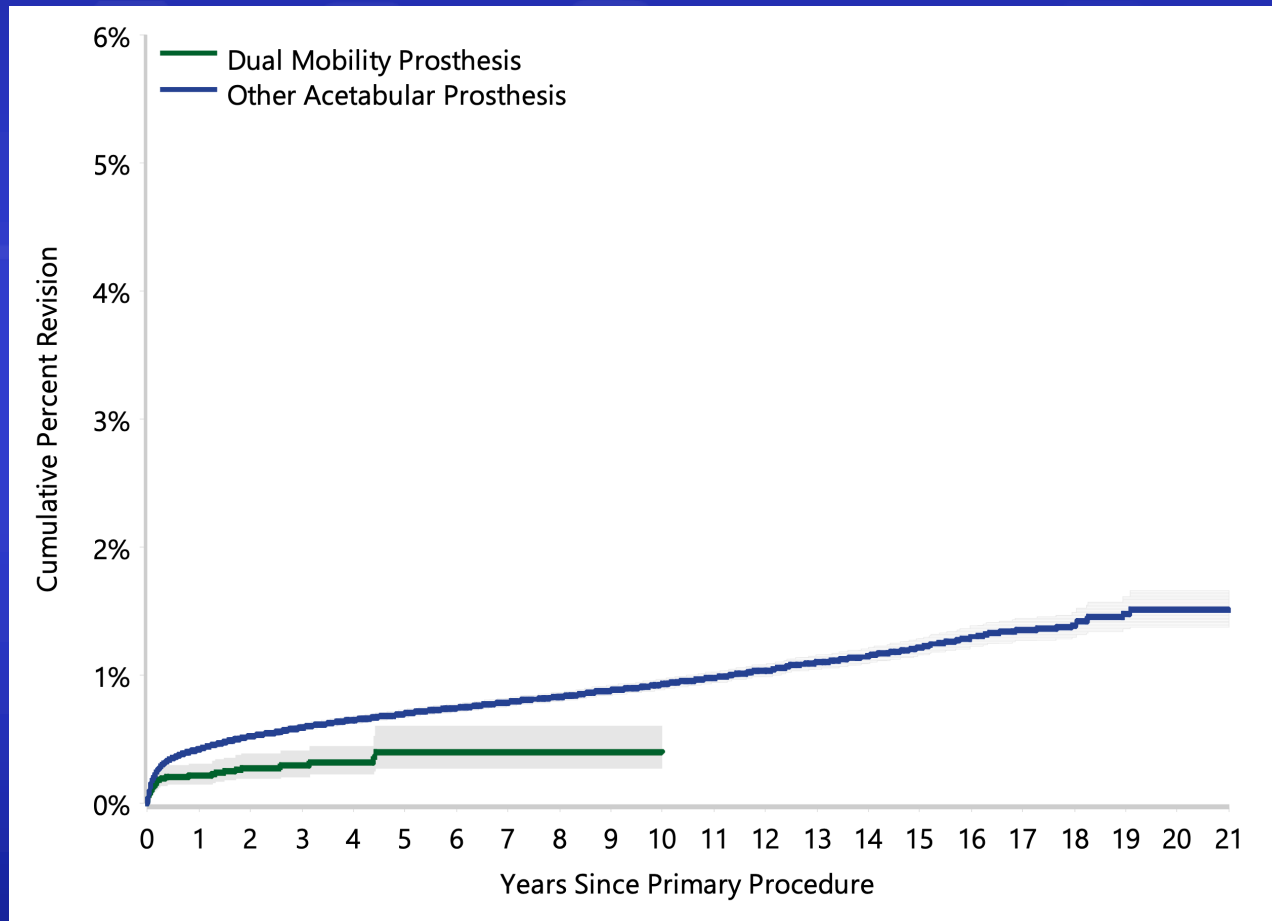


ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

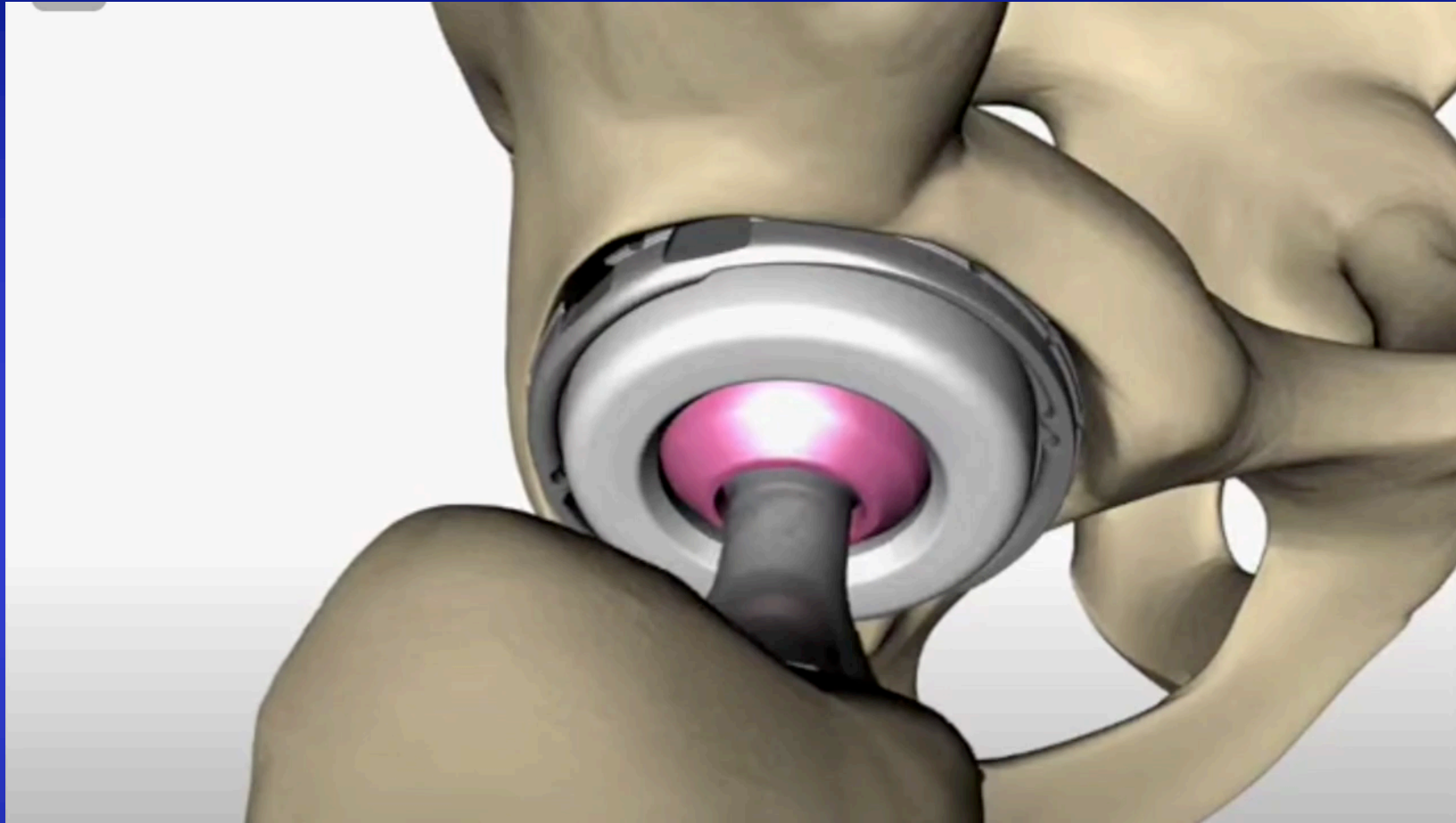
Increased Stability



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery

Dual Mobility

Increasing
Here to stay!!



ORTHOSPORTS

ORTHOPAEDIC & SPORTS MEDICINE SERVICE

Dr Andreas Loeffler
Joint Replacement & Spine Surgery