Evidence in focus

Poster summary

Gabor JA, et al. *European Hip Society Congress* (2018)*

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REDAPT◇ Revision Femoral Stem subsidence is typically minimal (<5mm) and stabilises within the first 3 months of revision total hip arthroplasty (rTHA)

There were no cases of subsidence >10mm or revision due to subsidence through at least 1 year of follow-up

Study overview

- A multicentre, retrospective study of 111 rTHAs using REDAPT Revision Femoral Stems in 108 patients
- Post-operative radiographs were evaluated for quantitative evidence of femoral stem subsidence for at least 1 year of follow-up
- Safety data and the occurrence of re-revision were also reported

Key results

- Stable fixation with subsidence <5mm was achieved within 3 months in ~90% of patients (Figure)
  - 10/111 stems (9.2%) showed radiographic subsidence >5mm within 1 year
  - All patients achieved stable fixation on last follow-up evaluation
  - No subsidence >10mm and no revisions for subsidence
- Few complications were reported:
  - 1 intra-operative complication (sciatic nerve injury)
  - No periprosthetic fractures
  - 30- and 90-day readmission rates of 13.6% and 12.6%, respectively
  - 1 femoral stem revision due to periprosthetic joint infection

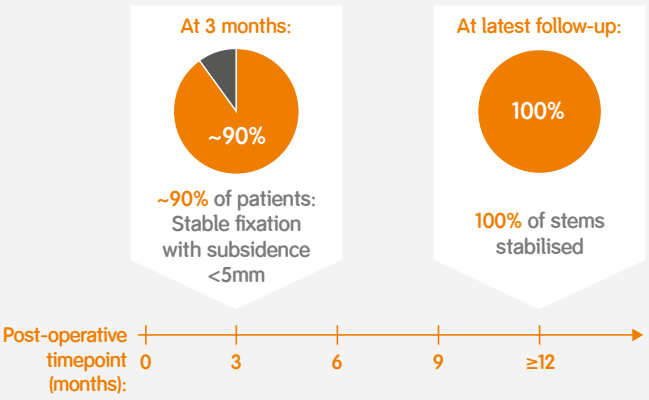

Figure. Key results for subsidence with REDAPT Revision Femoral Stem after rTHA.

Conclusion

Femoral subsidence with REDAPT Revision Femoral Stem was minimal (typically <5mm) and stabilised within 3 months of rTHA in the vast majority of patients. There was no subsidence >10mm and no stems required revision due to subsidence at latest follow-up. The authors conclude that nonmodular stems, for example REDAPT Revision Femoral Stem, are promising alternatives to modular femoral stems.

Study citation

*Gabor JA, Feng JE, Anoushiravani AA, et al. Short-term outcomes with a monolithic, tapered, fluted, grit-blasted, forged titanium revision femoral stem. Presented at: 13th Congress of the European Hip Society (EHS); September 20–22, 2018; The Hague, Netherlands.

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