## Evidence in focus

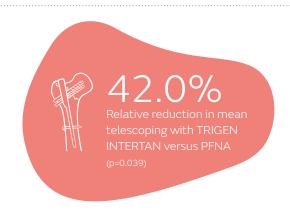
Publication summary: Imerci A, et al. Actα Orthop Belg (2018)\*

# **Smith**Nephew

Significantly lower mechanical complication rate with TRIGEN INTERTAN Intertrochanteric Antegrade Nail compared with Proximal Femoral Nail Antirotation (PFNA) for managing reverse intertrochanteric femur fractures

+ Plus points



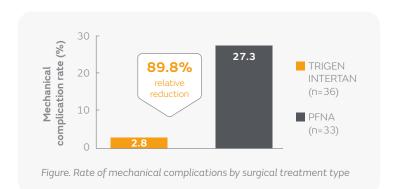


## Overview

- Retrospective, single-centre study comparing clinical and radiological results in 69 consecutive patients who received surgical treatment of reverse intertrochanteric femur fractures with:
  - TRIGEN INTERTAN (n=36; mean age 57.9 years)
  - PFNA (n=33; mean age 54.6 years; DePuy Synthes, Warsaw, IN, USA)
- Telescoping was measured from radiographs on postoperative day 1 and at final follow-up (minimum of 1 year), defined as the distance along the blade from the lateral border of the nail to the blade end

#### Results

- TRIGEN INTERTAN demonstrated a significantly lower rate of mechanical complications compared with PFNA (p<0.0001; Figure)
  - The incidence of second surgery due to mechanical failure was lower with TRIGEN INTERTAN compared with PFNA (2.8 vs 24.2%)
- Mean telescoping was lower with TRIGEN INTERTAN compared with PFNA (4.18 vs 7.21mm; p=0.039)
- Harris Hip Score recorded at 1 year was similar in both groups



## **Conclusions**

### Citation

\*Imerci A, Aydogan NH, Tosun K. A comparison of the InterTan nail and proximal femoral nail antirotation in the treatment of reverse intertrochanteric femoral fractures. Acta Orthop Belg. 2018;84(2):123-131.

Available at: Acta Orthopaedica Belgica

