

The Endoklinik classification of femoral bone stock loss. Grade 1 = Radiolucent lines limited to the proximal half of the cement mantle in combination with clinical signs of loosening. Grade 2 = Complete radiolucent lines around the cement mantle with endosteal erosion around the proximal part of the cement mantle resulting in widening of the medullary cavity. Grade 3 = Widening of the medullary cavity around the loose implant due to endosteal erosion and expansion of the femur. Grade $4 = \text{Gross destruction of the proximal third of the femur with involvement of the middle third, precluding the insertion of even a long-stemmed prosthesis.$

Mikhail et al., 1999¹³

van Biezen et al., 2000¹⁴

Kligman et al., 2002¹⁵

Ullmark et al., 2002¹⁶

Halliday et al., 2003¹⁷

Cabanela et al., 2003¹⁸

This study

Type of prostheses
Polished, tapered

Non-polished, not tapered

Polished, tapered

Polished, tapered

Polished, tapered

Polished, tapered

Polished, tapered

50 (50 pts)

57 (56 pts)

57 (54 pts)

33 (33 pts)

226 (207 pts)

TABLE E-1. Published Reports on Femoral Bone Impaction Grafting with a Mean or a Minimal Follow-up of Five or More Years No. of hips

Follow-up

5-7 years

3-7 years

3-7 years

4-7 years

5-13 years

3-9 years

8-13 years

89% at 6.3 years

91% at 9 years

Survival with aseptic

loosening as end point

100% at 5-7 years

100% at 5 years

95% at 5.1 years

96% at 5.3 years

99% at 11 years

100% at 6.3 years

100% at 9 years

Subsidence

5 mm or more

19% more than 5 mm

33% 5 mm or more

0% more than 5 mm

14% more than 5 mm

15% more than 5 mm

4% between 4 and 6 mm

22% more than 5