

MS-30[®]

CEMENTED HIP STEM

Studies in literature and registries* have shown that hybrid fixation to treat primary hip patients is more cost effective in older patients¹ and that cemented stems have lower early revision rates due to periprosthetic fractures than uncemented stems^{2,8}.

MS-30[®] is our polished, triple tapered stem, designed to meet the needs of those patients requiring a cemented stem.

30+
YEARS OF
CLINICAL
HISTORY



DESIGNED TO MATCH PATIENT ANATOMY:

- **6 standard and 6 lateral sizes** with **no changes on leg length** when moving from standard to lateral version
- **PMMA-Copolymer distal and proximal** positioners aim to facilitate proper stem centering limiting varus malpositioning



DESIGNED FOR LONG-TERM FIXATION:

- **Triple tapered design** intended to maintain the strength of the cement mantle
- **Smooth, mirror polished surface with rounded edges** helps proper force transmission through the uninterrupted cement mantle to avoid stress concentration

- **Lateral wing** helps to reduce stress in the calcar region and to provide rotational stability
- **Protasul[®]-S30** stainless steel helps for proper load transmission



DESIGNED FOR LONGTERM CLINICAL OUTCOMES:



Femoral revision rates
at 15 years

2.2% (patient at risk = 1037)
3.3% for other cemented stems in NJR⁶

3.1% (patient at risk = 878)
3.6% for other conventional hips in AOANJRR⁷



100%

10 years survivorship^{3,4}
(stem revision for any reason)
reported in the literature
n=60³; n=47⁴



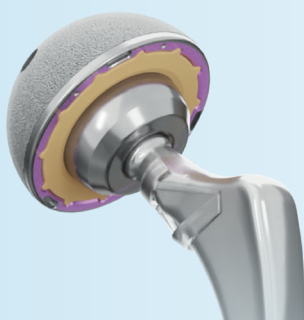
15A*
ODEP Rating⁵

Lowest frequency of reoperation due to periprosthetic fracture compared to other cemented polished stems, during the first five years after primary hip replacement in the Swedish Registry⁸.

Do you have patients to treat with hybrid procedures? Consider using the MS-30 cemented stem and G7 Acetabular System

2.0% cumulative revision rate at 5 years in AOANJRR⁹. (patient at risk = 111)

Scan to find out more:



REFERENCES

- 1) Agarwal N, To K, Khan W. Cost effectiveness analyses of total hip arthroplasty for hip osteoarthritis: A PRISMA systematic review. *Int J Clin Pract*. 2021 Feb;75(2):e13806. doi: 10.1111/ijcp.13806. Epub 2020 Nov 22. PMID: 33128841.
 - 2) Sheridan et al - International primary hip arthroplasty registry review: findings from current reports - *Irish Journal of Medical Science* 2023.
 - 3) Weber E, Olsson C, Kesteris U, Flivik G. Is a hollow centralizer necessary when using a polished, tapered, cemented femoral stem? *Acta Orthopaedica*, 2017; 88(4): 377-382.
 - 4) Brigstocke GHO, Mitchell PA, Rosson JW. Total hip arthroplasty with the MS-30 polished surface cemented stem: A single surgeon consecutive series study at 10 year follow-up. *Eur J Orthop Surg Traumatol*, 2014; 24: 63-66.
 - 5) Latest ODEP ratings can be found at www.odep.org.uk
 - 6) The data used for this analysis was obtained from the National Joint Registry ("NJR"), part of the Healthcare Quality Improvement Partnership ("HQIP"). HQIP, the NJR and/or its contractor, NEC Software Solutions (UK) Limited ("NEC") take no responsibility (except as prohibited by law) for the accuracy, currency, reliability and correctness of any data used or referred to in this report, nor for the accuracy, currency, reliability and correctness of links or references to other information sources and disclaims all warranties in relation to such data, links and references to the maximum extent permitted by legislation including any duty of care to third party readers of the data analysis. Full Summary Report HP_Stem_MS-30_All. 25/05/2024. 16:57 valid until 23 May 2025 and available at <https://www.zimmerbiomet.eu/en/products/ms-30-r-cemented-hip-stem>
 - 7) Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR), Automated Industry Report System (AIRS), ID No. 11387 for Zimmer Biomet Australia, MS 30 Total Conventional Hip, (Procedures from 1 September 1999 – 7 September 2023), Accessed 8 September 2023, AOA, Adelaide: 1-21. Full report available at <https://www.zimmerbiomet.eu/en/products/ms-30-r-cemented-hip-stem>
- AOANJRR is confident in the accuracy of the data included in this report, at the time it was provided. However, it was generated using an automated reporting system and has not been reviewed by the AOANJRR personell.
- 8) Swedish Registry Report 2022.
 - 9) Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR), Automated Industry Report System (AIRS), ID No. 11388 for Zimmer Biomet Australia, MS 30/G7 Total Conventional Hip, (Procedures from 1 September 1999 – 7 September 2023), Accessed 8 September 2023, AOA, Adelaide: 1-21. Full report available at <https://www.zimmerbiomet.eu/en/products/ms-30-r-cemented-hip-stem>. AOANJRR is confident in the accuracy of the data included in this report, at the time it was provided. However, it was generated using an automated reporting system and has not been reviewed by the AOANJRR personell.

