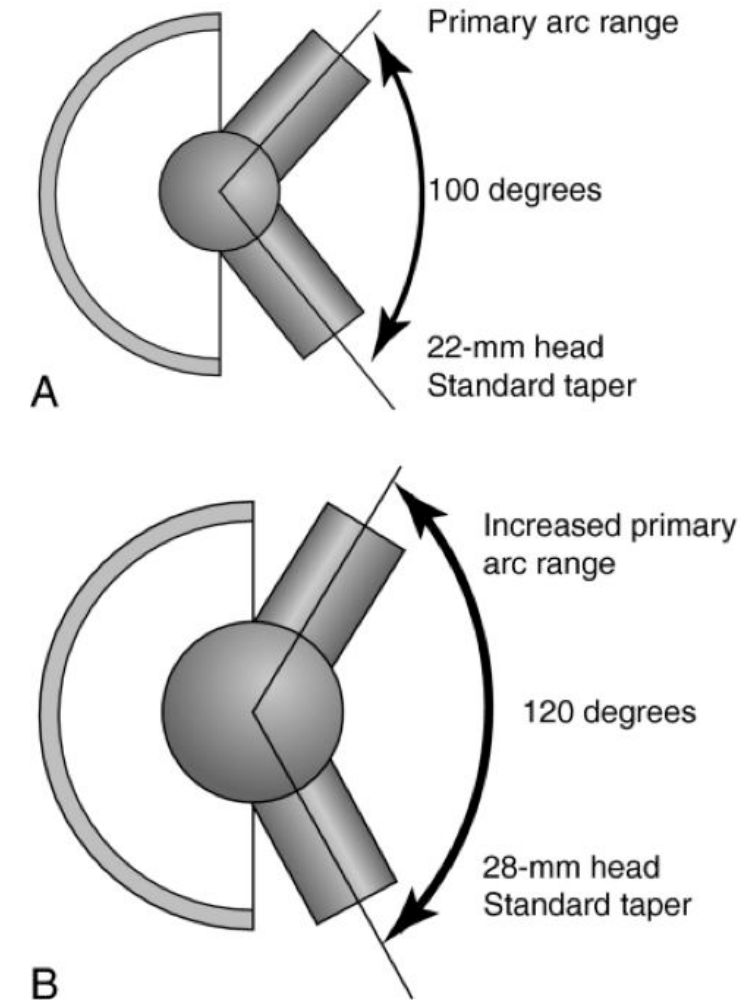
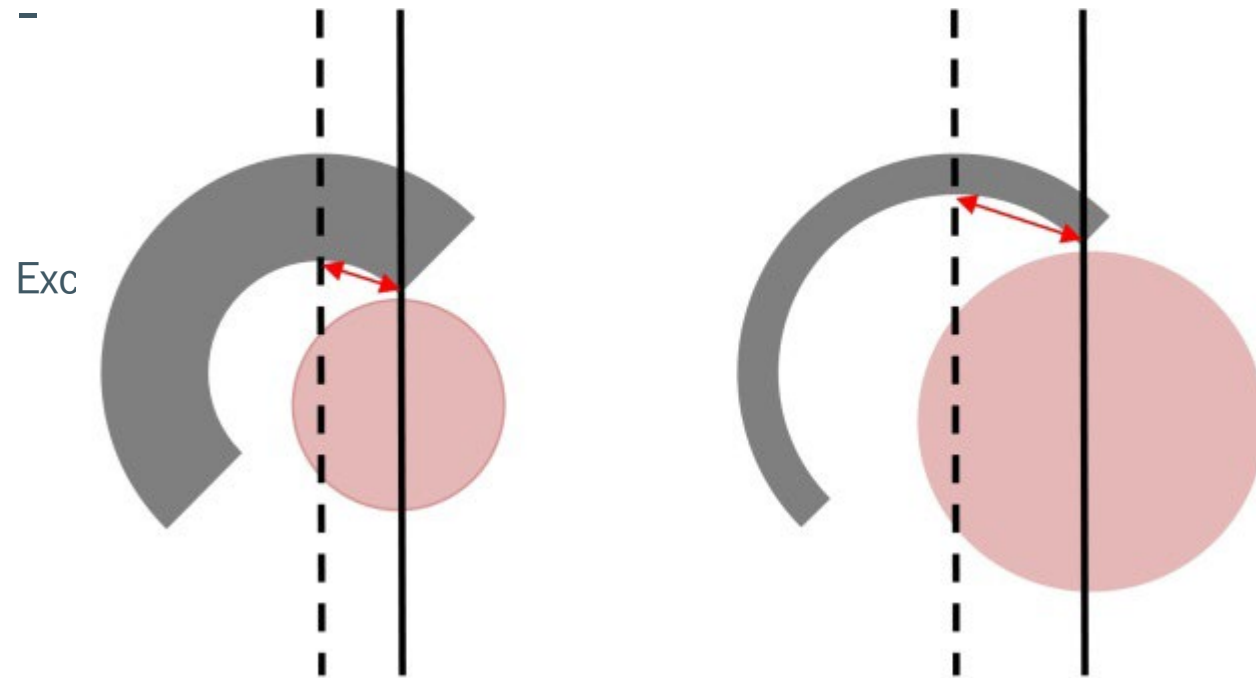


Large Heads vs. Dual Mobility

HOI/UCSF course
Michael Hunter MD
Sept 2025

Large femoral Heads



Large femoral Heads

-

> [J Arthroplasty](#). 2023 Jul;38(7S):S124-S130. doi: 10.1016/j.arth.2023.02.011. Epub 2023 Feb 13.

Large Femoral Heads and Select Dual-Mobility Bearings Are Associated With Reduced Instability in Contemporary Posterior Approach Total Hip Arthroplasty

Lauren I Pitz-Gonçalves¹, Evan R Deckard², R Michael Meneghini³

No difference if head size >40mm

Large femoral Heads

–

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Dual-Mobility versus Large Femoral Heads in Revision Total Hip Arthroplasty: Interim Analysis of a Randomized Controlled Trial

[Matthew T. Weintraub, MD^a](#) · [Anne DeBenedetti, MSc^a](#) · [Denis Nam, MD, MSc^a](#) · ... · [Ran Schwarzkopf, MD, MSc^c](#) · [P. Maxwell Courtney, MD^b](#) · [Craig J. Della Valle, MD^a](#) ... [Show more](#)

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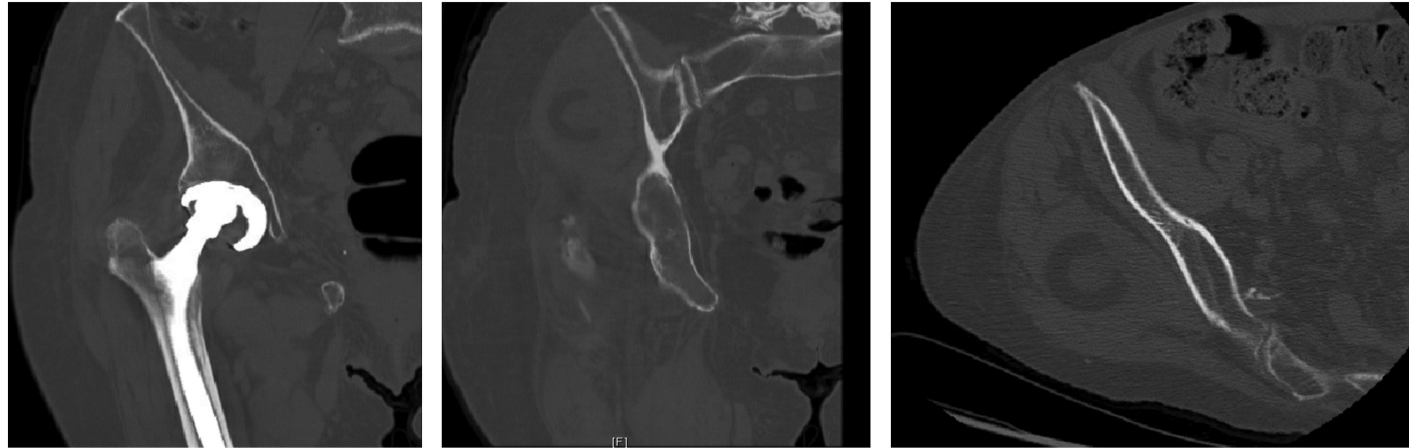
Reprints

Conclusion

Interim analysis of this randomized controlled trial found no difference in the risk of dislocation between DM and large femoral heads in revision THA, although the rate of dislocation was lower than anticipated and continued follow-up is needed.

Large femoral Heads

- No Intraprosthetic dislocations



Intraprosthetic Dislocation of Dual-Mobility Total Hip Arthroplasty: The Unforeseen Complication

[Shady Hermena](#)^{1,✉}, [Waleed Tawfeek](#)¹, [Paul Latimer](#)¹

Editors: Alexander Muacevic, John R Adler

Large femoral Heads

- No malseating of DM liner

> [Bone Joint J.](#) 2020 Jul;102-B(7_Supple_B):20-26. doi: 10.1302/0301-620X.102B7.BJJ-2019-1633.R1.

2020 Otto Aufranc Award: Malseating of modular dual mobility liners

Joey Romero ¹, Amanda Wach ², Scott Silberberg ¹, Yu-Fen Chiu ³, Geoffrey Westrich ¹, Timothy M Wright ², Douglas E Padgett ¹

Affiliations + expand

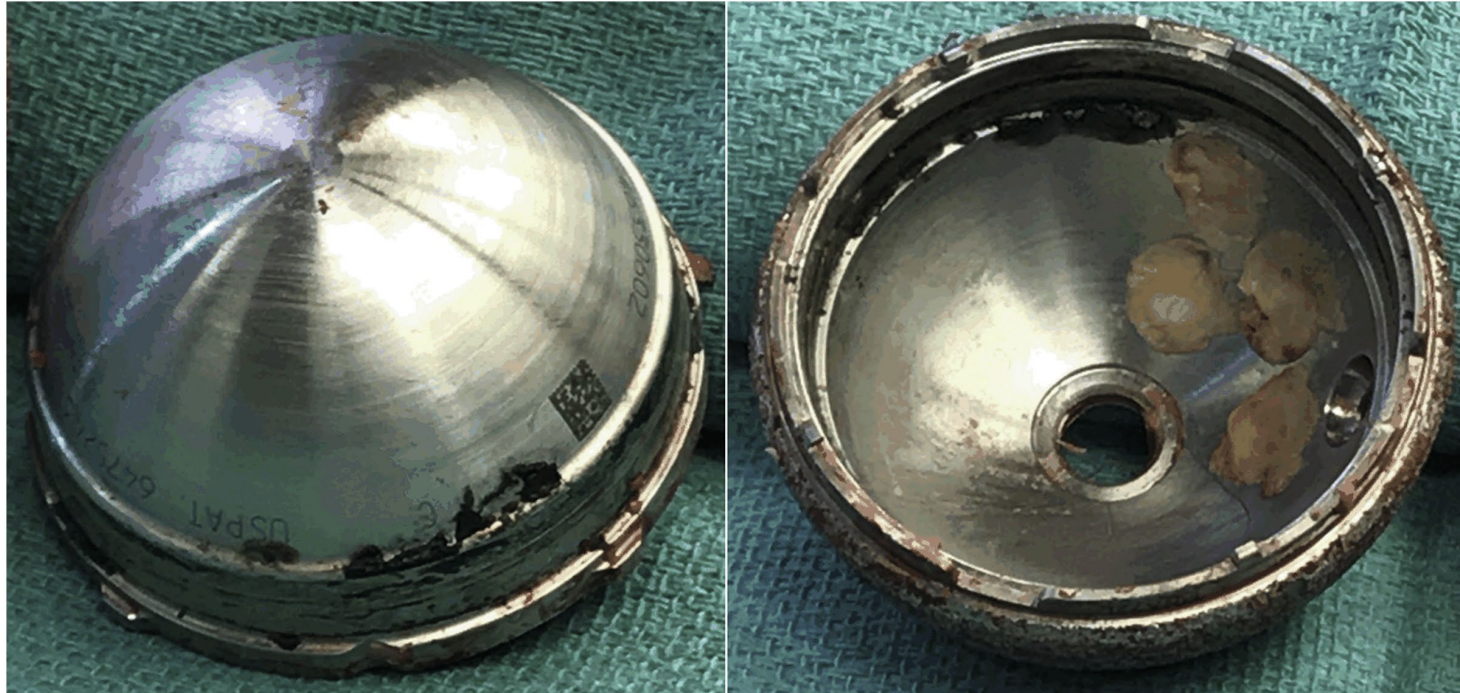
PMID: 32600207 DOI: [10.1302/0301-620X.102B7.BJJ-2019-1633.R1](#)

-



Large femoral Heads

- Less risk of corrosion
- DM relies on a cobalt chrome liner impacted into a titanium shell



Large femoral Heads

- Less concern over Psoas impingement
- Less likely to need open reduction if dislocation does occur



Summary

- Most revisions can accommodate $>40\text{mm}$ heads, therefor dual mobility is unlikely to make a large difference
- Risks of corrosion and increased wear rates aren't fully known yet
- Higher rates of impingement and intraprosthetic dislocation
- Risks of malseating liner with DM
- THEREFOR, large heads appear equivalent in most scenarios without associated complications and are my choice for revision surgery

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