



AB088. SOH22ABS155. Cement-in-cement revision for selected Vancouver B for proximal femur periprosthetic fractures

Cathal McCarthy, Joss Moore, Finbar Condon

Department of Orthopaedics, University Hospital Limerick, Limerick, Ireland

Background: The incidence of periprosthetic proximal femoral fractures is increasing with the increase in arthroplasty being performed as well as aging populations. Traditionally cement has been removed as part of revision. We describe a cement-in-cement technique utilising a well-fixed cement mantle. The advantages of this allow for a shorter operative time, reduction in risk of iatrogenic femoral fracture and reduction in blood loss.

Methods: This was a retrospective study reviewing 20 patients that underwent this technique for periprosthetic fracture. This novel technique involved reducing the fracture and the cement mantle with Dall-Miles cables, cementing a new stem into the pre-existing mantle and bypassing the fracture site with extramedullary fixation.

Results: All but one fracture united uneventfully. Six patients underwent subsequent surgery for complications. Three were for revision of the liner to a constrained liner for dislocation. One was for refracture at the fracture site, one was for stem pull out after an attempted reduction and one was for a femoral stem fracture.

Conclusions: This technique offers a successful operative

option that can allow for shorter operative times and a lower physiological insult in reducible periprosthetic proximal femur fractures with a stable cement mantle.

Keywords: Arthroplasty; cement; femur; periprosthetic; revision

Acknowledgments

Funding: None.

Footnote

Conflicts of Interest: The authors have no conflicts of interest to declare.

Ethical Statement: The authors are accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.

Open Access Statement: This is an Open Access article distributed in accordance with the Creative Commons Attribution-NonCommercial-NoDerivs 4.0 International License (CC BY-NC-ND 4.0), which permits the non-commercial replication and distribution of the article with the strict proviso that no changes or edits are made and the original work is properly cited (including links to both the formal publication through the relevant DOI and the license). See: <https://creativecommons.org/licenses/by-nc-nd/4.0/>.

doi: 10.21037/map-22-ab088

Cite this abstract as: McCarthy C, Moore J, Condon F. AB088. SOH22ABS155. Cement-in-cement revision for selected Vancouver B for proximal femur periprosthetic fractures. *Mesentery Peritoneum* 2022;6:AB088.