



SDI Review Form 1.6

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| Journal Name: | Advances in Research |
| Manuscript Number: | Ms_AIR_20640 |
| Title of the Manuscript: | FEMORAL NECK STRESS SHIELDING AFTER BIRMINGHAM MID HEAD RESECTION HIP ARTHROPLASTY - CASE REPORT AND LITERATURE REVIEW |
| Type of the Article | |

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

| | Reviewer's comment | Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
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| <u>Compulsory</u> REVISION comments | | |
| <u>Minor</u> REVISION comments | | |
| <u>Optional/General</u> comments | <p>Since short stem metal on metal prosthesis is out of market now, this manuscript does not hold any promise in enumerating the complications of such an implant.</p> | <p>Whilst commercial distribution of the BMHR has discontinued, the significance of stress shielding and neck thinning around this implant is of importance for two reasons. Firstly, the clinical outcome and radiographic appearances are of practical use in the guidance of recommendations for ongoing surveillance and management of patients managed with this device. In addition, stress shielding, proximal bone resorption around short stem implants and patient selection is of significance in the context of a growing trend towards the development of short length stem and neck-preserving arthroplasty implants. In the design of short stem femoral prostheses, consideration needs to be made with respect to design of features that may reduce the risk of prosthetic stress shielding and peri-prosthetic bone reabsorption.</p> |