

## Peer Review File

Article information: <https://dx.doi.org/10.21037/jxym-21-2>

Comment 1. Identify in the title that this is a 'retrospective cohort analysis'.

Reply 1: This has been rectified accordingly

Changes in the text: Page 1, line 2

Comment 2. Please clearly define all outcomes, diagnostic criteria in the methods.

Reply 2: This has been rectified accordingly

Changes in the text: Page 7, line 104

Comment 3. Describe how the sample size was reached, including any loss of follow-up and missing-data (how missing data were handled). Also consider a diagram to visualize the process.

Reply 3: This has been rectified accordingly

Changes in the text: Page 7 line 99

Comment 4. Describe any efforts to address potential sources of bias.

Reply 4: This has been rectified accordingly

Changes in the text: Page 7, line 110

Comment 5. 'largest sample size of 50 cases in Africa' presented on line 205 needs reconsideration. Please DO make sure a systematic search is done before making such a statement. There are over 100 hip arthroplasty (though not total hip arthroplasty) in a study from West-Africa ([https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6470119/pdf/264\\_2019\\_Article\\_4286.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6470119/pdf/264_2019_Article_4286.pdf)).

Reply 5: This has been rectified accordingly

Changes in the text: Page 13, line 196

Comment 6. Discuss the generalizability(from this hospital to Africa) of the results. May need consider conditions of other Africa areas.

Reply 5: This has been rectified accordingly

Changes in the text: Page 21, line 94