Reviewer’s report

Title: Hip stability after total hip arthroplasty predicted by intraoperative stability test and range of motion: a cross-sectional study

Version: 2 Date: 16 Sep 2018

Reviewer: Arkan Sayed-Noor

Reviewer's report:

Good article, few comments:

1. Is the study really prospective? If so, why considered for inclusion some patients who did not have intra-operative IR measurements.

2. The study is apparently underpowered. According to Peduzzi et al 1996, each included covariate in the regression needs 10 dislocations, so the study needs many more dislocations.

3. The authors need to mention how they chose the covariates included in the regression, e.g. as priori selection or another method.

4. The authors should remove their statement about the intraobserver reproducibility (3 patients !!!).

5. Mixing different diagnoses e.g. FNF, osteonecrosis, RA beside the major group of primary OA limits the validity of the study results.
Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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