Reviewer’s report

Title: Incidence and Predictors of Groin Complications Early after Coronary Artery Intervention: A prospective Observational Study

Version: 2 Date: 17 Apr 2019

Reviewer: Research Square

Reviewer's report:

"STATISTICAL REVIEWER ASSESSMENT:

Is the study design appropriate for the research question (considering whether the analyzed population accurately reflects the design and whether you see any problems with control/comparison groups, e.g., likely confounders)?

Yes - overall design, population, and control groups are appropriate

Are methodologies adequate and well implemented (considering whether assumptions are addressed and whether analyses are robust)?

Yes - methodologies are adequate and well implemented, assumptions are addressed, analysis is robust

Are the analyses adequately communicated (considering whether reporting details are adequate and whether figures and tables are well labeled and described)?

Yes - important reporting details are present, analyses are adequately communicated, figures and tables are well labeled and described

Does the interpretation accurately reflect the analyses without overstatement (considering whether limitations/bias are acknowledged and whether accurate descriptors, e.g., 'significant', are used)?

Yes - interpretation accurately reflects analyses, limitations/bias are acknowledged, accurate descriptors are used"
Could an appropriately REVISED version of this work represent a statistically sound contribution?

Yes - current version has sound statistics

STATISTICAL REVIEWER COMMENTS:

This is a resubmission, so the focus here is on the revised statistical reporting.

The inclusion of Figure 1 is helpful and appropriate.

The authors have continued to use a logistic regression which is not best practice but is acceptable provided they make it clear that ORs will be amplified wrt RRs.

The final point worth making is that there has been a misunderstanding about the term hierarchical. The authors mean this in the way that they have used model fitting within SPSS: not that patients are clustered within centres. To avoid confusion, the authors should drop the term. They already explain that variables were added in three blocks.

REQUESTED REVISIONS: "
Are the methods appropriate and well described? 
If not, please specify what is required in your comments to the authors.

Yes

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.

Yes

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:

Needs some language corrections before being published

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