Reviewer’s report

Title: Point-of-Care Measurement of Activated Clotting Time for Cardiac Surgery as measured by the Hemochron Signature Elite and the Abbott i-STAT: Agreement, Concordance, and Clinical Reliability

Version: 0 Date: 01 Jul 2019

Reviewer: Giuseppe Isgro

Reviewer’s report:

This is a very simple and well designed study about the ACT monitoring using two different devices. The results are in favor of one of the two devices, but according to the authors the key message is to monitoring ACT during cardiac surgery only with the same tool.

To the authors I ask if they noticed any difference regarding the preoperative anticoagulation or antithrombotic therapy, according to the fact that is irrelevant for the primary endpoint of this study, but I believe that this can add some more complete information overall.

If they evaluated this topic, I suggest to specify it.

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:

Acceptable

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