Reviewer’s report

Title Investigating the physiology of normothermic ex vivo heart perfusion in an isolated slaughterhouse porcine model used for device testing and training

Version: 1 Date: 16 Aug 2019

Reviewer: Darren Freed

Reviewer's report:

The authors have substantially changed the text of the manuscript and have altered the conclusions to more appropriately reflect the data presented. I still believe that this report suffers from an appropriate 'control' group making it difficult to assess the comparability of slaughterhouse hearts to other methods of donor heart procurement, or the comparability of the PhysioHeart system to other ex situ heart perfusion platforms and protocols.

With regards to the EKG data that has been presented, my comment was related to normal, non-slaughterhouse hearts, not to human hearts. In other words, a non-injured heart.

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.

No

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.

Not relevant to this manuscript
Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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I am the founder of Tevosol, Inc, a company involved in ex situ organ perfusion technology

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