Reviewer's report

Title: Effect of venovenous extracorporeal membrane oxygenation on the heart in a healthy piglet model

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Reviewer: Luiz Fernando Caneo

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To the Authors:

Congratulations to the authors!
This experimental study is well designed, well conducted and shows an interesting finding: cardiac cell injury in VV ECMO. The findings must be explained in other study and the investigation should be continued.

My questions are:

1. Have you found any other organ injury (cellular injury) after this 24h VV ECMO run?
2. What’s your next step/study?
3. Did you found cell edema in any muscle other than myocardium?

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.