Reviewer's report

Title: Carbon Dioxide De-airing in Minimal Invasive Cardiac Surgery, a new effective device

Version: 0 Date: 23 Oct 2018

Reviewer: Reda Al-Refaie

Reviewer's report:

I congratulate the authors for presenting this research work looking for a new device to minimize the air embolism during Minimally invasive cardiac surgery.

The work is well written with the following few comments for the authors:

1. Data presented in the article is confusing and this can be solved if the authors added one or 2 tables to summarize the comparison between the results of the new device to the control. This will draw the attention of the reader to the significance of the new device. Also presenting the data for clinical cases.

2. The authors can add pictures for the parts used for the new device Or at least draw how they used it in the surgical wound model or the clinical cases if the documented this by pictures or videos either in the surgical models or the clinical cases.

3. Some paragraphs are not refrenced e.g., page 4 from line 15-22 (Furthermore, CO2 has a 50% higher density than .......), page 10 line 2-4 (This device, which is used in open cardiac surgery.....).

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An article of importance in its field

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

Needs some language corrections before being published
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