Reviewer's report

Title: Strategies to prevent postoperative lung dysfunction after open heart operations

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Reviewer: Panagiotis Dedeilias

Reviewer's report:

Open heart surgery has many side effects to all organs and especially the lungs. In this very interesting paper the authors have reviewed all the latest knowledge regarding this subject. The inflammatory reaction following the extracorporeal circulation, the role of OPCAB surgery, the developments in the circuits used, the role of ultrafiltration, hemodilution, cardiotomy suction as well as the medications involved are well mentioned. The impact of continuous ventilation even while the cardiopulmonary bypass is on, and the ischemia/reperfusion injury phenomenon are also well analyzed. Finally the authors conclude with very essential strategies to prevent and minimize the postoperative lung malfunction that will be a very valuable key to all involved with open heart surgery. Undoubtedly this paper worths to be published.

Level of interest: An article of importance in its field

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