Reviewer’s report

Title: Cardiopulmonary bypass time is an independent risk factor for acute kidney injury in emergent thoracic aortic surgery: a retrospective cohort study

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Reviewer: Gustavo Judas

Reviewer’s report:

Congratulations on the study, it is very important to evaluate the impact of extracorporeal circulation specifically on aortic surgeries.

Regarding aortic diseases, it is important that the incidence of different aortic diseases in the studied population be reported, as well as a more detailed description of the repair technique, since they may directly interfere with renal perfusion. Another point of attention, especially in cases of dissection of the A-type aorta, is the involvement of the visceral arteries, especially of the renal arteries, which may directly affect the outcomes.

Clarifying these issues will certainly further improve the study, congratulations again for the work

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