Reviewer’s report

Title: Severe Systemic Inflammatory Response Syndrome in Patients Following Total Aortic Arch Replacement with Deep Hypothermic Circulatory Arrest

Version: 0 Date: 26 Jun 2019

Reviewer: Eduardo Rocha

Reviewer's report:

SIRS in postoperative aortic arch surgery is frequent and often lethal. The author presents a series with a significant number of patients and very interesting data. The ischemia / reperfusion process can trigger this inflammatory reaction. Some authors have noted a relationship of this inflammatory response exacerbated with the number of leukocytes and in the elevation of the lymphocyte / macrophages ratio.

Studying this data and relationship would enrich the article. The data studied by the author are generic and do not add much to current knowledge. Markers as TNF alfa, BNP and others would be useful to elucidate the whole process. I suppose the paper should be improved.

Level of interest
Please indicate how interesting you found the manuscript:

An article of importance in its field

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

Acceptable
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