Reviewer’s report

Title: Endothelial glycocalyx in acute care surgery – what anesthesiologists need to know for clinical practice

Version: 0 Date: 07 Jun 2019

Reviewer: Jongwook Song

Reviewer's report:

The authors provided an excellent review regarding the physiology and implication of EG injury in the critically ill or severe trauma.

I have only minor concerns.

Page 9 line 1-5; The concept that EG functions as a fluid reservoir is interesting. However, I'm afraid that the authors mention it too decisively. If EG degradation provide more circulating volume, why does hypervolemia also induce EG degradation? In addition, EG degradation will facilitate fluid leakage from intravascular to interstitial space.

Page 13, line 3; Is there enough clinical/experimental evidence that early administration of TXA preserve EG?

Could the authors describe more about albumin as a potential therapeutic agent for EG protection?

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

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