Reviewer’s report

Title: Severe inflammatory reaction induced by peritoneal trauma is the key driving mechanism of postoperative adhesion formation

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Reviewer: S Demirbag

Reviewer’s report:

I reviewed the manuscript which entitled ‘Severe inflammatory reaction induced by peritoneal trauma is the key driving mechanism of postoperative adhesion formation”. Author had been evaluated importance of surgical trauma for development of adhesion formation and suggested the tissue drying and open incision triggered severe inflammatory reactions as a key factor. However this results are not new. It was known that open surgery increases the post operative adhesion formation and also was known open surgery results in severe inflammatory reactions. I have some basic questions about the study?

1-What is the tissue drying biologically (what happens at the dried tissue?)

2-Why did you use the only some part of Leach adhesion scoring system what are the type and total adhesion scores of the groups?

3-Do you have tissue or blood cytokine levels (IL-6,8,10 or VEGF, TNF-alpha .... etc) to explain the molecular mechanism of your results?

4- The manuscript should be written more clearly.

Level of interest: An article of insufficient interest to warrant publication in a scientific/medical journal