Reviewer’s report

Title: The effects of ibuprofen on the physiology and survival on the rabbit endotoxic shock

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Reviewer: Prof Gordon Bernard

Level of interest: A paper whose findings are important to those with closely related research interests

Advice on publication: Accept after discretionary revisions

Celik et al., have performed a classic set of experiments in rabbits examining the effects of ibuprofen on a septic shock model in rabbits. The experiments are properly designed and controlled and suggest that ibuprofen may be of value in the (pre?)treatment of septic shock in humans.

Concerns: While the experimental design, report and interpretation of the results is sound, I wonder why the authors chose to study this agent in this model. Of course, I am very interested in the effects of ibuprofen, but the model is strikingly similar to many existing ibuprofen studies in very similar models, with strikingly similar results, many of which are referenced in the authors report. So I ask:

1 - What new information were these investigators seeking?
2 - How does this work contribute to the literature (other than confirming the results of others)?

Minor points:
1 - Table 1 - a mean respiratory rate of 473 is reported. This surely must be an error.
2 - English grammar and syntax errors should be corrected.

Competing interests:

None declared.