

Dear Reviewers,

Many thanks for your comments and suggestions. Please see below addressing each reviewer's comments in turn.

Reviewer 1: It is an interesting and well-written Review article highlighting current aspects.

Our response: Thank you. No changes have been made based on this reviewer's comments

Reviewer 2: This is a thorough review on ERAS. However, there are a significant number of consensus reviews, reviews, recommendations, guidelines, and I would like the authors to point out what is really new in their review.

Our response: This review is new from the aspect that it brings together all the concurrent ideas about ERAS and introduces the new concept of using technology within this framework to improve patient experience and outcomes. Although technology is gradually being used within healthcare environments, this paper is urging the implementation of sensor technology within an enhanced recovery programme allowing monitoring of patients prior to surgery, assessing operative fitness, and in the post-operative period, assessing return to functional recovery. Using the technology also helps to overcome some of the current challenges within ERAS, i.e. measurement of patient outcomes and ensuring compliance with ERAS protocol. Again we are suggesting in this review using sensor technology to help overcome these barriers and so enhance the ERAS ideals further. We have now highlighted this aspect more clearly under the 'Future directions' heading of the manuscript.

Reviewer 3: The authors indicated current research insights and future direction of ERA. This manuscript is very interesting and well written. However, I feel there are some problems in this article. (1) Author should indicate a new additional and future protocol of ERAS in Table, if possible. (2) In title, "Enhanced recovery after surgery ((ERAS): current research insights and future. Enhanced recovery after surgery" should changed to "Enhanced recovery after surgery ((ERAS): current research insights and future."

Our response: We have added a table highlighting additional ERAS elements using sensor technology that could be applied to specialty specific ERAS protocols. Our title is Enhanced recovery after surgery (ERAS): current research insights and future direction.

Reviewer 4: Dear Authors, I wish to congratulate on your article on ERAS, since I found it interesting, well written and amply documented. I think it is particularly important to address also future directions, in particular the possibility to monitor physical activity as a means to motivate patients in the pre and postoperative period. I recommended publication without changes.

Our response: Thank you. We have addressed the idea of motivating patients pre and post operatively and discussed using sensor technology to monitor this. We have not made any changes based on this reviewer's comments.

Yours sincerely

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