

## Peer Review File

Article information: <https://dx.doi.org/10.21037/aoj-23-55>

Comment 1: Suggested corrections: improve the title.

Reply 1: The title has now been improved to provide additional clarity on the subject of the paper. This is reflected in the newly submitted revisions.

Changes in the text: “Effect of Anti-Inflammatory Treatments on Patient Outcomes and Concentrations of Inflammatory Modulators in the Post-Surgical and Post-Traumatic Tibiofemoral Joint Setting: A Narrative Review”

Comment 2: In some parts of the text you mention knee traumatic, in others you don't. In the objective of the abstract you mention knee traumatic. When it's in the objective, it doesn't mention the knee. Revise this or you're talking about general traumatic or knee traumatic. Revise this or you're talking about general traumatic or knee traumatic. If you talk about treatment after knee traumatic, it should be mentioned in the title and objective, to close your research and leave no gaps.

Reply 2: Thank you for this comment. This has been amended to clarify traumatic knee settings where appropriate. Specifically, this has been added to the title and objective of the paper, as well as further explanation in the abstract. This has been done to ensure that the traumatic knee setting is the focus of this paper, rather than general traumatic.

Changes in the text:

- Title: Effect of Anti-Inflammatory Treatments on Patient Outcomes and Concentrations of Inflammatory Modulators in the Post-Surgical and Post-Traumatic Tibiofemoral Joint Setting: A Narrative Review
- Abstract, line 37: they can affect patient and objective outcomes following acute knee injury or surgery.
- Abstract, line 44: post-traumatic and post-surgical tibiofemoral joint settings at reducing inflammation and improving patient outcomes.
- Objective, line 77-78: to accurately summarize the effects of anti-inflammatory treatments in post-traumatic and post-surgical tibiofemoral joint settings,
- Conclusion, line 481-483: post-traumatic and post-surgical knee settings that have demonstrated efficacy in improving clinical outcomes.

Comment 3: You should also mention the terms you used in MeSH when you did your search so that it's clearer.

Reply 3: Thank you for this recommendation. This has been amended in the manuscript and is best demonstrated in Table 1. This table has been revised to provide a more thorough explanation of the methodology of the literature review for this paper.

Changes in the text: Line 814-841: The table describing the search methods of the paper has been edited and can be seen below and in the manuscript for review.

Table 1. The search strategy summary

Items	Specification
Date of Search (specified to date, month and year)	5/10/2023
Databases and other sources searched	MEDLINE, Cochrane Database of Systematic Reviews
Search terms used	MEDLINE: “knee” OR tibiofemoral joint: AND “anti-inflammatory”; Cochrane Database of Systematic Reviews: “anti-inflammatory” AND “knee”
Timeframe	January 1970-May 2023
Inclusion and exclusion criteria	Full text peer reviewed articles clinical trials, animal studies, observational studies, and laboratory studies in English were included for review; single case studies were excluded
Selection process	Titles and abstracts were independently reviewed by two authors (CO and MK), consensus obtained by reviewing full text