

## PEER REVIEW HISTORY

BMJ Open publishes all reviews undertaken for accepted manuscripts. Reviewers are asked to complete a checklist review form and are provided with free text boxes to elaborate on their assessment. These free text comments are reproduced below.

### ARTICLE DETAILS

#### Title (Provisional)

Determining the effect of seminal plasma supplementation on sperm motility in males with asthenozoospermia: a systematic review protocol

#### Authors

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### VERSION 1 - REVIEW

Reviewer	1
Name	Hekmatdoost, Azita
Affiliation	Shahid Beheshti University of Medical Sciences, National Nutrition and Food Technology Research Institute, Faculty of Nutrition and Food Technology
Date	15-Jun-2024
COI	None

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This is the protocol of a systematic review for assessment of the effect of seminal plasma supplementation on sperm motility in males with asthenozoospermia. The protocol is well written; however, the authors can use other related papers to justify their study such as:

DOI 10.1111/and.12624

DOI 10.1080/07315724.2014.936983

DOI 10.1093/ajcn/nqaa124

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Reviewer	2
Name	Banihani, S.
Affiliation	Jordan University of Science and Technology, Medical Laboratory Sciences
Date	22-Jun-2024

**COI** **None**

This work is weak and not scholar! The authors lack the ability to write and construct this work clearly. Many important elements in a systematic review are not properly integrated. The discussion is very short!!

**Reviewer** **3**  
**Name** **Petyim, Somsin**  
**Affiliation** **Mahidol University, Department of Obstetrics and Gynecology**  
**Date** **29-Jun-2024**  
**COI** **I do confirm that I have no any competing interest in this case.**

The topic is very interesting . The protocol seems appropriate. However, more detail regarding the seminal plasma should be added. In publications inclusion and keyword, other parameters such as oligo asteno teratozoospermia would be considers to review.

## VERSION 1 - AUTHOR RESPONSE

### Reviewer 1:

This is the protocol of a systematic review for assessment of the effect of seminal plasma supplementation on sperm motility in males with asthenozoospermia. The protocol is well written; however, the authors can use other related papers to justify their study such as:

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### Response:

Thank you for your suggestion to cite your work. Upon careful consideration, we have determined that the suggested publications, while valuable, are not directly relevant to the specific focus of our current study. We believe our citations best represent the scope and context of the research presented. However, we truly appreciate your input and the opportunity to review your contributions.

**Reviewer 2:**

This work is weak and not scholar! The authors lack the ability to write and construct this work clearly. Many important elements in a systematic review are not properly integrated. The discussion is very short!!

**Response:**

Thank you for your feedback and comments on our work. We would like to clarify that the manuscript submitted is a protocol for an ongoing systematic literature review. As such, it focuses on outlining the methodology and approach for the review, and not all elements of the final systematic review are included at this stage.

Regarding the length of the discussion, it is intentionally concise, as this is a protocol and not the final review. The comprehensive discussion, along with the full integration of key elements, will be presented in the final review once the data has been fully collected and analyzed. We appreciate your understanding and hope this clarification addresses your concerns.

**Reviewer 3:**

The topic is very interesting . The protocol seems appropriate. However, more detail regarding the seminal plasma should be added. In publications inclusion and keyword, other parameters such as oligo asteno teratozoospermia would be considers to review.

**Response:**

Thank you for your positive feedback and thoughtful suggestions. We have carefully considered your comment and have expanded the section on seminal plasma to provide additional detail (lines 81 – 86), ensuring that this important aspect is more thoroughly addressed.

Regarding your suggestion to include other sperm parameters such as oligo-, terato-, and asthenozoospermia, we appreciate your input. However, the focus of our review is specifically on how seminal plasma supplementation affects sperm motility, which is

why we have limited the scope to asthenozoospermia. By narrowing the focus, we aim to provide a more in-depth analysis of this particular condition.

We hope this approach clarifies our rationale, and we appreciate your understanding.