Reviewer's report

Title: Psychosocial and career outcomes of peer mentorship in medical resident education: A systematic review protocol

Version: 0 Date: 01 Jun 2017

Reviewer: Doris Stoeckl

Reviewer's report:

Thank you for being able to review this very interesting systematic review protocol with the title: 'Psychosocial and career outcomes of peer mentorship in medical resident education: A systematic review protocol.' The topic of this review is to my opinion extremely important, because junior doctors need more assistance and help, but what help exactly needs to be scientifically examined. This is described nicely in the Background section. The manuscript shows that the authors did successfully put a lot of effort in designing the study protocol.

It is written in excellent English.

Questions:

1. In Pubmed there are some recent reviews listed:


Please explain if the topic of your review is already discussed there? Or does your systematic review provide new information?

2. In the background section:

It would help me if you could discuss an example (review) of another profession where peer mentoring is successful/not successful and why this can be compared with junior doctors?
Is peer mentoring more common in other professions? Is it implemented later in the medical field? Or is data lacking in other professions as well?

3. An interesting question which maybe can be answered with this review:

Is there data on influences of peer mentorship on the career perspective of resident doctors? You included burnout as one possible outcome, which can be influenced by peer mentorship. And burnout can cause, that the resident doctor is unable to continue working, or that they start working in a different field (e.g. pharmaceutical companies or other jobs). And this has an economic impact as well. Would you look for these results too?

4. In table 1 is the search strategy described. I think it is quite complete. But thinking of the education system for junior doctors in the United Kingdom, they used to be called in their first year 'junior house officer', than 'senior house officer', followed by 'registrar'. Afterwards they have finished their training and are specialists. The training systems for doctors worldwide are quite different, but the UK is an example for other countries, who adapted this system, so I would think about including these terms as well.

5. Please describe exactly how you define medical resident, because due to the different worldwide education systems, you need exact definitions, which were not absolutely clear to me after reading this manuscript.

**Level of interest**
Please indicate how interesting you found the manuscript:

An article whose findings are important to those with closely related research interests

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable
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