Reviewer's report

Title: Effectiveness of interprofessional education by on-field training for medical students, with a pre-post design

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Reviewer: Margaretha Wilhelmsson

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In Italy, recently a few Universities have included IPE in core curricula.

The aim of this study was to measuring improvements in attitudes towards teamwork among medical students in one University in Italy.

How was teamwork defined?

Where the percipients in the team from the same profession or were they from different professions? And were they teamworking or just working together?

The intervention in the curricula were 10 hours theoretical training in IPE and 40 hours clinical setting, where the students were asked to observe relationships between professional teams and compare the observations with the result from the theoretical training. The observed variables were; the working environment, knowledge of own professional competence, and relationships with various health professionals and the patients.

How did you choose the three observational grids from the references? Were the students involved in this process? Were the student able to choose references or had the lectures chosen the literature?

Were the students asked to write down their experiences? Or were the students asked to reflect the experiences before the review? Asked about what they have learned, evaluating the IPE curricula? Could the scenarios in the review situation vary with the students experiences? Differences in the learning/training situation?

The results are interesting and due to others. Although this is a beginning of an introduction of IPE in Italy, probably the most interesting result is the negative one.

I would have liked the authors, to focus the result that students with a doctor or healthcare workers in the family did not change the attitudes to the need of teamwork with other professions or understand other professions values. This issue is a big challenge to the society.

Allover

Defining teamwork is central and even more important is, have you measured teamwork/collaboration in teams or interprofessional teams in your study? I also agree with the authors that attitudes could be influenced of other factors and by active take part in multiprofessional teamwork and using the instrument
“Readiness for Interprofessional Education” you could determine the student’s readiness for interprofessional learning, perhaps more relevant then measuring attitudes.

The questions in the review are ment to improve the article!

**Level of interest:** An article whose findings are important to those with closely related research interests

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

'I declare that I have no competing interests’