Reviewer's report

Title: Development and Preliminary Psychometric Properties of a Well-Being Index for Medical Students

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Reviewer: Horng-Shiuann Wu

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Manuscript Title: Development and preliminary psychometric properties of a Well-Being Index for Medical Students

Comments:

This paper provides a very well written report using rigor procedures to develop a new instrument to measure medical students' welling-being. A great improvement is shown in this revision.

Minor concerns:

1. In the method section, before going into the details of stages of the study, it will be helpful to briefly describe the overall design.

2. Please give references for the nominal group technique (p.5).

3. On p.7, the paragraph describing the selection of the items from the Maslach Burnout Inventory is unclear (the findings were presented on p.12). What were correlated? Were the individual item score of the Maslach Burnout Inventory each correlated with the total score and the 2 subscale scores of Maslach Burnout Inventory? Please clarify.

4. On p.12, authors concluded “group members endorsed the three-dimension construct – emotional exhaustion, depersonalization, and low personal accomplishment - of burnout”…. No further discussion on “low personal accomplishment.” Also, “low personal accomplishment” is not included in figure 1. Please clarify.

5. Authors reported that the Cronbach’s alpha was 0.68 for MSWBI. Since all response options of MSWBI are a “yes/no” option, the Kuder-Richardson formulas (KR20), for dichotomous responses, will be a more legitimate approach to estimate internal consistency of the scale. Internal consistency is concerned with the degree to which a set of items designed to measure the same construct are correlated to each other, which is not intended to support “the multidimensional construct of the instrument” as described on p.15.

6. Please provide the rationale for using “item by item percent pair-wise agreements” (p.17) instead of inter-item correlations to examine item redundancy. Please also provide references for this methodology.
Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:
I declare that I have no competing interests.