

Reviewer's report

Title: Psychometric properties of questionnaires evaluating health-related quality of life and functional status in polytrauma patients with lower extremity injury

Version: 1 **Date:** 4 May 2010

Reviewer: Ali Montazeri

Reviewer's report:

This study examines psychometric properties of three questionnaires in a sample of polytrauma patients. In general the paper is interesting but there are problems with this submission and should be dealt with before its publication:

Major compulsory revisions

1. In the Methods we need more explanation about each instrument, their subscales and direction of scores, etc.
2. It seems that the authors misunderstood the construct validity. At present they reported on discriminant validity or known group comparisons. This should be clarified and corrected.
3. The last paragraph in the Results where the authors report on univariate and regression analyses is unclear and confusing. This part should be revised and rewritten and presented in a better way so that the reader could follow the results.
4. Abstract and Discussion should be revised based on the above recommendations.

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

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'