

Comments and Responses from Reviewer 1

The author would like to thank the reviewer for dedicating time to review the manuscript and expresses gratitude for the invaluable comments provided by the reviewer. These comments have significantly enhanced the manuscript by offering valuable insights and addressing issues that might not have been clear to the reader. Below, the reviewer's comments are presented in blue, and the author's responses are highlighted in red. The Manuscript has been updated to reflect the reviewer comments where changes are highlighted with red.

Title: Occupational safety and health should be written instead of occupational health and safety. From engineering point of view, we look more on safety.

The title is updated according to the reviewer recommendations.

Abstract: the major specific findings should be mentioned in the abstract.

The abstract is updated according to the reviewer recommendations.

Introduction: Introduction section should mention about women occupational safety and health issues related to anthropometric data. how they are related. Should cite most recent references.

Additional references have been incorporated to address the recommendations made by the reviewer, as outlined in the introduction.

Methods: provide information on the measures taken to address potential sampling bias in your study? As this is a measurement then error analysis would validate your results. ISO15535 the standard for anthropometric database gives guidelines to calculate the percentage of relative accuracy of the collected data.

ISO 15535 standards were adhered to, as suggested by the reviewer, and relative accuracy was calculated to address the sampling bias. The results are presented in a new subsection (2.2 Sample Size).

Results: Tables 1 to 4 should add the following measurements

*Standard error of the mean (SEM) measures how well the mean of the sample in the study estimates the mean of the entire population.

*The coefficient of variation (CV) measures the variability of the mean.

*BMI (Body Mass Index), RSH (Relative Sitting Height), and BSA (Body Surface Area), need to assess which reflects the overall health status of a targeted population.

All recommendations provided by the reviewer have been incorporated.

Table 7 compares Saudi Women with other Asian women. Why only Asian need to clarify. It will be better comparing the results with few Asian and some European and some from other Arab countries like Oman, Egypt.

Appreciation for highlighting this aspect. Comparisons for all the populations recommended by the reviewer have been included.