Reviewer’s report

Title: The correlation between postural control and upper limb position sense in patients with chronic ankle instability

Version: 1 Date: 17 March 2015

Reviewer: Smadar Peleg

Reviewer’s report:

This paper is the outcome of a combination between scientific curiosity, clinical experience and original thinking aiming to improve our understanding about central neural control of proprioception.

The article is well written and the use of tables and figures is in the right amount improving our understanding of the methods applied.

Minor essential revisions detailed below:

1. Legends to figures: they include headlines with no further information. Please add a brief explanation (in brackets).

2. Results: Correlations between body sites: the authors present the results of Pearson’s correlations between four body sites. Please note:
   a. Table 3 not table 4 (page 9, line 181)
   b. When presenting p value please state p<0.05, p<0.01 or p<0.001 and not the actual number (should be presented in table 3 and not in the text) [*Editorial note: the editors are happy with exact p-values.]

3. Discussion: page 11 lines 230-234 and page 12 lines 235-237. This paragraph is the only part that lacks a detailed explanation and clarity. I ask the authors to rewrite this paragraph.

"It has been suggested that there is non-preferred limb superiority in the utilization of proprioceptive function. This is attributed to functional differences between the role of the non-preferred limb in stabilization of the preferred limb, which dynamically manipulates and performs a task [15]. The results in the control group, which demonstrated a correlation between the upper and lower limb only in the non-preferred side may support this hypothesis. Nevertheless, as reported by previous studies [31, 32], differences between the preferred and non-preferred shoulder and ankle were not demonstrated. A possible explanation may be related to the joints tested and the evaluation method in the current study."