Reviewer's report

**Title:** Differentiating ADHD from Oral Language Difficulties in Children: Role of Movements and Effects of Stimulant Medication.

**Version:** 2  **Date:** 28 October 2014

**Reviewer:** Yehuda Pollak

**Reviewer's report:**

The authors addressed all my points and added important information to the manuscript.

However, there is still some concern regarding the medication part of the study that should be noticed. Study 2 was conducted on a “sample of opportunity”, as the authors named it. It should be stressed that the study design is much weaker than the “standard” on-off-medication design. It is not clear whether the order of the medication conditions was random and counterbalanced, and there was no blind placebo control. Therefore, the interpretation of the findings should be made with much caution. I even wonder whether the whole paper would benefit from removing the medication part whatsoever. At the least, the author should discuss these limitation and regard the medication part as a secondary, preliminary study.

I would suggest the authors to add test-retest reliability analysis, to exhaust the use of the T1-T2 design.

In table 4 and 5 legends 0.114 should be replaced by 0.14

**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