

Comments from Reviewers (1 and 2) and Responses by Authors

Article : Hai T et al., Impact of stimulants on behaviour and EF in Children with ADHD

Reviewer	Comments made by reviewer	Responses by authors
1	This paper provides an overview on the short- and long-term impact of stimulant medications in children with Attention Deficit Hyperactivity disorder with the aim to evaluate objectively by analysis both behavior rating scales completed by parents and neuropsychological performance-based measures. Several test vs treatments applied have been discussed in this paper while highlighting the different cross indicators that result from each test. The document is well written. Despite the authors address in this document an interesting subject with a structuring approach, the content is marred by the size of the studied sample which, in medical observations, does not give satisfaction for a concrete conclusion. Noted that, this observation is confirmed on page 19 by the authors. Moreover, the introduction is long, and it was necessary to adapt the problem from the third paragraph: "... the measurement ...".	Thanks for the comments. We have made some changes. See below (other comments).
1	Page 6, the section " Specifically,, with ADHD": is not always true. That depends on several psychological as well as environmental factors.	The articles that were cited did show stimulant medications were effective. However, we have addressed your concern.
1	Page 8, "All participants had diagnosis of ADHD": would have been more judicious to have the same professional for all the subjects studied in order to standardize the analysis tool for a non-subjective comparison.	We have clarified this sentence to indicate that every participant had to come to the study with a prior diagnosis. We were unable to control who made the original ADHD diagnosis. The study participants completed assessments with the same research assistant and parents completed the behaviour rating scale.
1	Page 12, "Baseline. On thethe assessment": I do not find either the place or the interest of this paragraph in a scientific paper	We addressed your concern. However, the main measures that are reported in this study was completed during the baseline testing session. So, it is important to indicate that.

1	In conclusion, the work proposed by the authors does not allow publication in a scientific journal. They are encouraged to give more effort into both the form and the analysis of a "critical volume" of data to make the content workable.	We appreciate your comments.
2	This is a prospective open study assessing the effects of Methylphenidate on executive function of children with ADHD, both at short term and partially at long term follow up. The results show that while in the short term there is a positive effect for Methylphenidate, there is some degree of tolerance since results at the long term follow up are less positive. The study is not novel, yet adding some important information to existing knowledge. The following are my specific comments:	Thanks for the comments.
2	1. These are partial results from a larger study. Please better explain and detail how were the participants selected and why only half continued for long term follow up.	The long-term follow up was an optional part of the study. We invited all participants, but only about 50% chose to come back.
2	2. Quantity and quality of sleep are crucial part of ADHD, and so is daytime somnolence. If there were questions in this regard in parental questionnaires these data should be added. If not – this should be discussed under the limitation of the study. Just as an example, two-year difference in assessment may be associated with delayed sleep phase syndrome (common in teenagers) and this could explain the deterioration after 2 years.	We did not obtain sleep data for this study. we have included that as a limitation.
2	3. If the authors have school grades of the participants these should be added.	We did not obtain that information. Participants however completed standardized academic assessments during the baseline condition. We have added some of those information.
2	4. Please add P values to all tables.	Added p values into tables.