Reviewer's report

Title: ADHD in girls and boys - gender differences in co-existing symptoms and executive function measures

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Reviewer: Per Hove Hove Thomsen

Reviewer's report:

This is an interesting and relevant paper. It describes a well-defined question, and methods are well-described and appropriate.

The discussion and conclusions brought forward by the authors are well-balanced and seem to be adequately supported by data.

Therefore I only have comments for discretionary revisions. The Introduction is fine. The study includes ADHD-patients who are systematically and thoroughly assessed. It is not quite clear whether all patients are medication naïve? An included group of human controls are similarly systematically assessed with Kiddie-SADS.

The authors use advanced statistical methods including random forest classification.

The period of inclusion of patients is not stated clearly. it is not described very well who performed the Kiddie-SADS-interviews, whether there were consensus ratings and how many raters were actually included in the study.

The consensus is relevant specifically regarding comorbid conditions.

The authors just state that interviewers were trained to high level of inter-rater reliability, was a reliability study made?

Authors should include references by Lambek et al. which describe executive functioning correlated to ADHD and subtypes.


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