Reviewer's report

Title: Long-term effects of stimulants on neurocognitive performance in Taiwanese children with attention-deficit/hyperactivity disorder

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Reviewer: Margaret H Sibley

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Major Compulsory Revisions:
(1) The MPH and nonMPH groups were not randomized and they were significantly different in ADHD severity and impairment. Even though the authors made a compelling case for why ADHD symptom severity doesn't impact IQ score, I think the paper would be much stronger if the authors would include baseline ADHD severity and CGI as covariates in the IQ prediction models.

(2) The language used by the authors in the conclusion needs to be much more tentative. The study is not controlled and so the authors should say that the findings "suggest" that there "may" be improvements to IQ following administration of MPH. However, these results cannot be fully interpreted until the study is replicated using a controlled sample.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

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.