Reviewer’s report

Title: Bright light therapy vs. physical exercise to prevent comorbid depression and obesity in adolescents and young adults with attention-deficit / hyperactivity disorder: study protocol for a randomized controlled trial

Version: 0 Date: 10 Nov 2017

Reviewer: Catherine Ouellet-Courtois

Reviewer's report:

This is a very thorough, comprehensive and detailed protocol for a RCT of bright light therapy against an exercise intervention in the prevention of obesity and depression for ADHD. Not only is the protocol very well-planned, but it is also a very meaningful line of inquiry, considering the paucity of research on interventions to address comorbidities in ADHD, as well as the lack of research on non-pharmacological interventions for ADHD and associated problems. I enjoyed reading the protocol - the rationale is well-established and the study design is carefully planned. My only concern is that there are a lot of measures, which might complicate data synthesis and interpretation. This being said, you do aim for a high sample size and you do have a lot of within-subject measurements, which should increase your power to detect significant effects. You also talk about moderation, but considering your study design, you could also test out possible mediation models, which would be highly informative.
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