

## REVIEWER A

The article by Emsaki et al is interesting and deals with the cognitive effects of pramipexole and Trihexiphenidyle in Parkinson patients. Some important points are raised by the manuscript:

1. The English language should be improved throughout it.
2. The title should include that it is a drug regimen (plus levodopa and amantadine) what is being evaluated.
3. The Introduction section should be longer and state of the art better explained.
4. It is worth noting that levodopa and amantadine doses are not mentioned at all. This is a crucial factor that can alter the findings.
5. Cognitive and UPDRS tests must be better explained.
6. Since levodopa doses can be different among groups, it is important to enhance n of patients to include different levodopa doses.
7. Tables must be improved and better explained.
8. Discussion section: Executive function and dopaminergic activity follow inverted U curves, and both augmentation or decrease of dopamine are known to alter executive performance.
9. Discussion section should be extended and most issues about dopamine and cognition, and drug regimen, explained.

## REVIEWER B

The authors have evaluated the effectiveness of pramipexole and trihexiphenidyl on cognitive performance in patients with Parkinson's disease. Overall the work is well presented and the manuscript well structured; however, the research is methodologically weak and no solid conclusion can be drawn from the results. The authors do not explain sufficiently the chosen procedure. The authors should explain more clearly when the patients were evaluated and why they were tested without pharmacological treatment. The duration of the treatment is not specified. The results need to be explained in more detail to avoid confusion, which is likely in the manuscript's current state.

The abstract is contradictory: "*patients who have used pramipexole had better performance in executive functions in post test*" and "*The findings suggest that pramipexole in combination with levodopa and amantadine may worsen the executive function*".

The authors do not say whether the procedures were conducted in conformity with national, regional and local laws and regulations. Formal aspects: There are references that are cited incorrectly in the text (specifically Lees et al 1983 and Levin et al 1995). The text needs to be corrected by a native English-speaking expert.