Reviewer’s report

Title: Memory Aid - Computer Based Working Memory Training in Elderly with Mild Cognitive Impairment (MCI). A Randomized, Controlled Trial.

Version: 3 Date: 13 March 2014

Reviewer: Erik Cobo

Reviewer’s report:

I would like to provide some suggestions in order to help authors to improve both this protocol and their future results paper.

- Major Compulsory Revisions

Please specify somewhere that your report will follow Consort and Consort for non-pharmacological interventions.

In “sample Size” you specify “a drop-out rate of 20%”. Please note that Consort suggests “as randomized” populations which require no losses. Please, follow NEJM suggestions to “prevent and treat” missing data, such as those suggested in http://www.nejm.org/doi/full/10.1056/NEJMsr1203730).

Please provide details of your dissemination policy, such as those suggested in SPIRIT item 31.

As patients in the reference group would not be ’treated’ for 6 months, there is a risk of performance bias (administration of non-scheduled interventions). Please, specify somewhere how will you prevent and control it.

In sample size (and analyses of data) you seem to specify more than 1 primary outcome: “The primary outcome measure will be neuropsychological tests that…”, with singular for primary outcome and plural for tests. Please either specify the methods to control for multiplicity or just choose one single primary outcome.

Please, specify somewhere that a fully detailed statistical analysis plan will be written before unmasking.