Reviewer's report

Title: Specificity of Transcranial Sonography in Parkinson Spectrum Disorders in Comparison to Degenerative Cognitive Syndromes

Version: 2 Date: 2 February 2012

Reviewer: Amos Korczyn

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This paper still falls short of expected. The evaluators were apparently not blinded to diagnosis. Several of the study groups were small and adding them up does not solve the problem, only creates noise. It is not clear what is the research question and how it is to be answered. The specificity of the test obviously depends on the reference group. To use normal control is not helpful since we do not need TCS to differentiate them. The conclusion that the test can be used as a screening tool is unclear. Screen what among whom? How exactly can the test be employed as "supplementary"?

Due to these limitation and the limited interest, I support rejection.