

February 1, 2019

Statement on MCI Screen

I am familiar with the Mild Cognitive Impairment (MCI) Screen developed by the Medical Care Corporation for early detection of patients with emerging cognitive impairment. The MCI Screen based in part on the Alzheimer's Disease Assessment Scale-Cognitive Subtest (ADAS-Cog) Word List Memory Task; the ADAS-Cog is the tool most widely used to assess cognition in clinical trials. The Word List of the ADAS-Cog has been modified in the MCI Screen by providing multiple scientifically balanced word lists to eliminate learning effects when the test is used on multiple occasions. The MCI Screen is comprised of a battery of tests assessing working memory, short-term memory, judgment, and recognition and requires approximately ten minutes to administer. The MCI Screen is electronically guided to insure reliability of administration and has been shown to both have high test/re-test and inter-rater reliability. The MCI Screen is paired with a scoring algorithm that distinguishes among patterns of cognitive performance consistent with normal aging or MCI. The MCI Screen generates a Memory Performance Index, scored from 1-100, useful in tracking performance longitudinally. The MCI Screen has been compared with the Clinical Dementia Rating Scale (CDR) and shown to have good sensitivity and specificity compared to this widely used instrument. The MCI Screen has been translated into Japanese and used in the early detection and diagnosis of dementia disorders in Japanese populations. The MCI Screen has been shown to be superior to the Mini-Mental State Examination (MMSE) and the Clock Drawing Test (CDT) as a screening instrument. Overall, the MCI Screen is a useful cognitive screening instrument. It must be used in conjunction with a clinical examination and brain imaging or other laboratory tests to achieve specific diagnoses of the etiology of the clinical impairment.

I hope that this perspective is useful to you.

Sincerely,



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