EuroSciCon

Abstract Template

Abstract Title: Developing a Verb Picture Naming Test in Adults, and Determining its

Validity and Reliability in Alzheimer Disease Patients

Sh. jalaie, A. mehri, M. namdar khatibani

[1]*Biostatistician, (Tehran University of Medical Sciences, IRAN)*
[2]*Second Author Affiliation (Tehran University of Medical Sciences, IRAN)*
[3]*Third Author Affiliation (Tehran University of Medical Sciences, IRAN)*

Abstract (not more than 300 words)

Background and Aim: The verb picture naming test is designed in many languages and used for many disorders like Alzheimer's disease. The aims of this study was develop of Persian version of verb picture naming and determine face and content validity, internal consistency and reliability of this test in patients with Alzheimer's disease and normal adults.

Materials and Methods: In this cross-sectional analytical study, we carefully chose 180 verbs from 520 verbs of my bank, for design two version of test. The verbs were selected based on; their frequency, age of acquisition, familiarity, visual complexity, name agreement, image agreement, syllable length, transitivity and composite or simply of verbs . The pictures of each selected verb, had given to 15 experts in order to determine content and face validity and then the pictures were placed in original and Parallel Form of Persian version of verb picture naming test. Chi square test was used to show there is no significant difference between distribution of verbs between two version of test. After this, both tests were performed to determine internal consistency by Cronbach's Alfa, and reliability by pair T-test, Pearson correlation test and ICC index; in 50 normal cases and 20 patients with Alzheimer's disease.

Results: The result showed that face validity of these tests were more than 0.85 and content validity were more than 0.98. The internal consistency in patients was more than 0.87 and in normal adults was more than 0.81 in patients with Alzheimer's disease. For calculating reliability; the results showed that difference of scores mean of the test and retest were not significant in both patients with Alzheimer's disease and normal adults and both tests (p>.10). The correlation between two versions of test was significant (r>.96, p<0.05) and (ICC>.96, P<.000).

Discussion and Conclusion: The two parallel Persian versions of verb picture naming tests are valid and reliable.

Keywords— *Alzheimer's disease, Validity, verb picture naming test, Reliability,*

Professional Biography (100-150 words)

Shohreh Jalaie is a faculty member in Tehran university of Medical Sciences (IRAN), PhD in Biostatistics,

She is very expert in design medical research and professional in Medical test Development. Using General linear models in Clinical Trials Analyses is another one of my interests. She teaches advance Biostatistics, Research method and Test development techniques for M.Sc. & Ph.D. students.

She is a member of editorial board in 3 Journals that publish by English language and Co-author of 140 English papers, 79 of them indexed in Scopus. She has more than 150 Persian Papers also.

My citation indices is 870 totally & h-index equal 14, that reported by Google Scholar. Citations in Scopus is reported 401 by 364 documents and h-index=11.

Paste your Photograph here

Email Id:

Any Comments: