Abstract

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# Translation, Cross-Cultural Adaptation, Reliability and Validity of Arabic Version of the Foot and Ankle Ability Measure

Nezar A Althagafi
King AbdulAziz University, Jeddah, KSA

## Abstract

**Background:** Ankle-Foot Complex injuries could impact individual mobility, restrict patient's ADL, and result in significant disability. Foot and Ankle Ability Measure FAAM is one of the highly recommended tools, that has the ability to assess ankle/foot physical abilities. However, the FAAM has not been translated and cross-culturally validated into Arabic language. Therefore, this study aims to translate and cross-culturally validate the FAAM to an Arabic language, and assessing the psychometric proprieties of FAAM-AR. **Methodology:** FAAM was translated According to the forward/backward strategy. 106 participants were enrolled, Cronbach alfa was conducted for assessing FAAM-AR's internal consistency. Intra-class correlation coefficient ICC2,1 was used to assess the tests-retest reliability. Spearman's correlation coefficient was used to assess the correlation between FAAM-AR and SF-36 for evaluating FAAM-AR validity. **Results:** Our study found that FAAM-AR has a high degree of internal consistency (ADL=0.95; Sport=0.92), and excellent test re-test reliability (ADL=0.95; Sport=0.95). FAAM-AR was moderately correlated with Physical Component Summary of SF-36 (ADL r=0.67; SPORT r=0.67). Whereas, FAAM-AR showed a weak correlation with Mental component Summary of SF-36 (ADL r=0.33; SPORT r=0.19). **Conclusion:** this study provides a strong evidence for FAAM-AR reliability and Validity for assessing ankle-foot complex functional status, among patients with ankle or foot disorders.

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## Biography

Nezar A Althagafi is a senior physical therapist, with an experience of seven years, interested in Musculoskeletal disorders and sport injuries rehabilitation, believed that the science is the way to make the human lives better, and the scientific researchers are the only way to develop sciences.

 