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Reliability and Validity of Migraine Disability Assessment Questionnaire-Thai Version (Thai-MIDAS)

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Abstract

Objective: To assess the validity and test-retest reliability of a Thai translation of the Migraine Disability Assessment (MIDAS) Questionnaire in Thai patients with migraine.
Material and Method: Migraineurs from the Headache Clinic in Siriraj Hospital were recruited and asked to complete a 13-weeks diary and answered the Thai-MIDAS at once. Some participants were asked to provide the 2nd Thai-MIDAS in the next 2 weeks for test-retest reliability.
Results: Ninety-three patients had completed the 13-weeks diaries. Age range was 18-58 years with mean 37.69 + 9.60 years. All 5 items and the total score of Thai-MIDAS were moderately correlated with data from 13-weeks diary (Spearman's correlation coefficient = 0.32-0.62). The test-retest reliability of the total score of Thai-MIDAS in 30 patients demonstrated a highly reliable degree of intraclass correlation (ICC = 0.76, 95%CI 0.49-0.88).
Conclusion: The present study reveals that the Thai-MIDAS has satisfactory validity and reliability in comparison with the original English MIDAS version.

Keywords: Migraine, Migraine disability assessment

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