عنوان مقاله:

Design and Evaluation of Measurement Tool for Sitting Situation Using Validity and Reliability

محل انتشار:

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

Aims: The sitting posture and its related problems are of high importance. The current research was conducted with the aim of design and evaluation of a measurement tool for sitting situation, using validity and reliability. Instruments and Methods: In this semi-experimental (field trial) study, a number of questions about knowledge, attitude, and behavior were designed and content validity and face validity were utilized to assess the validity. Then, questionnaire was given to ۱۰ specialists in health education, physiotherapists, and ergonomists. Moreover, Content Validity Ratio (CVR) and Content Validity Index (CVI) were calculated to determine content validity, and for reliability assessment, two criteria were used, including internal consistency through Cronbachchr('٣٩')s alpha and test-retest through Intra-class Correlation Coefficient (ICC) and Pearson correlation coefficient. Consequently, ۳۰ students were enrolled in the study. The data were analyzed by SPSS ۲۲ software. Findings: Firstly, of all ۲۹ questions in terms of knowledge, attitude, and behavior, ۲۳ items remained with CVR higher than ۰.۶ and CVI tables were higher than ۰.۷. From ۲۳ items referring to the ۳ mentioned spectra, ۱۲ questions were in the field of knowledge, ۶ questions were in the field of attitude, and ۵ questions were in the field of behavior. Then, the Cronbachchr('٣٩')s alpha coefficient was ۰.۸۷, the ICC was ۰.۹۸۳, and Pearson correlation coefficient was ۰.۹۶۶ ($p < ۰.۰۰۱$). Conclusion: The designed questionnaire can appropriately examine sitting situation in terms of the knowledge, attitude, and behavior; therefore, it is an excellent tool for measuring these characteristics owing to satisfactory validity and reliability.

کلمات کلیدی:

Musculoskeletal Diseases, Health Knowledge, Attitudes, Practice, Posture, Reproducibility of Results

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