ترجمه، تخصصات، اخلاق، اقتصاد، کارشناسی و تحقیقات

ترجمه یک تجربه فرهنگی و یا باید با پشتیبانی علمی تجربه قابل فهم و قابل عرف در یک مسیر به همین شیوه بررسی گردید.

ترجمه بر اساس مدل مطالعه و نظری بوده و روش‌های مختلفی را شامل می‌شود. در این کتاب، نشان داده شده که تحقیقات در زمینه ترجمه به‌طور معمول به‌طور آزمایشی انجام می‌شود و به‌عنوان یکی از حوزه‌های علمی به‌شمار می‌رود.

در این بخش، به بررسی مدل‌های مختلف ترجمه و روش‌های آن‌ها پرداخته می‌شود. به‌طور کلی، ترجمه به‌طور آزمایشی با توجه به شرایط و قوانین مختلف انجام می‌شود و به‌عنوان یکی از حوزه‌های علمی در زمینه ترجمه به‌شمار می‌رود.

ترجمه به‌عنوان یک تجربه فرهنگی، روشی است که به‌عنوان یکی از حوزه‌های علمی در زمینه ترجمه به‌شمار می‌رود. در این بخش، به بررسی مدل‌های مختلف ترجمه و روش‌های آن‌ها پرداخته می‌شود.

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INTRODUCTION

Many researchers in educational area believe that belongingness is one of the most significant needs of the students for their correct performance in learning environments. Higher-level needs may be less important if nursing students’ needs for (security) and belongingness are not satisfied [1-4]. Among the consequences of belongingness, supported by ample evidence, positive clinical placement experience, high self-esteem, flexibility, increased self-regulatory learning, and increasing self-efficacy can be mentioned [5-9]. Given the outcomes of belongingness from educational aspect in particular, it may be claimed that measuring the students’ sense of belongingness is a method for evaluating the effectiveness of the programs in nursing clinical education [1]. Measuring the sense of belongingness specific to clinical settings requires a valid and reliable instrument. Therefore, Levett-Jones et al.’s (2009) Belongingness Scale–Clinical Placement Experience (BES-CPE) is considered an appropriate instrument. It is used in various studies [3,6,10,11,12], and has a high validity and reliability. However, since this scale is in English and has been used in another society, some specialists such as Guillemine believe that it is necessary to do translation and cultural adaptation under these conditions [13]. Translation is a process through which a message in the source language (SL) can be conveyed to the target language (TL). This process requires observing its own specific rules and principles [14]. Due to the correct process of translation, it is possible to compare the findings of this research with those obtained in domestic and foreign ones [14,15]. At present, research questionnaires are not properly translated before being used in other societies with different cultures and languages. Thus, the results obtained from such instruments sometimes do not clearly indicate what the instrument has intended to measure [16]. On the one hand, it is important to clarify the necessity of correctly doing the process of translation and cultural adaptation. On the other hand, there is the limitation of reports on the translation process of the questionnaires in nursing research. As a result, the present study deals with describing the translation process and cultural adaptation in a detailed operational method. Consequently, it may provide a platform for researchers to pay more attention to this important subject.

METHODS

Levett-Jones et al.’s (2009) Belongingness Scale–Clinical Placement Experience (BES-CPE) is a self-administered instrument, including 34 items and three subscales of self-esteem (15 items), connectedness (10 items) and efficacy (8 items). It is based on 5-point Likert scale from 1 (never correct) to 5 (always correct) in which the mean for each item and also for the whole scale is measured. Higher scores denote higher levels of belongingness. Items 6, 12, and 26 are not included in any subscale, and some items (e.g., 10, 14, 22, and 26) are inversely scored (Table 1).

The first step to be assured of the acceptable translation quality involves selecting the best method for translating the research instrument [14]. In the present research, to translate the questionnaire, Wild et al.’s (2005) 10-stage model was selected [17] (Table 2). For cultural adaptation in the process of back translation, attempts were made by the translation group to observe cultural equivalents (e.g., semantic, idiomatic, empirical, and perceptional). According to Wild et al. (2005), the first stage in translation process involves gaining permission from the instrument designer(s) to use it and selecting the key-in country persons. Hence, permission to use the instrument was obtained from its designer (that is, Ms. Levett-Jones in Newcastle University). By key-in country persons, we mean those main coordinators who manage the process of translation in the target country (i.e., second and third authors). Based on the second stage of forward translation, the questionnaire was independently translated by two translators who had university degrees in the field of English and were also familiar with medical area and the related concepts. Wild et al. (2005) believe that reconciliation is necessary following the process of forward translation. Therefore, a panel including the members of the research team was formed. Both translation copies were discussed, compared, and their contradictions and differences were specified. Then, they were corrected and integrated into a single copy.

Concerning back translation, the two translators were asked to cooperate with the research. The first back translator was from the Philippines, residing in Iran, mastering both English and Persian, with a university degree in mathematics. The second back translator received university education in the field of English, mastering both Persian and English languages. In order to make sure of the conceptual equivalence, back translation review and harmonization were, then, carried out. Therefore, the research team members identified the problematic items while studying the back translations. Aiming to clarify and correct the intended items, they asked for assistance from the instrument designer. The next stage, according to the applied model, involves cognitive debriefing. In this stage, opinions of six nursing students about the translated questionnaire were obtained through interviews. The objective was to check their comprehension, interpretation, and conception, as well as the substituted words. After interviewing the students and learning about their opinions on each of the items, the required modifications were made. The final translation was then, reviewed by members of the research team. In the end, all the stages of conducting the process were written in a report, including the measures taken [17], a summary of which is offered in the present paper. Following the preparation of the final questionnaire to evaluate reliability, instrument consistency was studied using test-retest method within a two-week interval, and the completion of the questionnaire by 25 nursing students. Moreover, internal consistency was evaluated through Cronbach’s alpha.
RESULTS

The research results are presented in the following three sections:

1. Findings in the processes of translation, back translation, and review

In the first item of the original questionnaire, the term “fit in” had been translated into Persian as “سازگاری یافتن” by the translators, which was translated into English as “adaptation” in the process of back translation. By consulting the instrument designer while reviewing, the term “سازگاری یافتن” was changed into “زمینه می‌باشد.” Another instance of modification was related to translating the word “competent” in the third item of the questionnaire. In translation, the term “قابلیت” was used. Moreover, in the back translation, the translators used the term “مناسب و بالقوه.” According to the designer, the word “qualified” is not applicable to nursing students; therefore, it was removed and the word “competent” or “قابلیت” was maintained.

Regarding other items of the questionnaire (14, 17, 30, and 33), attempts were made to eliminate the existing discords between forward translation and back translation with the help of the instrument designer. Furthermore, to observe cultural adaptation, attempts were made to follow these equivalences during back translation. In order to find semantic or linguistic equivalence and to keep the translated concepts close to the English concepts [18] and equivalent expressions (the items that require substitution), as much as possible, attempts were made to bring about the semantic equivalences of the sentences in both original and translated copies while making grammatical modifications into their structures. For example, the sentence “I view my placement as a place to experience a sense of belonging,” which was translated into Persian as “از نظر من، محل پرداختن یکی از تجربه‌های منطق دانش آموزان” was translated back as “In my opinion, the clinical setting is a place to experience ‘sense of belonging.’” As you may notice, the word “view” is replaced with reminding such occasions as “روز دانشجو یا ‘روز واقع دانش آموز’” in the Persian questionnaire.

2. Pre-test and the second review

Results of interviewing the students indicated that some items are problematic to answer. The identified problems include phrasing, ambiguity, etc. Table 3 shows the problems identified in the pre-test stage and the items that were changed within the second review. Based on the findings from the pre-test, five items including 2, 6, 8, 12, and 19 were changed.

3. Instrument reliability

To measure instrument reliability, test-retest method was used. Its results were, then, applied to 25 persons within a two-week interval, and the reliability value was obtained as r=0.70. Moreover, the values of Cronbach’s alpha for subscale of self-esteem, connectedness, and efficacy were 0.88, 0.75, and 0.84, respectively.

DISCUSSION

In the present research, measuring the students’ sense of belongingness in a clinical placement requires its specific instrument. Therefore, Levett-Jones et al.’s English instrument was considered appropriate. Regarding linguistic and cultural differences, the success of translating the instrument from its source cultural platform into that of other societies through mere translation seems unlikely. The presence of a systematic approach for the translation and cultural adaptation of the instrument is necessary for success in this regard. Wild et al. (2005) have standardized the process of translation and cultural adaptation into ten stages. In this study, the researchers have conducted the process of translation and cultural adaptation, based on the foregoing model for the purpose of using the belongingness instrument within Iranian cultural domain. Although equivalence or the power of research questionnaire is important to study similar phenomena in two or more cultures in translation process, it is also equally important to be certain about comprehension of the translated copy by the target population in much the same way as the original copy can be understood by the main population [18]. The results of the present research in that regard were mentioned as acquiring cognitive debriefing or pre-test. Moreover, the results, obtained from the review stage and cognitive interviews with the individuals, indicated that the Persian translation has effectively reflected the original English questionnaire. Indeed, it is possible to identify specific cultural concepts, unclear items and, consequently, preventable errors with the help of pre-test [19].

Moreover, the results from this research indicate that Cronbach’s alpha for the whole instrument is 0.90, similar to those obtained by Kim and Jung (2012), who dealt with validation of the Korean version of the scale. In their study, the reliability through internal consistency method and with the help of Cronbach’s alpha was reported as 0.90 for the entire forensic instrument, and between 0.71 and 0.84 for its subscales [12]. Cronbach’s alpha varied between 0.75 and 0.88 for the subscales. These values were lower than those reported by Levett-Jones et al. (2009), Metsala (2012) as well as Kim and Park (2010), but similar to those of Kim and Jung (2012). In another research, Kim and Park (2010) studied a number of 202 nursing students to test the conceptual framework of Jones and Lathlean (2009), using Levett-Jones et al.’s belongingness scale. Their results showed a high reliability (α=0.91) for the instrument [6].

Metsala (2012), in a research titled “formulating belongingness scale for higher education students – a pilot study” dealt with designing an instrument concerning belongingness based on Levett-Jones et al.’s research. Thus,
four items in Levett-Jones et al.'s BES-CPE, specific to clinical setting, were omitted and five new items related to participation spaces and public communities were considered. The values of Cronbach's α for subscales of the research instrument were 0.81, 0.84, and 0.95, respectively [10]. In the study by Levett-Jones et al. (2009), reliability was also confirmed through Cronbach's α method. Cronbach's α was reported to be 0.92 for the whole scale and between 0.80 and 0.90 for its subscales [7]. Polit and Beck have suggested that if Cronbach's α is greater than 0.70, the instrument reliability is at an acceptable level [23]. Therefore, the present research confirms the results of other studies, indicating the high reliability of the scale.

Finally, it should be stated that complete record of the process of translating the scale may be effective in optimizing future applications of the instrument by researchers. However, there are limited published reports and documentation in this field. Presenting a method for the translation and cultural adaptation of the scale in written form may facilitate the proper use of the instrument and, consequently, the possibility of inter-cultural comparisons based on validity and equality.

Conclusion: Complete record of translating the instrument, especially when it is translated into other language and culture, proves important for optimum use by other researchers. Most research questionnaires are designed in English-speaking countries; therefore, it is necessary to correctly conduct the process of translation and cultural adaptation to use them in other societies. In the present research, attempts were made to remove this problem through correct precise administration of translation, presentation of an instrument adaptable to Iranian culture and a report on the process of translation, cultural adaptation, and validity of the instrument. The results indicated high reliability of the instrument. Thus, the intended questionnaire will be applicable for the measurement of nursing students' belongingness in Iranian clinical settings.

REFERENCES


ACKNOWLEDGEMENTS

The authors, hereby, express their thanks to Ms. Melody Duka, Mr. Yadollah Pournia, Mr. Nassir Moradi, and Mr. Almasian who have assisted with the translation of the research instrument. They are also grateful to all the esteemed nursing students in Lorestan University of Medical Sciences for participation in the research.

Financial support: This research has been conducted without financial support from any special institution.