

Research Colloquium

SERIES 5

Adaptation, Translation and Validation of The Food Allergy Quality of Life Questionnaire- Parent Form (FAQLQ-PF): The Malay Version



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Background

The FAQLQ-PF is the only questionnaire that measures the QoL of children aged less than 4 years old. It is a valid and reliable tool to assess the QoL of children with food allergies by using parents as a proxy to answer the questionnaire. However, to the best of our knowledge, the FAQLQ-PF has not yet been translated and validated into the Malay language.

Objective

This study aimed to adapt, translate the FAQLQ-PF into Malay and determine the validity and reliability of the translated version

Methods

This cross-sectional questionnaire validation study was conducted among parents of children (0 to 12 years old) with food allergies across five sites in Selangor and Kuala Lumpur, Malaysia. The FAQLQ-PF-Malay underwent cross-cultural adaptation, translation, validation (content, face and construct) and reliability assessment. Exploratory factor analysis, internal consistency and test-retest reliability analyses were used to examine its construct validity and reliability.

Results

Out of 150 children, the majority were between the age of 7 to 12 years old (41%) and were female (81%). Three subscales were identified, which were: (i) social and dietary implication, (ii) food anxiety and (iii) emotional and physical impact. Four items were eliminated because of weak factor loadings. The Cronbach's alpha for each subscale ranged from 0.88 to 0.94, with an overall Cronbach's alpha of 0.95. The intra-class correlation coefficient ranged from 0.54(95% CI: 0.10–0.77) to 0.97 (95% CI: 0.90–0.99)

Conclusion

The 26-item FAQLQ-PF-Malay retained the three-factor structure of the original FAQLQ-PF. The FAQLQ-PF-Malay is a valid and reliable tool to assess the QoL of Malaysian children with food allergies.