Psychometric evaluation of the Korean version of the Hepatitis B Quality of Life Questionnaire

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Purpose: The purpose of this study was to conduct a psychometric evaluation of the Korean version of the Hepatitis B Quality of Life Questionnaire (K-HBQOL), which is designed to assess the quality of life of patients with the hepatitis B virus (HBV).

Methods: The K-HBQOL was developed by converting the original English version to Korean using a back-and-forth translation method. The translated questionnaire was distributed to 168 adults with HBV. Descriptive statistics were used to summarize the demographic characteristics of these participants. Confirmatory factor analysis and exploratory principal components analysis (CFA and PCA) were performed, applying varimax rotation and using Kaiser’s eigenvalue-greater-than-one rule to examine the factor structure. The minimum average partial rule was also used to identify the number of components.

Results: The original factor model was not confirmed by CFA in this sample. Six components (Psychological Well-being, Stigmatization, Anticipation Anxiety, Weakness, Vitality, and Vulnerability) were extracted by PCA, with 69.11% of the total variance explained. In this process, one component present in the original factor model (Transmission) was not found, while another component (Weakness) was extracted.

Conclusions: This study revealed the psychometric characteristics of the Korean version of the HBQOL for patients with hepatitis B. We suggest a study with a larger sample is needed to evaluate validity and reliability of the K-HBQOL for other Korean populations.

EXTERNAL LINK
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ATTACHMENTS
[Data] HBQOL_figshare.xlsx

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