

Evaluation of postoperative results in patients with chronic otitis media: Preliminary results

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Abstract

Introduction: Chronic otitis media is a widespread disease that affects up to 2% of the population. The COMQ-12 was developed to assess the patient-reported health-related quality of life (HRQoL) due to chronic otitis media.

Aim: The aim of this study is to develop a Russian version of the COMQ-12 and evaluate its effectiveness amongst different groups of patients with and without chronic otitis media.

Materials & Methods: The RCOMQ-12 was obtained through a formal process of translation and back-translation. 108 patients with different forms of COM completed the RCOMQ-12. The internal consistency of this questionnaire was evaluated using Cronbach's alpha coefficient. Questionnaire data was also acquired from a population of healthy volunteers.

Results: The average RCOMQ-12 score was 19.4 (SD 8.3) in patients with COM. The internal consistency of the RCOMQ-12 was high, with a Cronbach's alpha value of 0.860. Of the participants with COM, 91% of respondents achieved a score of 30 or less, 55% of respondents achieved a score of 20 or less. In contrast to this, of the participants identified from a group of healthy volunteers, 75% of respondents achieved a score of 5 or less, 95% of respondents achieved a score of 10 or less.

Conclusions: The Russian version of the COMQ-12 is a reliable tool for assessment of HRQoL in patients with chronic otitis media. This sets the scene for further work to determine the effectiveness of this tool to plan surgical treatment and to assess outcome.

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