Impact on Quality of Life and Voice Handicap in Laryngectomees after Vocal Rehabilitation

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Slide 1 Introduction

Consequences of total laryngectomy
  - functional
  - physiological
Voice rehabilitation is one of the most difficult challenges

Slide 2 Objectives

The impact on quality of life (HRQL) and Voice Handicap Index (VHI)

The correlations between VHI and Global health status (QLQ)

Slide 3 Material and Methods

Retrospective study
Sixty-five laryngectomized patients
The ENT Department of the Emergency County Hospital, Cluj-Napoca
October 2013- November 2014
Slide 4 **Material and methods**

Speech therapy for vocal rehabilitation

EORTC QLQ-C30, EORTC QLQ-H&N35 and VHI questionnaire

Retested after 6 months (patients with TEP)

Slide 5 **Results**

Demographic and clinical characteristics of the sample
Slide 6 Results

Once the oncological treatment, 12% received adjuvant chemotherapy and 25% received adjuvant radiotherapy. 47% received adjuvant chemotherapy and 20% received adjuvant radiotherapy.

Slide 7 Results

Methods of vocal rehabilitation:
- None, 24 (33%)
- Electrolarynx, 18 (25%)
- Vocal prosthesis, 14 (19%)
- Esophageal speech, 17 (23%)

Slide 8 Results

QLQ-C30 responses for the patients' types of vocal rehabilitation.
Slide 9 Results

The EORTC QLQ-C30: Symptom scale results

Slide 10 Results

Summary of QLQ-H&N35 responses for the patients regarding types of vocal rehabilitation

Slide 11 Results

Summary of QLQ-H&N35 responses for the patients regarding types of vocal rehabilitation
Slide 12 Results

VHI scores regarding adjuvant oncological treatment

Slide 13 Results
Slide 14 **Results**

Paired T test significance on TEP patients in first and second application of the VHI questionnaire

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Slide 15 **Discussion**

Vocal rehabilitation appears to influence the quality of life


The method of vocal rehabilitation is not influenced by the oncological treatment

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Slide 16 **Discussion**

Comparisons between the Global health status (QLQ) and VHI scores showed no statistically significant correlation between the speakers groups

VHI scores improved with vocal restoration by TEP after a while

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Slide 17 **Conclusion**
Patients with vocal rehabilitation had a better quality of life compared with patients without vocal rehabilitation. The EORTC QLQ-C30, EORTC QLQ-H&N35 and VHI questionnaire improves information about quality of life, including speech problems.

Slide 18 References


Slide 18 Acknowledgments

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