

# **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**

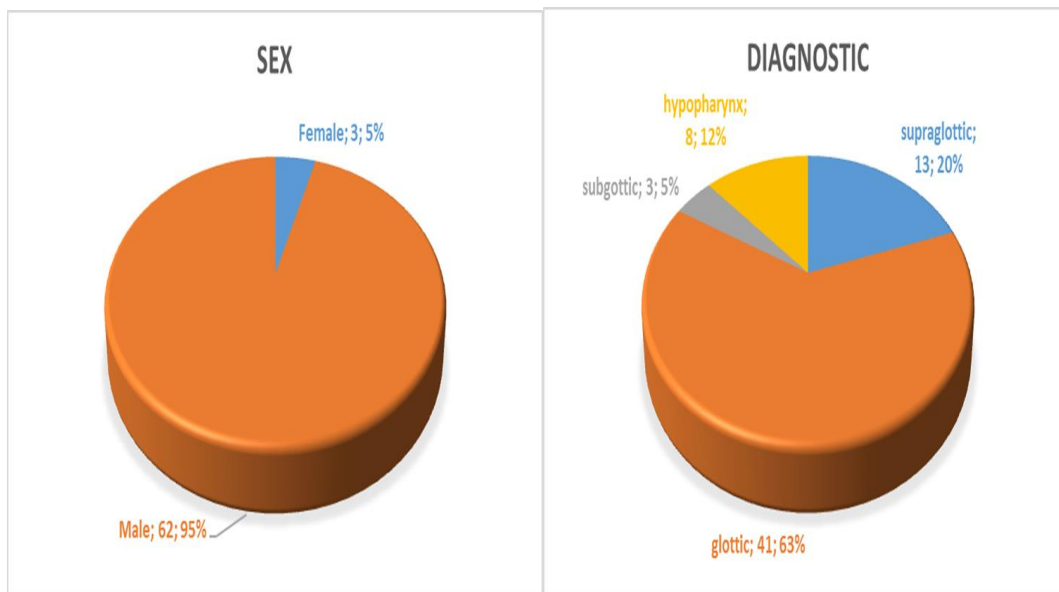
Speech therapy for vocal rehabilitation

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

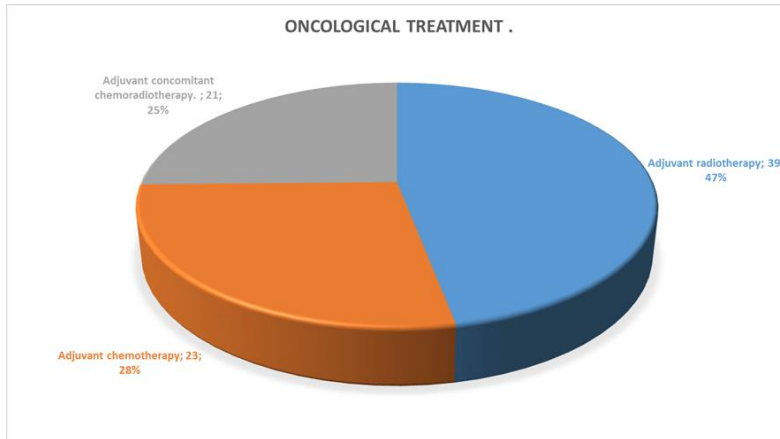
Retested after 6 months (patients with TEP)

## Slide 5 **Results**

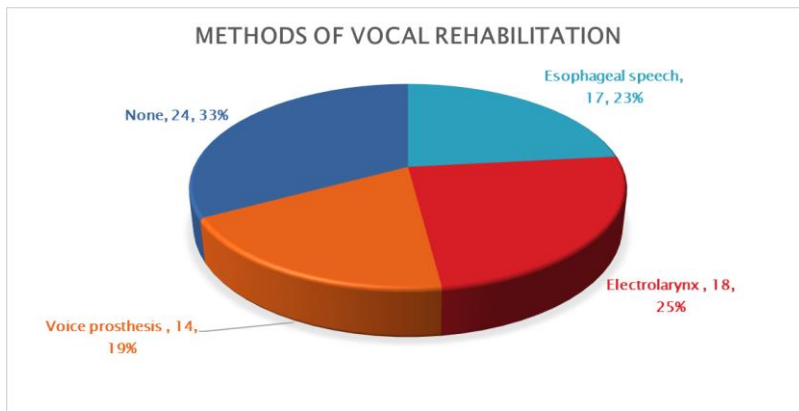
Demographic and clinical characteristics of the sample



### Slide 6 Results

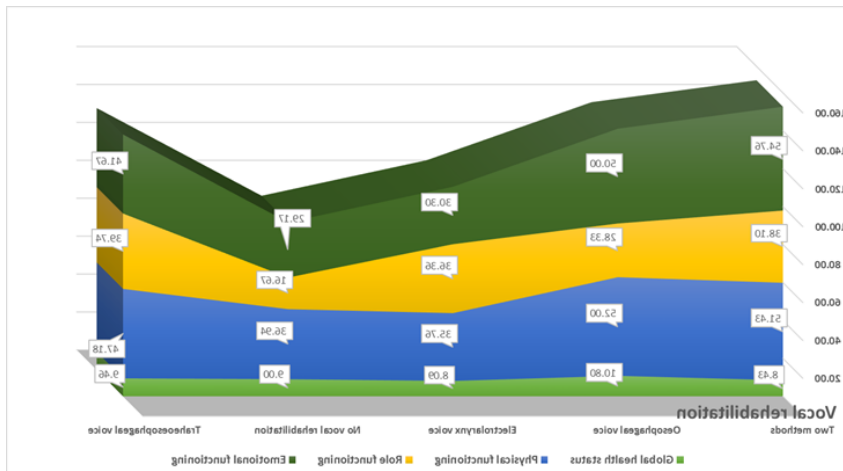


### Slide 7 Results



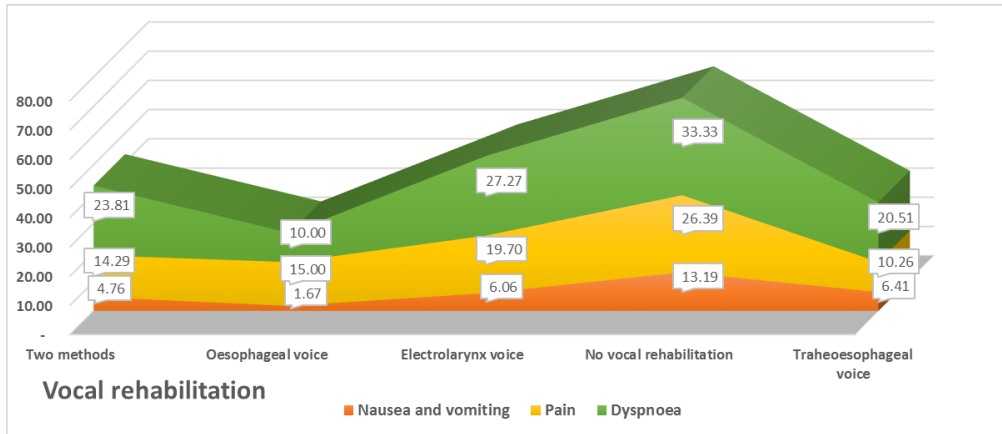
### Slide 8 Results

QLQ-C30 responses for the patients regarding types of vocal rehabilitation



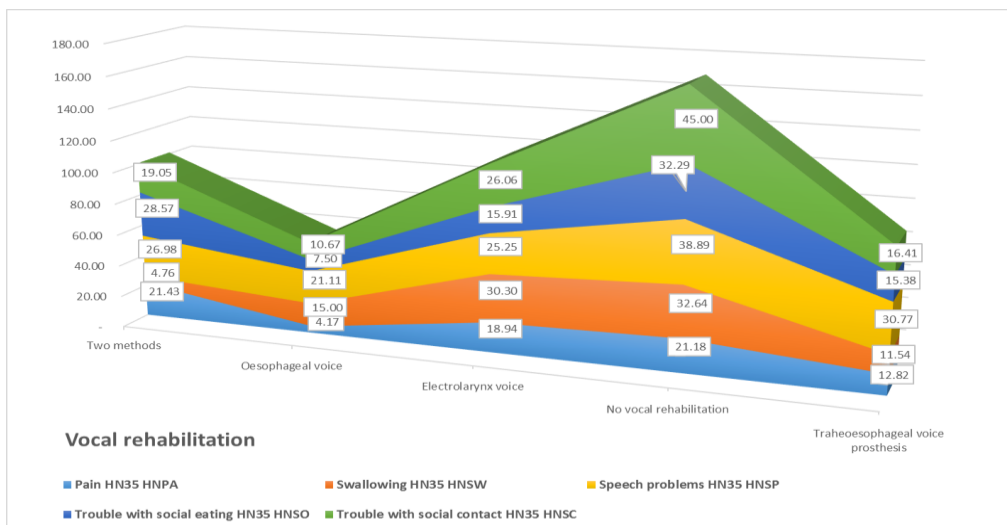
## Slide 9 Results

The EORTC QLQ-C30: Symptom scale results



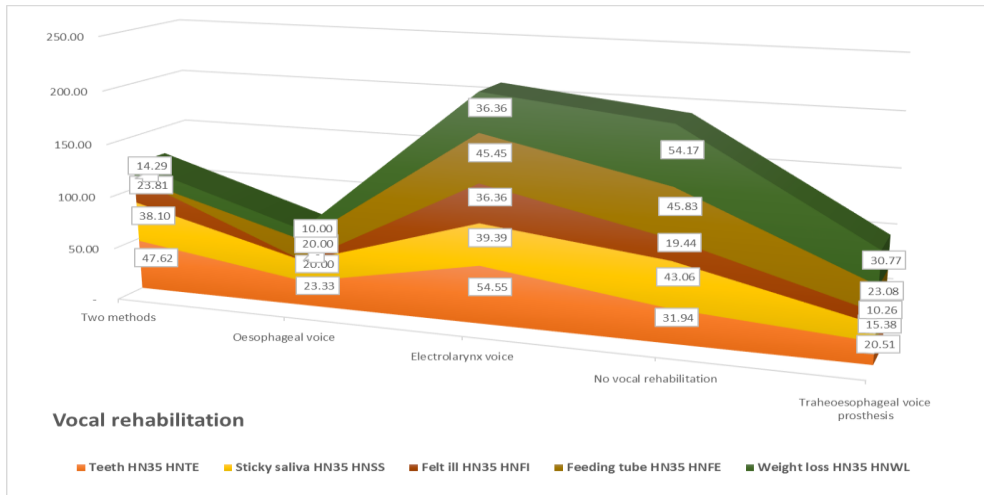
## Slide 10 Results

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

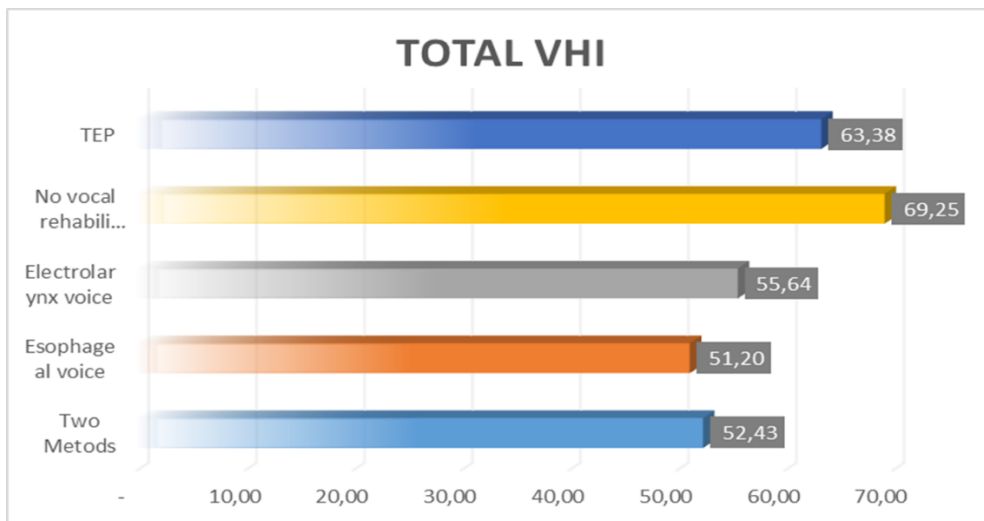


## Slide 11 Results

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

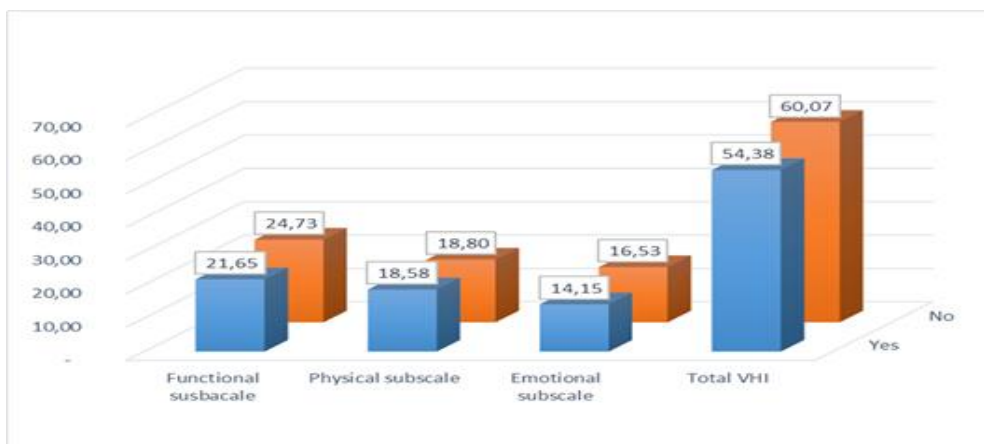


### Slide 12 Results



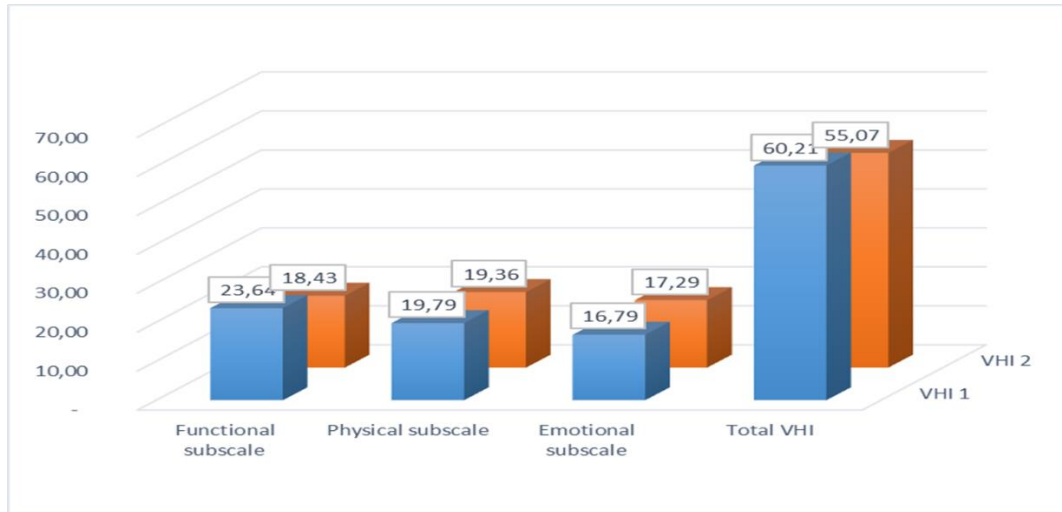
### Slide 13 Results

VHI scores regarding adjuvant oncological treatment



## Slide 14 **Results**

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



## Slide 15 **Discussion**

Vocal rehabilitation appears to influence the quality of life

- Ana Pereira da Silva et al. Quality of Life in Patients Submitted to Total Laryngectomy. J Voice. 2015

- Fahsl S et al. Clinical Relevance of Quality-of-Life Data in Laryngectomized Patients. Laryngoscope. 2012

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

## 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

## 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**

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## Slide 18 **Acknowledgments**

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