



## **Proceedings**

# **Invitational Round Table “Evidence-based Voice and Speech Rehabilitation in Head and Neck Cancer”**

**May 15-16, 2008  
Amsterdam**

### **Organization**

**Department of Head and Neck Oncology and Surgery  
The Netherlands Cancer Institute, Amsterdam**

**Institute of Phonetic Sciences/  
Amsterdam Center for Language and Communication  
University of Amsterdam**

**Department of Otorhinolaryngology  
Academic Medical Center, University of Amsterdam**

### **Organizing Committee**

**Prof. Dr. Frans JM Hilgers  
Prof. Dr. Ir. Louis CW Pols  
Dr. Maya van Rossum  
Dr. MWM van den Brekel**

**Venue: Netherlands Cancer Institute, Amsterdam**

## Program Invitational Round Table “Evidence-based Voice and Speech Rehabilitation in Head and Neck Cancer”

Thursday May 15, 2008

Chairpersons Frans Hilgers, Louis Pols

- 13.15: Welcome with coffee
- 13.30-13.45: Opening. Frans Hilgers, Louis Pols
- 13.45-14.45: Perceptual and acoustic analysis of TE-substitute voice and speech. Corina van As-Brooks
- 14.45-15.45: Objective evaluation of TE-substitute voice and speech. Ulrich Eysholdt
- 15.45-16.00: Tea break
- 16.00-17.00: Articulatory aerodynamics, contact pressures and sense of effort during tracheoesophageal speech. Jeff Searl
- 17.00-17.45: Poster presentations and poster visit\*  
1. Tracheoesophageal speech with manual versus automatic stoma occlusion: a multi-dimensional comparison. Annelies Labaere et al.  
2. Early rehabilitation of Head and Neck Cancer patients at Karolinska University Hospital. Therese Engström et al.
- 19.00-22.00: Dinner

Friday May 16, 2008

Chairpersons Maya van Rossum, Annemieke Ackerstaff

- 09.00-10.00: An evidence-based rehabilitation program for tracheoesophageal speakers. Petra Jongmans
- 10.00-11.00: Quality of life after Total Laryngectomy. Tanya Eadie
- 11.00-11.15: Coffee break
- 11.15-12.15: Oral and oropharyngeal cancer: speech outcomes and the need to monitor change over time. Phillip Doyle

The final hour; chairpersons Frans Hilgers, Louis Pols

- 12.15-13.15: Where do we stand and what are the priorities for research in the near future?
- 13.15: Adjourn; sandwiches on the go.

All presentations 45 minutes, 15 minutes discussion

\* Poster presentations: 15 minutes followed by discussion

## Introduction

Evidence-based Voice and Speech Rehabilitation is of increasing relevance in Head & Neck Oncology. The number of patients requiring treatment for cancer in the upper respiratory and vocal tract keeps rising. Moreover, treatment – whether it concerns an “organ preservation protocol” or traditional surgery and radiotherapy – negatively impacts the function of organs vital for communication. A “function preservation treatment” does, unfortunately, not yet exist. This “Invitational Round Table” seeks to assemble the latest and most relevant knowledge on evidence-based voice and speech rehabilitation. Aside from the main topic (voice and speech rehabilitation after total laryngectomy), also effects on communication of the treatment of oral/oropharyngeal carcinoma will be addressed.

### **Sponsors**

Amsterdam Center of language and Communication, University of Amsterdam  
Atos Medical AB, Sweden  
Atos Medical BV, The Netherlands  
Atos Medical GMBH, Germany  
Institute of Phonetic Sciences, University of Amsterdam  
The Netherlands Cancer Institute, Amsterdam