

# Global Postlaryngectomy Rehabilitation Cadaver Demonstration Course



19th & 20th March 2010

**Invited Guests: Dr Frans Hilgers, Netherlands &  
Dr Theo Gregor, New Zealand**

**Course Convenor: Prof. William B. Coman AM, MD**

**Faculty:**

Chris Perry

Scott Coman

Ben Wallwork

Nadine Lawson

Ben Panizza

Bernard Whitfield

Costa Repanos

Kelli Hancock

**Venues:**

Princess Alexandra Hospital

Main Building, 4th floor (blue lifts)

Training Room 1.4L.1A

Ipswich Rd, Woolloongabba Qld 4102

Queensland University of Technology (QUT)

Princes Charles Hospital,

Medical Engineering Research Facility (MERF)

Staib Rd (off Webster Rd), Chermside, Qld 4032



Princess Alexandra Hospital



THE UNIVERSITY  
OF QUEENSLAND  
AUSTRALIA

Dear Colleague,

Although organ and organ function preservation is often possible in patients with laryngeal and hypopharyngeal cancer, laryngectomy remains regularly unavoidable. Quality of life after a laryngectomy is mainly dependent on the rehabilitation efforts made by the physicians and supportive team. During the last decades, considerable progress in voice, airway and smell rehabilitation after total laryngectomy has been made. To train doctors and speech-language pathologists (SLP's) from around the world in this field, the Global Post-laryngectomy Rehabilitation Academy (GPRA) has been founded.

This course is intended for Otolaryngologists/Head and Neck Surgeons, Registrars, Speech-Language Pathologists and Head and Neck Oncology nurses. Comprehensive instruction material and a course certificate including CME points will be provided and a structured multiple choice questionnaire will allow you to assess your progress during the course.

The faculty consists of the staff members of the organizing department of Otolaryngology - Head & Neck Surgery, as well as international experts who have extensive expertise in all fields of prosthetic vocal and pulmonary rehabilitation.

Professor William B. Coman AM, MD  
MBBS (Qld), FRCS (Edin), FRCS (Eng), FRACS, FACS  
Professor of Otolaryngology, Head & Neck Surgery  
Division of Surgery, Princess Alexandra Hospital  
& The University of Qld



## **COURSE OBJECTIVES**

The GPRA organizes annual teaching courses throughout the world with a faculty of local and international experts. In the last 15 years, over 65 successful courses on voice and airway rehabilitation were organized in the Netherlands Cancer Institute in Amsterdam. As the available rehabilitation techniques and materials have become more sophisticated and complex, the demand for training has increased. To guarantee high level training, the GPRA ensures high standard of quality teaching. Organizing annual teaching courses in different hospitals around the world enables physicians and SLPs from all countries to attend these courses.

Voice rehabilitation, using voice prostheses, has emerged as the standard method for voice rehabilitation, since just like laryngeal voicing, this voicing is pulmonary driven and as such most close to normal speech production. Several types and subtypes of voice prostheses are presently available and the right choice is important to achieve consistent results. Although non-indwelling prostheses, potentially possible to be handled by patients themselves, were originally preferred by many clinicians, in recent decades indwelling devices, such as the Provox and Provox2 prostheses, are more and more seen as the preferred rehabilitation devices. Together with other indwelling devices, such as the Groningen prostheses, they have proven to be outstanding devices in this field. Consistent and high success rates have been achieved and the comfort for the patients and the medical professionals involved has been further improved by the development of anterograde insertion systems. Especially the anterograde replacement has considerably facilitated this outpatient office procedure. The recent development of Provox® ActiValve, troubleshooting voice prosthesis for patients who experience a very short device life of their standard prosthesis due to early leakage through the valve, can further improve the results of prosthetic voice rehabilitation. And the most recent development, the indwelling Provox Vega prosthesis (available in 22.5, 20, and 17 Fr versions) with Smart Inserter system, which has been tested extensively both in Amsterdam and Brisbane, has lifted voice rehabilitation to the next level.

The relevance of simultaneous pulmonary rehabilitation, filtering, heating and moistening the inhaled air, has become increasingly clear in recent years. Not only does it reduce sputum production and coughing, it also improves voicing and quality of life. The development of new filtration systems as well as dedicated valved Heat and Moisture Exchanger (HME) and an automatic speaking valve for hands-free speech with integrated HME have added new tools to the armamentarium of the health care providers in this respect. For optimal fixation in the stoma, a whole range of adhesives, cannulas and buttons have been developed.

Techniques to rehabilitate the sense of smell after laryngectomy can nowadays be trained to the patients, allowing them to use this important sense that is lost when airflow through the nose is halted after laryngectomy. With the recently developed 'polite yawning technique' it appears to be possible to restore olfaction in a majority of the patients.

High level professional care is decisive for long term success in rehabilitating laryngectomees. The GPRA courses will enable you to learn about all aspects of post-laryngectomy rehabilitation to apply these skills in your own clinic. It brings to your attention the basic physiology of prosthetic voice rehabilitation, surgical techniques to improve the voice and optimize the stoma, the indications and surgical techniques for primary and secondary TE punctures, replacement of the voice prostheses in the outpatient office, the management of complications and the basics and practical aspects of the use of HME's and hands-free speech. The courses will also cover typical 'tips and tricks', the appropriate Speech-Language Pathology training and all aspects of daily patient care. Video demonstrations, cadaver dissection, practice with all components of the Provox® voice rehabilitation system and outpatient follow-up sessions will be organized.

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## **VENUES**

Queensland University of Technology (QUT)  
Princes Charles Hospital  
Medical Engineering Research Facility (MERF)  
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Princess Alexandra Hospital  
Training Room 1.4L.1A  
Ipswich Rd, Woolloongabba Qld 4102

## FRIDAY 19th March 2010 - Day 1

**7.30** Transfer from Mantra Southbank to Princess Alexandra Hospital

**7.50** Registration - Training Room 1.4L.1A

**8.20** Opening - *Prof William B Coman AM, MD*

### LECTURES

**8.30** Evaluation of background knowledge with structured multiple choice questionnaires (for personal use only) - *Prof Frans Hilgers*

**8.45** Introduction to comprehensive postlaryngectomy rehabilitation (incl. basic aspects of the indwelling voice prostheses) - *Prof Frans Hilgers*

**9.30** Introducing Provox Vega and accessories (hands-on session, practicing voice prosthesis replacement and use of accessories) - *Prof Frans Hilgers, Nadine Lawson, Kelli Hancock*

**10.15** MORNING TEA

**10.30** Total Laryngectomy, primary tracheoesophageal puncture and reconstructions - *Prof Theo Gregor*

**11.15** Surgical refinements optimising vocal rehabilitation outcomes - *Prof Frans Hilgers*

**11.30** Princess Alexandra Hospital Experience with Surgical Voice Rehabilitation - *Prof William Coman*

**11.45** Results of Provox Vega studies in Brisbane - *Kelli Hancock and Nadine Lawson*

**12.30** LUNCH

**13.15** Patient demonstrations (Indwelling voice prosthesis) - *Prof Frans Hilgers, Prof Theo Gregor, Kelli Hancock and Nadine Lawson*

**15.00** AFTERNOON TEA

**15.15** Speech Pathology Introduction - *Nadine Lawson and Kelli Hancock*

**15.30** Long term results and adverse events/troubleshooting - *Prof Frans Hilgers*

**16.30** FINISH

**16.45** **Drinks and Canapes** - Russell Strong Auditorium, PAH

## **SATURDAY 20th March 2010 - Day 2**

- 8.00** Transfer from Mantra Southbank and PA Hospital to MERF Centre, Prince Charles Hospital, Chermside
- 8.30** Demonstration of total laryngectomy and primary tracheoesophageal puncture, (cadaver dissection) and the surgical refinements optimising vocal rehabilitation - *Prof Theo Gregor and Prof Frans Hilgers*
- 12.00** Transfer from MERF Centre to Princess Alexandra Hospital
- 12.30** LUNCH
- 13.15** Pulmonary and Olfaction rehabilitation: clinical research; basic physiology research; hands-free speech - *Prof Frans Hilgers*
- 14.30** Hands-on session and patient demonstration (practicing with HME's, stoma valves and hands-free devices) - *Prof Frans Hilgers , Prof Theo Gregor, Nadine Lawson and Kelli Hancock*
- Tea and coffee will be available during this session*
- 15.30** Closing Session (Re-evaluation of background knowledge with structured multiple choice questionnaires, closing remarks and course certificates presented - *Prof William Coman, Prof Frans Hilgers, Prof Theo Gregor, Kelli Hancock, Nadine Lawson*
- 16.00** CLOSE

## Invited Guest Speakers

### **Dr Frans Hilgers**

Frans Hilgers graduated from the Medical Faculty of the University of Utrecht in 1973. He completed his Otolaryngology-residency at the Academic Wilhelmina Hospital of the University of Amsterdam under Professor Leonard Jongkees in 1978 and his Head and Neck Fellowship at the Netherlands Cancer Institute in Amsterdam under Professor Emiel van Slooten in 1977-78.



His PhD-thesis, based on clinical and laboratory research on immunological aspects of herpes viruses in human neoplasia, was completed in 1976 (with Professor F. Dekking, University of Amsterdam).

Since 1978, he has had an appointment as full-time Head and Neck surgeon at the Netherlands Cancer Institute and from 1989 on as Chairman of the Department of Head and Neck Oncology and Surgery. He also holds a position as consultant for Head and Neck Surgical Oncology at the Academic Medical Hospital of the University of Amsterdam.

In 2003, Frans was appointed the role of Professor at the University of Amsterdam (Institute of Phonetic Sciences) for 'Oncology-related voice and speech disorders, especially in laryngectomized individuals'.

Frans' clinical research focuses on postlaryngectomy vocal, pulmonary, and olfactory rehabilitation. He has written 206 papers, 129 of which can be traced back through Pubmed, and 62 of which deal with laryngectomy topics. Furthermore, he co-edited a textbook (Diseases of the Head and Neck, Nose and Throat; editors Andrew S Jones, David Phillips, and Frans JM Hilgers), which has received the George Davey Howell's Memorial Prize 1999 for 'the most distinguished publication in Otolaryngology in the preceding 5 years' by the Royal College of Medicine in London, UK.

Frans' experience in postlaryngectomy rehabilitation has been condensed in the edited book 'A practical guide to postlaryngectomy vocal and pulmonary rehabilitation, including the Provox system', of which the fourth edition is published in 2003 in CD-ROM format, and in a book on olfactory rehabilitation (in Dutch), of which an English version on CD is published in 2004. E-mail address: [f.hilgers@nki.nl](mailto:f.hilgers@nki.nl); website: [www.hoofd Hals.nki.nl](http://www.hoofd Hals.nki.nl) and [www.franshilgers.nl](http://www.franshilgers.nl).

### **Professor Theo Gregor**

M.B.,B.Ch. PhD F.R.C.S. F.A.C.S.

Clinical Professor

Director of Otolaryngology, Head and Neck Surgery  
Waikato Hospital, Hamilton, New Zealand



Professor Gregor has extensive experience in head and neck surgery in South Africa, Netherlands and New Zealand. He is an International speaker in demand for his comprehensive knowledge of head and neck cancer. He has a wide variety of professional, academic and sporting interests.

## ACCOMMODATION

The Mantra Southbank,  
161 Grey St., Southbank Qld 4101  
Ph: 1300 554 632  
www.mantra.com - the South Bank Hotel, Brisbane

Studio apartment \$195 per night incl. GST (1x Queen Bed)  
1 bedroom apartment including breakfast \$249 per night incl. GST

Courtesy bus to and from Mantra Hotel  
and The Princess Alexandra Hospital and Prince Charles Hospital (MERF Centre)

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## REGISTRATION FEES (including Course Dinner)

ENT Surgeons	A\$880
ENT Trainees	A\$660
Speech Pathologists	A\$550
Nurses	A\$440

(all fees inclusive of GST)

The registration fee for Delegates includes attendance at the Global Post Laryngectomy Rehabilitation Course, dinner, lunch, morning and afternoon teas and transport to and from The Mantra Southbank and the Princess Alexandra and Prince Charles Hospitals.

All enquiries for registration please email [judy\\_hawkins@health.qld.com.au](mailto:judy_hawkins@health.qld.com.au)  
or go to our website [www.coman.org.au](http://www.coman.org.au)

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## For further details please contact:

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**NOTES**

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