

INCLUDING LIVE SURGERY &
CADAVER-LAB TRAINING



**EUROPEAN SLEEP
SURGERY ACADEMY**

1st European Sleep Surgery Academy Course

***June 8th - 10th 2023, Antwerp, Belgium,
University of Antwerp and Antwerp University Hospital***



MESSAGE FROM THE HOST

Dear Mr./Mrs./All

On behalf of the Organizing Faculty and the Founding Committee of the European Sleep Surgery Academy (ESSA) it is my pleasure and an honor to welcome you to this First ESSA Course in Antwerp.

I do hope that the facilities at the campus of both University and University Hospital will fulfill your expectations as we want to offer a state-of-the-art course to all participants. The auditorium at the Hospital will allow the speakers to present their expertise and results while the live streaming of Drug-induced Sleep Endoscopy (DISE) from the Operating Theatre should also add to the unique setting of this ESSA course. During the event a variety of DEMOS and VIDEOS will be used in order to provide the participants with a full overview on the surgical technique of the current treatment options for snoring and obstructive sleep apnea (OSA).

When attending the course, it is good to reflect about the fact that the first implantation of a hypoglossal nerve stimulation device was done at this venue, by the former Head of Department, Professor Emeritus Paul Van de Heyning in the late nineties of the previous century.



Apart from the scientific and surgical content of this course, I am happy to confirm that a social program will be provided. Antwerp is a vibrant and beautiful city with a lot of interesting cultural and architectural highlights. Our course dinner will be held in a spectacular, unique environment in the city of Antwerp. The field of the surgical treatment of sleep-disordered breathing is emerging with a lot of ground-breaking innovation. During the course we will focus on the screening of the proper candidates for specific non-CPAP treatments and try to provide an insight in the current state of affairs on surgical treatment of snoring and OSA.

I do hope you enjoy this first ESSA course in Antwerp,

*Olivier M. VANDERVEKEN, MD, PhD
Professor and Chair*

1st ESSA Learning Objectives:

- Better understanding on how to select the right patient for the right treatment option*
- Perform and interpret drug-induced sleep endoscopy (DISE), for careful patient selection*
- Insight in the different surgical techniques for snoring and OSA*
- How to integrate the lessons learned from ESSA course into the daily practice routine*

ESSA FACULTY



Prof. Dr. Olivier M. Vanderveken

Prof. Dr. Olivier M. Vanderveken, MD, PhD is a full-time ENT, Head and Neck Surgeon at the Antwerp University Hospital where he is appointed as the Chair of the Department. He holds a position as Professor at the Faculty of Medicine of the University of Antwerp.

His main research projects are in the area of sleep-disordered breathing. His research is focusing in particular on pathophysiological assessment of upper airway collapse including phenotyping, drug-induced sleep endoscopy, treatment of obstructive sleep apnea and upper airway surgery including hypoglossal nerve stimulation and transoral robotic surgery. In the past, he has been awarded several national and international scientific awards.

Olivier Vanderveken holds a Senior Clinical Investigator Fellowship at the Research Foundation Flanders (FWO).



Prof. Dr. Nico de Vries

Prof. Dr. Nico de Vries, MD, PhD is ENT specialist at OLVG West Hospital Amsterdam, the Netherlands. His special interest is diagnosis and treatment of obstructive sleep apnea in adults, in particular alternatives to CPAP.

Research topics include Drug Induced Sleep Endoscopy, Implants, OSA surgery, Positional Therapy, Hypoglossal Nerve Stimulation, Combined Treatments, OSA and bariatric surgery, OSA and Anesthesia, OSA and biomarkers. Since 2014 he is guest professor at the University of Antwerp, Belgium and since 2016, professor of Dental Sleep Medicine, dept oral kinesiology, ACTA, Amsterdam.

According to Research Gate, his H-index is 47. He has > 300 publications in international and national peer reviewed journals, > 70 book chapters and > 300 presentations.



Prof. Dr. Clemens Heiser

Prof. Dr. Clemens Heiser, MD, PhD is an ENT, Head and Neck surgeon at the Klinikum rechts der Isar, Technical University of Munich, where he is also leading the sleep laboratory.

He was one of the early adaptors of hypoglossal nerve stimulation in the clinical routine. Further research projects are in the area of sleep-disordered breathing - especially the development of diagnostic and therapeutic tools. Clemens Heiser has been awarded in the past for several national and international scientific awards.

He is one of the key opinion leaders in the field of neurostimulation in the upper airway. Further interests are the pathophysiology of obstructive sleep apnea.



Prof. Dr. Joachim T. Maurer

Prof. Dr. Joachim T. Maurer MD is an internationally recognized expert for the treatment of sleep disorders, in particular obstructive sleep apnea and snoring. He is Director of the Division of Sleep Medicine at the University Hospital in Mannheim, University of Heidelberg.

Dr. Maurer is a primary investigator in several clinical trials for all available Hypoglossal Nerve Stimulation Systems since 2009 as well as other innovative treatments. He has authored numerous original research articles, review articles, and book chapters on OSA and snoring. He regularly appraises sleep disorders centers, is examiner for applicants in sleep disorders specialisation, and course director "Diagnosis and treatment of sleep disordered breathing" and "Surgery for sleep disordered breathing". For twelve years he supports and launches an ENT-Department with residents' training in the District Hospital of Ruli, Rwanda.



Prof. Dr. J. Ulrich Sommer

Prof. Dr. J. Ulrich Sommer, MD is a full-time ENT, Head and Neck Surgeon at the Technical University Munich and the ENT-Center Mangfall-Inn. Furthermore, he holds a position as Professor at the University of Heidelberg, Faculty of Medicine in Mannheim.

Prof. Dr. J. Ulrich Sommer is a full-time otorhinolaryngologist and head and neck surgeon at the Technical University of Munich and the Mangfall-Inn ENT Centre.

For years, his main research focus has been on upper airway neuromodulation, and he is the author of more than 150 original research articles, review articles and book chapters on this topic and obstructive sleep apnoea in general. Ulrich Sommer holds a professorship at the University of Heidelberg, Medical Faculty of Mannheim.

SCIENTIFIC AGENDA

Thursday, June 8th 2023

11:30 - 14:00 Registration and lunch buffet

Lectures combined with Live Surgery from the Operating Theatre

Clemens Heiser, Joachim Maurer, Nico de Vries, Olivier Vanderveken, Ulrich Sommer

14:00 - 14:15 Welcome and Outline of the First ESSA Course

14:15 - 14:45 Overview of palatal procedures

Eli Van de Perck, MD, PhD – University of Antwerp, Antwerp University Hospital, BELGIUM

14:45 - 15:15 Overview of tongue base procedures

Nico de Vries, MD, PhD – OLVG and ACTA, Amsterdam, THE NETHERLANDS

15:15 - 15:45 Live Surgery – DISE procedures and NYXOAH Genio Procedure

15:45 - 16:15 Coffee and Tea Break

Overview of the different Neurostimulation techniques for treatment of OSA Chairman: Joachim Maurer, MD

16:15 - 16:45 Liva Nova Aura6000 Implant

Joachim Maurer, MD – University Hospital Mannheim, Germany

16:45 - 17:15 Nyxoah Genio Implant Clemens Heiser, MD, PhD –

Technical University of Munich, Germany

17:15 - 18:00 Inspire IV Implant including Live Surgery

Olivier Vanderveken, MD, PhD – Antwerp University Hospital, University of Antwerp, Belgium

18:00 - 19:00 Meet and Greet with Drinks and Appetizers Dinner on your own

Friday, June 9th 2023

Cadaver-lab Surgeons' training and Interactive Lectures

Clemens Heiser, Joachim Maurer, Nico de Vries, Olivier Vanderveken, Ulrich Sommer

09:30 - 10:00 Welcome & Cadaver Lab Instructions

10:00 - 12:30 Team A: Cadaver-lab surgeons-training, Team B: Interactive lecture

12:30 - 14:00 Lunch

14:00 - 16:30 Team B: Cadaver-lab surgeons-training, Team A: Interactive lecture

16:30 - 17:00 Coffee and Tea break

17:00 - 17:45 Conclusions of the days - questions & answers

19:00 Course Dinner and Keynote Speech

Saturday, June 10th 2023

From Diagnosis to Theranostics

Clemens Heiser, Joachim Maurer, Nico de Vries, Olivier Vanderveken, Ulrich Sommer

08:30 - 09:30 Welcome & Breakfast Buffet

09:30 - 10:00 Interpretation of Poly(somno)graphy for Sleep Surgeons

10:00 - 10:30 The mobile Sleep Lab: Does the PAT-signal help?

10:30 - 11:00 Coffee and Tea break

11:00 - 11:30 Drug-induced Sleep Endoscopy (DISE) and its interpretation incl. VOTE System

11:30 - 12:00 DISE: implementation of findings in clinical practice

12:00 - 12:30 Pathophysiological endotyping of OSA patients for successful selection for hypoglossal nerve stimulation therapy

12:30 Lunch & end of the meeting

REGISTRATION

The participation fee per person is

Early bird Ticket
until march 19th, 2023 **749.- €*** p.P.

*VAT not included

Regular Ticket
from march 20th, 2023 **795.- €*** p.P.

Please note:

Participation fee includes lunch, conference beverages, course dinner on June 9th, 2023, training and cadaver lab proctoring. Not included are any travel expenses, hotel accommodation costs, transportation and parking fees.

Please use the following link to register:

www.essa-event.com/registration/

Hotline for individual questions:

+49 151 505 120 57

(ESSA Organization Team)



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