

*Including Live Surgery &  
Cadaver-Lab Training*



**EUROPEAN SLEEP  
SURGERY ACADEMY**

# *1st ESSA-Meeting*

*European Sleep Surgery Academy*

*June 24th - 26th 2021*

*University of Antwerp,  
Belgium*



# The ESSA-Faculty



**Prof. Dr.  
Olivier M. Vanderveken, MD, PhD**

*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. med.  
Clemens Heiser, MD, PhD**

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



**Prof. Dr.  
Nico de Vries, MD, PhD**

*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. med.  
Joachim T. Maurer, MD**

*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.*

## Words of Welcome from the Conference President

*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 from the Operating Theatre should also add to the unique setting of this ESSA course.*

*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 – be our Keynote Speaker during the Course Dinner.*

*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. The course dinner will be held within the Bourse of Antwerp, the world's first purpose-built exchange building.*

*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 obstructive sleep apnea.*

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

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



**Prof. Dr.  
Olivier M. Vanderveken, MD, PhD**

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## Thursday, June 24th 2021 (1st Day)

### Contemporary Sleep Surgery Procedures Lectures along with Live Surgery

- 11:30 - 13:00 Registration & Lunch
- 13:00 Welcome and outline of the 1st ESSA course  
**Olivier Vanderveken**
- 13:15 Palatal Surgery and Tongue Base reduction techniques  
**Chairman Nico de Vries**
- 13:15 - 13:45 Modern palatal reconstructive techniques  
**Filippo Montecvecchi**
- 13:45 - 14:15 Tongue base surgery - Radiofrequency of the tongue base and Hyoid suspension  
**Nico de Vries**
- 14:15 - 14:45 Coffee and Tea break**
- 14:45 Overview of the different Neurostimulation surgical techniques  
**Chairman Joachim Maurer**
- 14:45 - 15:30 Inspire IV  
**Olivier Vanderveken**
- 15:30 - 16:15 Nyxoah GENIO System  
**Clemens Heiser**
- 15:30 - 16:15 Livanova Aura6000 Implant  
**Joachim Maurer**
- 16:45 - 17:15 Continuation and Completion of Live Surgery
- 17:15 - 18:30 Meet and Greet with drinks and finger food  
Dinner individually**

## Friday, June 25th 2021 (2nd Day)

### Cadaver-lab Surgeons' training and Interactive Lectures

- 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  
with Professor Emeritus Paul Van de Heyning**

### Cadaver-lab Surgeons-training

- Palate surgery  
**Filippo Montecvecchi, Anneclaire Vroegop**
- Hyoid suspension  
**Nico de Vries**
- Inspire IV Implant
- Nyxoah/Genio-Implant
- Livanova/aura6000-Implant  
**Clemens Heiser, Joachim Maurer, Olivier Vanderveken, Nico de Vries**

### Interactive lectures including video

- Transoral Robotic Surgery (TORS)  
**Filippo Montecvecchi, Olivier Vanderveken**
- Bariatric surgery  
**de Raaff**
- Perioperative case in Sleep Surgery  
**Madeline Ravesloot**
- Maxillomandibular advancement (MMA)  
**Nico de Vries**

## Saturday, June 26th 2021 (3rd Day)

### From Diagnosis to Theranostics

- 08:30 - 09:30 Welcome & Breakfast Buffet
- 09:30 - 10:00 Interpretation of Poly(somno)graphy for Sleep Surgeons  
**Johan Verbraecken**
- 10:00 - 10:30 The mobile Sleep Lab: Does the PAT-signal help?  
**Joachim Maurer**
- 10:30 - 11:00 Coffee and Tea break**
- 11:00 - 11:30 Drug-induced Sleep Endoscopy (DISE) and its interpretation incl. VOTE System  
**Nico de Vries**
- 11:30 - 12:00 DISE: implementation of findings in clinical practice  
**Anneclaire Vroegop, Madeline Ravesloot**
- 12:00 - 12:30 Pathophysiological endotyping of OSA patients for successful selection for hypoglossal nerve stimulation therapy  
**Olivier Vanderveken**
- 12:30 Lunch & end of the meeting**

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# Registration Form

The participation fee is 695,00 Euro (VAT not included).

(including dinner/lunch, conference beverages, soft-drinks. Not included are travel expenses and hotel-costs.)

I want to participate in the 1st ESSA-event in Antwerp from  
June 24th - 26th 2021:

Adress:  Mr.  Ms. / Mrs.

Title: \_\_\_\_\_

First-Name: \_\_\_\_\_

Last-Name: \_\_\_\_\_

Hospital  Practice

Name of Hospital / Practice: \_\_\_\_\_

City and Postcode / ZIP Code: \_\_\_\_\_

Street: \_\_\_\_\_

Address for invoice: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Phone / Mobile: \_\_\_\_\_

Signature: \_\_\_\_\_

By signing the application form you recognise the organiser's Condition of Participation. Please send this form to ESSA-Organisation Committee:

Mail: [contact@essa-event.com](mailto:contact@essa-event.com)

Service-Hotline: +49 151 505 120 57

Our organisation-partner: **XM Consult**  
Unternehmensberatung  
Josef Schäfer