

# THE LAUSANNE AIRWAY COURSE

3<sup>rd</sup> edition

A common platform for  
the airway surgeons,  
the anesthetists and the intensivists

28<sup>th</sup>, 29<sup>th</sup>, 30<sup>th</sup>, 31<sup>th</sup> January 2020  
CHUV - Switzerland



*Unil*  
UNIL | Université de Lausanne

CHUV - LAUSANNE  
DEPARTMENT, HEAD & NECK SURGERY

# THE LAUSANNE AIRWAY COURSE & HANDS-ON WORKSHOPS

3<sup>rd</sup> edition

28<sup>th</sup>, 29<sup>th</sup>, 30<sup>th</sup>, 31<sup>th</sup> January 2020  
CHUV - Lausanne - Switzerland



Dear colleagues and friends,

It gives us great pleasure to invite you to the 3<sup>rd</sup> Lausanne Airway Course organized in collaboration by the departments of Otorhinolaryngology, Anesthesiology and Intensive care medicine of the Lausanne University Hospital (CHUV). The main objective of the course is to highlight working as a team and thus provide the best treatment to a patient presenting with a compromised airway. The organizing committee has put together all that is needed to help the attending delegates better understand the difficult airway and define the individual role of each treating doctor in these difficult cases. Several swiss and international experts are participating in the course and their scientific contributions are sure to benefit all. We look forward to welcome you in Lausanne in January 2020.

Dpt of ORL  
Dr Kishore SANDU  
Prof. Christian SIMON

Dpt of Anesthesiology  
Prof. Patrick SCHOETTKER

**STORZ**  
KARL STORZ — ENDOSKOPE

**Lumenis®**

**Leica**  
MICROSYSTEMS

**lasermed**  
INNOVATING MEDICINE

**Anklin**

International experts



**BENJAMIN HARTLEY,**  
Great Ormond  
Street Hospital, UK



**WALTER KLEPETKO,**  
Thoracic surgery,  
Vienna, Austria



**MICHAEL RUTTER,**  
Cincinnati  
Children's Hospital, USA



**DIETMAR ENK,**  
University Hospital Münster (UKM),  
Department of Anesthesiology and  
Intensive Care Medicine,  
Münster, Germany



**ANIL PATEL,**  
The Royal National Throat Nose and  
Ear Hospital, University College  
Hospital NHS Foundation Trust,  
London, UK



**FRANCIS VEYCKMANS,**  
Centre Hospitalier Universitaire,  
Dpt of Anesthesiology  
Lille, France

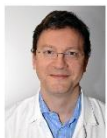
Swiss  
experts



**CHRISTIAN BALMER,**  
Dpt of Anesthesiology  
Hôpital du Valais  
Martigny, Switzerland



**GABRIEL CASSO,**  
Dpt of Anesthesiology  
Lugano, Switzerland



**CHRISTIAN SIMON**  
Chief / Dpt of ORL, CHUV  
Lausanne, Switzerland



**PATRICK SCHOETTKER,**  
Dpt of Anesthesiology CHUV  
Lausanne, Switzerland



**KISHORE SANDU,**  
Dpt of ORL, CHUV  
Lausanne, Switzerland



**MADELEINE  
CHOLLET-RIVIER**  
Dpt of Anesthesiology CHUV  
Lausanne, Switzerland



**FRANÇOIS GOROSTIDI,**  
Dpt of ORL, CHUV  
Lausanne, Switzerland



**SYLVAIN MAURON,**  
Dpt of Anesthesiology CHUV  
Lausanne, Switzerland



**DAVID LONGCHAMP,**  
Dpt of Intensive Care CHUV  
Lausanne, Switzerland



**M DOLCI,**  
Dpt of Anesthesiology CHUV  
Lausanne, Switzerland



**QUENTIN DE HALLEUX,**  
Physiothérapie pédiatrique CHUV  
Lausanne, Switzerland



**YANN BÖGLI,**  
Dpt of Anesthesiology CHUV  
Lausanne, Switzerland

CHUV experts

Tuesday 28.01.2020

COP - CHUV

10h00 -15h00 PRE CONFERENCE LASER WORKSHOP

Wednesday 29.01.2020

Auditorium Paternot - AGORA



08h00-08h30 Registrations

08h30-08h45 Welcome

## COMMON TOPICS FOR THE AIRWAY SURGEONS, INTENSIVISTS AND ANESTHETISTS

08h45-09h05 Laryngotracheal anatomy and its clinical importance  
**K. Sandu**

09h10-09h30 Endotracheal tube size: choice & criteria  
**P. Schoettker**

09h30-09h50 Nightmares and dilemmas in intubation  
**M. Rutter**

09h55-10h15 Collateral damage and lesions after intubation  
**K. Sandu**

10h20-10h40 Algorithmic thinking around the airway  
**G. Casso**

10h40-11h00 Coffee break

Wednesday 29.01.2020  
Auditorium Paternot - AGORA

- 11h00-11h20 The lung as a working machine – physical considerations  
D. Enk
- 11h25-11h50 Pneumothorax & Pneumomediastinum in cervicothoracic trauma and aerodigestive endoscopies  
W. Klepetko
- 11h50-12h10 Air outside the airway? My nightmare  
S. Mauron

COMBINED AIRWAY SHARING

- 12h15-12h35 Decision making in laryngeal trauma  
K. Sandu
- 12h40-13h00 Anesthetic management of the acute airway in adults  
A. Potie and team
- 13h00-14h00 LUNCH
- 14h00-14h20 Management of the acute airway in children  
B. Hartley
- 14h20-14h40 THRIVE: the end of Jet ventilation?  
A. Patel
- 14h40-15h00 Surgery for benign laryngotracheal stenosis: principles and indications  
B. Hartley
- 15h05-15h25 Pre-operative assessment, case selection and timing for the airway surgery  
K. Sandu
- 15h30-16h00 Coffee break

Wednesday 29.01.2020  
Auditorium Paternot - AGORA

- 16h00-16h20 Post-operative ICU management of the pediatric patient after airway surgery  
**D. Longchamp**
- 16h30-16h50 Pediatric tracheostomy  
**M. Rutter**
- 16h50-17h10 The airway challenging syndromes  
**F. Veyckmans**
- 17h10-17h45 Albatross cases in Airway  
**F. Gorostidi**  
**Experts of the day**

19h00 - GALA DINNER

 **AQUATIS** AQUARIUM VIVARIUM LAUSANNE  
Europe's largest *freshwater* aquarium



AQUATIS Aquarium-Vivarium  
Route de Berne 144  
1010 Lausanne  
Vaud - Suisse

+41 (0)21 654 23 23  
[info@aquatis.ch](mailto:info@aquatis.ch)

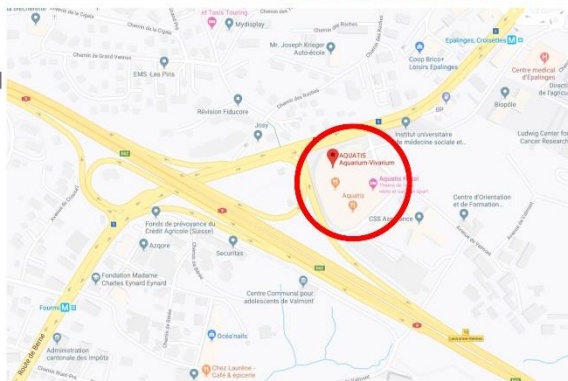


**BY CAR**

Highway A9 - Exit Lausanne-Vennes  
Take the Bern Road towards Moudon / Epalinges and follow P + R Vennes.  
The entrance to the underground car park is on your right.

**BY TRAIN & METRO**

If you come by train: get down at Lausanne gare.  
From Lausanne train station: take the M2 metro towards Croisettes, and get down at Vennes.  
The trip takes about 10 minutes.



SHARED DECISION MAKING IN AIRWAY SURGERY  
*How we do it... and how else it can be done*

08h00-11h45 endoscopy and open surgery video recordings

**A- ENDOSCOPIC PROCEDURES**

1. Pre-op evaluation & anesthesia of a child with subglottic stenosis and tracheal stenosis with complete rings.
2. Laryngomalacia
3. Laryngotracheal cleft
4. Endoscopic treatment of subglottic stenosis
5. Tracheoesophageal fistula
6. Benign tracheal tumors

10h00-10h30 **Coffee break**

**B- OPEN AIRWAY**

- 10h30-11h45
1. LTR
  2. CTR
  3. Slide Tracheoplasty



Thursday 30.01.2020  
Auditorium Paternot - AGORA

SPECIFIC TOPICS FOR THE AIRWAY SURGEON

- 12h00-12h25 Optimising results in airway surgery  
B. Hartley
- 12h30-13h00 Lasering the airway – the do's and the definite don'ts  
K. Sandu
- 13h00-14h00 LUNCH
- 14h00-14h20 The crippled larynx  
M. Rutter
- 14h25-14h45 Tracheal resection for oncological cases  
W. Klepetko
- 14h50-15h10 Airway surgery complications and their salvage  
K. Sandu
- 15h15-15h35 Decannulation – how I do it and a review  
B. Hartley
- 15h35-16h05 Coffee break
- 16h10-16h30 Decannulation failures and revision LTS surgery  
M. Rutter
- 16h35-17h15 The floppy airway in adults and children  
W. Klepetko & K. Sandu
- 17h20-17h45 INTERESTING AIRWAY CASES (5' each)  
F. Gorostidi, B. Hartley, M. Rutter & W. Klepetko

SPECIFIC TOPICS FOR ANESTHETISTS AND INTENSIVISTS

- 14h00-14h30    Oxygenation in 2020  
                  A. Patel
- 14h30-15h00    Flow Controlled Ventilation  
                  D. Enk
- 15h00-15h30    Extubation strategies for the difficult airways  
                  P. Schoettker
- 15h30-16h00    Coffee break
- 16h00-16h30    Pediatric Airway management in the ICU and OR  
                  D. Longchamp, M. Dolic, S. Mauron & Y. Bögli
- 16h30-17h00    High Fidelity Simulation for airway teaching  
                  G. Casso
- 17h00-17h30    Evidence-based airway management training  
                  using simulation  
                  C. Balmer



Friday 31.01.2020

HANDS-ON WORKSHOP FOR THE AIRWAY SURGEON

Anatomy rooms (institut d'anatomie Bugnon 9)

- 07h30-12h30
1. Introduction
  2. LTR (Anterior + Posterior grafts)
  3. Cricotracheal resection  
+ Extended cricotracheal resection
  4. Slide tracheoplasty

HANDS-ON WORKSHOP  
FOR THE ANESTHETISTS AND INTENSIVISTS

COP - CHUV

- 08h30-12h00
1. Pig trachea and transglottic approaches  
G. Casso
  2. Flow Controlled Ventilation  
D.Enk
  3. Difficult intubations: tips and tricks  
P. Schoettker
  4. Difficult airway: a team approach, by simulation  
C. Balmer
  5. Non-invasive pediatric ventilation  
D. Longchamp & Q. De Halleux

COFFEE BREAK & BUSINESS LUNCH AT THE VENUE

14h00 - 18h00

COMBINED SURGEONS & ANESTHETISTS  
" AIRWAY ACQUISITION WORKSHOP "

COP - CHUV

# ACCESS

Train :

Lausanne Gare

By underground M2 - CHUV (6 min)

Car :

> Highway exit Vennes

> P+R Vennes and underground to CHUV

> Visitors parking CHUV



- Principaux bâtiments de soins
- Autres bâtiments
- Routes principales
- Liaisons piétonnières

- Accès principaux / handicapés
- Accueil / Information
- Auditoires
- Garderie

- Parking des hôpitaux
- Parking handicapés
- Livraisons
- M2: Station CHUV

## CONTACT

Otorhinolaryngology and H&N Dpt  
Rue du Bugnon 46  
1011 Lausanne - Switzerland

Phone: +41 (0)21 314 75 74  
Fax: +41 (0)21 314 27 06

kishore.sandu@chuv.ch

NOTES