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STRASBOURG UNIVERSITY

RESPIRATION IN ANESTHESIA AND IN INTENSIVE CARE
FROM AIRWAY MANAGEMENT TO CELLULAR RESPIRATION

2025

PROGRAMME

DATE | COURSE DIRECTORS

NOVEMBER 24 - 25 | P. Diemunsch (FR)

COURSE OBJECTIVES

- To provide extensive information concerning the various aspects of respiration in anesthesia and intensive care
- To cover technical and pathophysiological topics
- To allow participants to closely interact with world-renowned experts
- To provide hands-on sessions to improve skills in airway management techniques

COURSE ENDORSEMENT AND ACCREDITATION

This course is accredited by the **European Accreditation Council for Continuing Medical Education (EACCME)** to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS). ACCME credits are also recognized by the American Medical Association towards the Physician's Recognition Award (PRA).

COURSE DIRECTOR

Pr. Pierre DIEMUNSCH C.H.U. DE HAUTEPIERRE, STRASBOURG, FRANCE

FACULTY

Pr. Michael AZIZ OREGON HEALTH AND SCIENCE UNIVERISTY, PORTLAND, USA

Pr. Tom BARNES PRIVATE PRACTICE, LONDON, UK

Dr. Claire BOPP C.H.U. DE HAUTEPIERRE, STRASBOURG, FRANCE

Dr. Eloïse CERCUEIL HFME HÔPITAL FEMME-MÈRE-ENFANT, BRON, FRANCE

Dr. Chloé CHAUVIN C.H.U. DE HAUTEPIERRE, STRASBOURG, FRANCE

Pr. Audrey DE JONG CHU HÔPITAL SAINT ELOI, MONTPELLIER, FRANCE

Dr. Sophie DIEMUNSCH C.H.U. DE HAUTEPIERRE, STRASBOURG, FRANCE

Dr. Valentina FAITOT C.H.U. DE HAUTEPIERRE, STRASBOURG, FRANCE

Dr. Denis GRAFF CLINIQUE RHENA, STRASBOURG, FRANCE

Dr. Maryse HENGEN C.H.U. DE HAUTEPIERRE, STRASBOURG, FRANCE

Pr. Olivier LANGERON C.H.U. - HÔPITAL LA CAVALE BLANCHE, BREST, France

Pr. Eric NOLL C.H.U. DE HAUTEPIERRE, STRASBOURG, FRANCE

Pr. Julien POTTECHER C.H.U. DE HAUTEPIERRE, STRASBOURG, FRANCE

Dr. Cécile POULAIN CHU - HÔTEL DIEU, NANTES, FRANCE

Pr. Jean-Damien RICARD HÔPITAL LOUIS MOURIER, COLOMBES, FRANCE

Pr. Peter SACKEY KAROLINSKA INSTITUTET, STOCKHOLM, SWEDEN

Dr. Laurent SATTLER C.H.U. DE HAUTEPIERRE, STRASBOURG, FRANCE

Pr. Mervyn SINGER UNIVERSITY COLLEGE LONDON, LONDON, UK

Pr. Klaus TORP MAYO CLINIC, JACKSONVILLE, USA

Pr. Nguyen VAN MINH HUE UNIVERSITY OF MEDICINE AND PHARMACY, HUE, VIETNAM

Pr. Jean-Louis VINCENT HÔPITAL ERASME ULB, BRUXELLES, BELGIUM

Each IRCAD faculty member confirms that any conflict of interest they may declare has no bearing on any scientific activity during the courses: all course content is fair, balanced, and free of commercial bias.

Monday November 24, 2025

MORNING

08.15 am	**Welcoming of participants (course material, administrative data)**

08.30 am OPENING SESSION IN AUDITORIUM
CHAIRMEN: J. POTTECHER & P. DIEMUNSCH

08.30	Welcome & Introduction	P. DIEMUNSCH
08.45	Recent SFAR guidelines for airway management in special conditions	J. POTTECHER
09.05	Do not resuscitate the direct laryngoscope	M. AZIZ
09.25	Is 'permissive hypoxemia' an acceptable concept?	J.L. VINCENT
09.55	Discussion	

10.15 am	**Coffee Break**

10.30 am CHAIRMEN: J. POTTECHER & P. DIEMUNSCH

10.30	IR injury	M. SINGER
11.00	Evaluation of the risk for aspiration syndrome	E. CERCUEIL
11.30	How to manage a severe aspiration in the OR and subsequently in the ICU?	C. POULAIN
12.00	Pre Lab session	P. DIEMUNSCH K. TORP
12.25	Group picture in the auditorium	Faculty & Participants

12.30 pm	**Lunch at the institute**

Monday November 24, 2025

AFTERNOON

01.45 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY (3rd floor)

Beginning of the workshop rotation at **02.00 pm**

Workshops are run in parallel. Participants will have access to all workshops during the 2 days.
25 minutes per workshop and per group.

Table N° in the OR	TITLE	TUTORS
Table 1	Nebulization solution	
Table 2	Anesthesia ventilator settings & ICU ventilator settings (including ARDS in live model) - lung electrical impedance tomography	J. POTTECHER E. NOLL
Table 4	Demonstrating the physics behind nasal high flow in anesthesia and sedation	T. BARNES
Table 5	High flow oxygen therapy & ORI	M. HENGEN C. BOPP
Tables 6	Surgical airway: transtracheal approach, tracheoscopic control and cricothyrotomy approach	K. TORP P. PIRGOUSIS
Tables 7	Intubation of the contaminated airway	M. DERUYTER A. RIVERO C. MOSHE
Table 8-9	Single lung ventilation solutions	V. FAITOT
Tables 10-11	Combined approach for difficult intubation: videolaryngoscopy & fiberoptic bronchoscopy	N. VAN MINH P. DIEMUNSCH
Table 12-13	The Virtual Fiberoptic Intubation microsimulation program (VFI)	N. VAN MINH P. DIEMUNSCH
Table 14	Hemostasis	L. SATTLER
Table 15	Biphasic cuirass ventilation: To be confirmed	S. DIEMUNSCH
Table 16-17	Gastric US	E. BOJAXHI L. TORP
Tables 18-19	Digital therapies for the reduction of pain and anxiety	C. CHAUVIN D. GRAFF

05.30 pm End of session - Evening free

Tuesday November 25, 2025

MORNING

08.45 am	**Welcome coffee**

09.00 am THEORETICAL SESSION IN AUDITORIUM
CHAIRMEN: E. NOLL & O. LANGERON

09.00	High Flow Oxygen in ICU: A 20 year Follow up	J-D. RICARD
09.40	Nasal high flow: how physics works with physiology for patient benefit	T. BARNES
10.20	High Flow Oxygen in anesthesia: the cleft palate surgery case	C. BOPP
10.40	Q&A	

10.45 am	**Coffee Break**

11.00 CHAIRMEN: E. NOLL & O. LANGERON

11.00	Extubation: in the OR or in the PACU?	A. DE JONG
11.30	Inhaled sedation in the ICU	P. SACKEY
12.00	Closing remarks	P. DIEMUNSCH

12.30 pm	**Lunch at the institute**

Tuesday November 25, 2025

AFTERNOON

01.30 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY (3rd floor)

Beginning of the workshop rotation at **01.45 pm**

Workshops are run in parallel. Participants will have access to all workshops during the 2 days.
25 minutes per workshop and per group.

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04.00 pm End of course – Delivery of the certificate of attendance

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HANDS-ON SESSIONS
Respiration in anesthesia and in intensive care

November 24 & 25, 2025

1
Nebulization solutions

2
Anesthesia ventilator settings & ICU ventilator settings (including ARDS in live model) lung electrical impedance tomography
NOLL E.
POTTECHER J.

4
Demonstrating the physics behind nasal high flow in anesthesia and sedation
BARNES T.H.

5
High flow oxygen therapy & ORI
HENGEN M.
BOPP C.

6
Surgical airway : transtracheal approach & tracheoscopic control
TORP K.
P. PIRGOUSIS

7
Intubation of the contaminated airway
A. RIVERO
M. DERUYTER
C. MOSHE

8
Single lung ventilation solutions
FAITOT V.

9
Single lung ventilation solutions
FAITOT V.

10
Combined approach for difficult intubation: videolaryngoscopy & FOB
DIEMUNSCH P.
VAN MINH N.

11
Combined approach for difficult intubation: videolaryngoscopy & FOB
DIEMUNSCH P.
VAN MINH N.

12
The Virtual Fiberoptic Intubation microsimulation program (VFI)
VAN MINH N.
DIEMUNSCH P.

13
The Virtual Fiberoptic Intubation microsimulation program (VFI)
VAN MINH N.
DIEMUNSCH P.

14
Hemostasis
SATTLER L.

15
Biphasic cuirass ventilation
DIEMUNSCH S.

17
Gastric US
L. TORP
E. BOJAXHI

18
Digital therapies for the reduction of pain and anxiety
CHAUVIN C.
GRAFF D.

19
Digital therapies for the reduction of pain and anxiety
CHAUVIN C.
GRAFF D.

Entrance