



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

2025

ADVANCED COURSE

DATE

November 24 - 25

COURSE DIRECTOR

P. Diemunsch (FR)

ANESTHESIA

IRCAD FRANCE, THE BEST TRAINING CENTER IN THE WORLD

- More than 50 courses in minimally invasive surgery, GI endoscopy, robotic surgery, arthroscopy and anesthesia.
- More than 800 international experts from prestigious hospitals worldwide contributing their expertise to our programs.
- Annually, around 8,000 surgeons trained through our comprehensive on-site and online courses.



REGISTRATION FEES INCLUDE

- Theoretical sessions
- Coffee breaks and lunches
- **Hands-on sessions on live tissue, mannequins, computer simulation software and trachea models**

COURSE DIRECTOR

P. Diemunsch (FR)

PAST & FUTURE FACULTY

M. Aziz (US)

T.H. Barnes (GB)

A. Charton (FR)

J. Charton (FR)

C. Chauvin (FR)

C.H. Chen (TW)

J.M. Constantin (FR)

A. De Jong (FR)

S. Diemunsch (FR)

V. Faitot (FR)

T.J. Gan (US)

D. Graff (FR)

L. Grunebaum (FR)

W. Habre (CH)

M. Hengen (LU)

M. Jabaudon-
Gandet (FR)

S. Jaber (FR)

M. Kristensen (DK)

O. Langeron (FR)

P.O. Ludes (FR)

C. Meistelman (FR)

A. Meyer (FR)

E. Noll (FR)

M. Ohana (FR)

A. Patel (GB)

J. Pottecher (FR)

J.D. Ricard (FR)

H. Roze (FR)

L. Sattler (FR)

M. Singer (GB)

M. Skinner (AU)

K. Torp (US)

J.L. Vincent (BE)

K. Zacharowski (DE)

MORE INFORMATION
ABOUT OUR FACULTY



Available on our website
WWW.IRCAD.FR

8:15 am ◇ REGISTRATION AND WELCOMING OF PARTICIPANTS

8:30 am ◆ THEORETICAL SESSION

- Welcome – introduction
- Anesthesia for fiberoptic intubation: general, topical & sedation
- Difficult airway algorithm: state-of-the-art in 2025
- Multimodal approach to the difficult airway
- THRIVE:
 - What's new since the 2015 core papers
 - Clinical applications in ICU
 - Indications and problems in anesthesia
 - Monitoring
- Oxygen: friend or foe

12:30 pm ◇ LUNCH AT THE INSTITUTE

1:30 pm ◆ HANDS-ON SESSION

Workshops are run in parallel

Participants will have access to all workshops throughout the 2-day course

Workshop on mannequins

- New tools for airway management
- The multimodal approach to airway control
- Single lung ventilation: tools and practice

Workshop on live tissue (mini-pigs)

- Front of the neck airway approach
- US for the upper and lower respiratory tract, tracheal approach
- FAST ultrasound
- Special ventilator settings and their consequences

Workshop on computers

- Micro-simulation for bronchoscopic intubation

Workshop on trachea models

- Surgical airway: transtracheal approach & tracheoscopic control
 - cricothyrotomy approaches (surgical vs. Seldinger)

5:30 pm ◇ END OF SESSION

EVENING FREE

- 8:15 am ◇ WELCOME AND EVALUATION OF THE PREVIOUS DAY'S SESSIONS
- 8:30 am ◆ **THEORETICAL SESSION**
- Respiration: the mitochondrial level
 - Optimal ventilator settings in the OR and in the ICU
 - Predictive signs for difficult airways: intubation, face mask ventilation videolaryngoscopy
 - Lessons from NAP4: key points & perspectives
 - Discussion
- 12:00 pm ◇ LUNCH AT THE INSTITUTE
- 1:00 pm ◆ **HANDS-ON SESSION**
- Workshops are run in parallel
Participants will have access to all workshops throughout the 2-day course*
- Workshop on mannequins**
 - Workshop on live tissue (mini-pigs)**
 - Workshop on computers**
 - Workshop on trachea models**
- 4:30 pm ◇ END OF SESSION
DELIVERY OF CERTIFICATES OF ATTENDANCE



COURSE OBJECTIVES

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

EDUCATIONAL METHODS

- ◇ Didactic lectures provided by world-renowned experts
- ◇ 2 half-days of hands-on practice on live tissue, mannequins, computer simulation software, and trachea models

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