



2022

STRASBOURG UNIVERSITY

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

ADVANCED COURSE

DATE

November 28 - 29

COURSE DIRECTOR

P. Diemunsch (FR)

ircad
France

NOVEMBER 28

ANESTHESIA

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 2022
- > 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 DURING THE 2 DAYS

Workshop on mannequins

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

Workshop on live tissue (mini-pigs)

- > Front of the neck airway approach
- > US for the upper and lower respiratory tract, tracheal approach
- > FAST Echo
- > 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

NOVEMBER 29

ANESTHESIA

8:15 am ◦ WELCOME COFFEE AND EVALUATION OF THE PREVIOUS DAY

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 the NAP4: key points & perspectives
- > Discussion

12:15 pm ◦ LUNCH AT THE INSTITUTE

1:00 pm ◦ **HANDS-ON SESSION**

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Workshop on mannequins

Workshop on live tissue (mini-pigs)

Workshop on computers

Workshop on trachea models

4:30 pm ◦ END OF SESSION

DELIVERY OF CERTIFICATE OF ATTENDANCE

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 present new technologies on living animal models
- > To allow for training with new devices related to respiration
- > To train on mannequins and computer simulation software

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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