

A photograph of two surgeons in an operating room, wearing blue scrubs, masks, and hairnets. They are looking towards the right side of the frame. The background shows surgical equipment and bright lights.

**I R C A D ·  
F R A N C E**

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

**2019**

**ADVANCED COURSE  
DECEMBER 2-3**

**COURSE DIRECTOR  
P. DIEMUNSCH ·F·**

## COURSES 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).



This course is endorsed by the European Airway Management Society (EAMS).

## COURSE DIRECTOR

Pr. Pierre DIEMUNSCH France

## INTERNATIONAL & FRENCH INVITED FACULTY

Pr. Christian APFEL	USA
Pr. Michael AZIZ	USA
Pr. Tom BARNES	UK
Pr. Richard COOPER	Canada
Pr. Samir JABER	France
Pr. Michael KRISTENSEN	Denmark
Pr. David LINTON	South Africa
Pr. Anil PATEL	UK
Pr. Jean-Damien RICARD	France
Pr. Meryn SINGER	UK
Pr. Marcus SKINNER	Australia
Pr. Klaus TORP	USA
Pr. Jean-Louis VINCENT	Belgium

## LOCAL FACULTY – STRASBOURG/FRANCE

Dr. Thien-Nga CHAMARAUX  
Dr. Antoine CHARTON  
Dr. Jeanne CHARTON  
Dr. Sophie DIEMUNSCH  
Dr. Maryse HENGEN  
Dr. Stefanie KOESSLER  
Dr. Pierre-Olivier LUDES  
Dr. Alain MEYER  
Dr. Eric NOLL  
Pr. Julien POTTECHER

# Monday December 2, 2019

---

## MORNING

08.10 am Welcoming of participants (course material, administrative data)

### 08.30 am OPENING SESSION IN AUDITORIUM CHAIRMEN: S. Jaber & P. Diemunsch

---

08.30	Welcome - Introduction	P. Diemunsch
08.45	From hypoxemia to hypoxia	J.L. Vincent
09.15	Hyperoxaemia – how bad is it?	M. Singer
09:45	Discussion	

10.00 am Coffee Break

### 10.15 am THEORETICAL SESSION IN AUDITORIUM

---

	THRIVE : what's new since the 2015 core papers	A. Patel
10.45	THRIVE : How does it work ? The physicist's approach	T. Barnes
11.15	THRIVE : clinical application in ICU	J-D. Ricard
11.45	The cuirass ventilation device : principles & practice	D. Linton
12.15	Discussion	
12.25	GROUP PICTURE	All Faculty members & Participants

12.30 pm Lunch at the institute

# Monday December 2, 2019

## AFTERNOON

### 01.30 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY (3<sup>rd</sup> floor)

Workshops are run in parallel. Participants will have access to all workshops during the 2 days (40 minutes per workshop and per team).

WORKSHOP	TITLE	WORKSHOP TUTORS
<b>Table 1</b>	Fast Echo: pneumothorax, hemoperitoneum Usual and miniaturized devices	T-N. CHAMARAUX J. CHARTON
<b>Table 2</b>	High flow oxygen therapy & ORI	S. DIEMUNSCH M. HENGEN
<b>Table 3</b>	Anesthesia ventilator settings & ICU ventilator settings - lung electrical impedance tomography	S. JABER J. POTTECHER
<b>Table 4 &amp; 13</b>	Combined approach for difficult intubation: videolaryngoscopy & fiberoptic bronchoscopy	P. DIEMUNSCH S. KOESSLER
<b>Table 5 &amp; 14</b>	Surgical airway : transtracheal approach & tracheoscopic control	K. TORP
	Surgical airway : cricothyrotomy approach	K. TORP
<b>Table 6</b>	Single lung ventilation solutions	A. CHARTON
<b>Table 7</b>	Sedation / LA / Topical anesthesia for awake FOB	R. COOPER
<b>Table 8</b>	ICU ventilator	E. NOLL
<b>Table 9</b>	Biphasic Cuirass Ventilation	D. LINTON
<b>Table 10 &amp; 11</b>	The Virtual Fiberoptic Intubation microsimulation program (VFI)	P. DIEMUNSCH S. DIEMUNSCH
<b>Table 16 &amp; 17</b>	US guidance for airway management: human model	M. KRISTENSEN P.O. LUDES
	US guidance for airway management: Pig model and trial	

05.30 pm End of session - Evening free

# Tuesday December 3, 2019

---

## MORNING

08.15 am Welcome coffee

### 08.30 am THEORETICAL SESSION IN AUDITORIUM CHAIRMEN: P. Diemunsch

---

- |       |  |            |
|-------|--|------------|
| 08.30 | Latest news in supraglottic airways: the LMA Gastro  | M. Skinner |
| 09.00 | Personalizing cancer therapy                         | C. Apfel   |
| 09.30 | Optimal ventilator settings in the OR and in the ICU | S. Jaber   |
| 10.00 | Extubation in the OR, the PACU and ICU               | R. Cooper  |

10.30 am Coffee Break

### 10.45 am THEORETICAL SESSION IN AUDITORIUM

---

- |       |  |                   |
|-------|--|-------------------|
|       | Predictive signs for difficult airways : intubation, face mask ventilation and videolaryngoscopy | M. Aziz           |
| 11.15 | Ultrasound and airway management   | M. Kristensen     |
| 11.45 | Discussion   | All faculty panel |

12.00 pm Lunch at the institute

# Tuesday December 3, 2019

## AFTERNOON

### 01.00 pm PRACTICAL SESSION IN EXPERIMENTAL LABORATORY (3<sup>rd</sup> floor)

Workshops are run in parallel. Participants will have access to all workshops during the 2 days (40 minutes per workshop and per team).

WORKSHOP	TITLE	WORKSHOP TUTORS
<b>Table 1</b>	Fast Echo: pneumothorax, hemoperitoneum Usual and miniaturized devices	T-N. CHAMARAUX J. CHARTON
<b>Table 2</b>	High flow oxygen therapy & ORI	S. DIEMUNSCH M. HENGEN
<b>Table 3</b>	Anesthesia ventilator settings & ICU ventilator settings - lung electrical impedance tomography	S. JABER J. POTTECHER
<b>Table 4 &amp; 13</b>	Combined approach for difficult intubation: videolaryngoscopy & fiberoptic bronchoscopy	P. DIEMUNSCH S. KOESSLER
<b>Table 5 &amp; 14</b>	Surgical airway : transtracheal approach & tracheoscopic control	K. TORP
	Surgical airway : cricothyrotomy approach	K. TORP
<b>Table 6</b>	Single lung ventilation solutions	A. CHARTON
<b>Table 7</b>	Sedation / LA / Topical anesthesia for awake FOB	R. COOPER
<b>Table 8</b>	ICU ventilator	E. NOLL
<b>Table 9</b>	Biphasic Cuirass Ventilation	D. LINTON
<b>Table 10 &amp; 11</b>	The Virtual Fiberoptic Intubation microsimulation program (VFI)	P. DIEMUNSCH S. DIEMUNSCH
<b>Table 16 &amp; 17</b>	US guidance for airway management: human model	M. KRISTENSEN P.O. LUDES
	US guidance for airway management: Pig model and trial	

04.30 am End of the course – Delivery of certificate of attendance

# NOTE PAD

A large rectangular area with a light gray background, containing 20 horizontal dashed lines for writing.