



SIMULATION LAB

Procedural Simulation Workshops

About the workshops:

During each of these 90-min sessions, hands-on training will be provided on specific perioperative procedures. Instructors will demonstrate the skills and then guide, observe and provide feedback to participants while they perform the procedures on their own. A variety of live models, virtual reality simulators, part task trainers and ultrasound machines will be available to facilitate and improve learning.

Programme overview:

The 2023 procedural simulation programme includes the following topics:



Hands-on thoracic anaesthesia workshop: lung isolation techniques and basic bedside lung ultrasound



Emergency front of neck access, airway ultrasound and gastric ultrasound



Brain ultrasound hands-on workshop: an open window to the brain of your patient



Hands-on workshop on basic neonatal resuscitation, umbilical vein catheterization and intraosseous access



Cardiac and vascular Point-of-Care Ultrasound (POCUS) workshop

Specific learning objectives and target audience are defined for each workshop topic.

Chairs:

Georges Savoldelli (Geneva, Switzerland)
Dan Benhamou (Paris, France)
Doris Oestergaard (Herlev, Denmark)

PRO

Procedural
Workshop

Hands-on thoracic anaesthesia workshops: Lung isolation techniques and basic bedside lung ultrasound

**Repeated twice

Learning objectives:

During this session, participants will:

- learn and perform lung isolation using various types of R and L-sided double lumen tubes;
- learn and perform lung isolation using various types of bronchial blockers;
- learn how to use tube exchanger catheters;
- practice these skills on part-task trainers and virtual reality simulators;
- learn and practice basic bedside lung ultrasound on live models.

Target audience:

Residents, fellows and practitioners interested in improving their skills and knowledge in the field.

Instructors:

Mark Steven (Glasgow, United Kingdom)
Gabriele Casso (Lugano, Switzerland)
Edmond Cohen (New York, United States)
Nuzhet Mert Senturk (Istanbul, Turkey)
Federico Piccioni (Milan, Italy)
Ross Hofmeyr (Cape Town, South Africa)

SIMPRO1

Hands-on thoracic anaesthesia workshop: Lung isolation techniques and basic bedside lung ultrasound (1)

03 June 2023
10:30 – 12:00
SimSpace 3

**IMPORTANT NOTICE: access to this PROCEDURAL workshop is limited to pre-registered delegates

SIMPRO2

Hands-on thoracic anaesthesia workshop: Lung isolation techniques and basic bedside lung ultrasound (2)

03 June 2023
13:00 – 14:30
SimSpace 3

**IMPORTANT NOTICE: access to this PROCEDURAL workshop is limited to pre-registered delegates

PRO

Procedural
Workshop

Emergency front of neck access, airway ultrasound and gastric ultrasound

**Repeated twice

Learning objectives:

During this session, participants will:

- learn and perform basic assessment of the airway using ultrasound;
- learn how to recognize and locate the cricoid membrane using ultrasound;
- learn and perform surgical cricothyrotomy based on the most recent guidelines;
- practice Scalpel cricothyrotomy and Seldinger method cricothyrotomy;
- learn and perform gastric ultrasound.

Target audience:

Residents, fellows and practitioners interested in improving/rehearsing their skills and knowledge in the field.

Instructors:

Georges L. Savoldelli (Geneva, Switzerland)
Patrick Schoettker (Lausanne, Switzerland)
Dan Benhamou (Paris, France)
Gary Rodgers (Glasgow, United Kingdom)
Edward Mellanby (Edinburgh, United Kingdom)

03 June 2023
16:00 – 17:30
SimSpace 3

SIMPRO3

Emergency front of neck access, airway ultrasound and gastric ultrasound (1)

**IMPORTANT NOTICE: access to this PROCEDURAL workshop is limited to pre-registered delegates

04 June 2023
08:30 – 10:00
SimSpace 3

SIMPRO4

Emergency front of neck access, airway ultrasound and gastric ultrasound (2)

**IMPORTANT NOTICE: access to this PROCEDURAL workshop is limited to pre-registered delegates

PRO

Procedural
Workshop

Brain ultrasound **BASIC** hands-on workshop: An open window to the brain of your patient

**Participants in the basic session may also register for the afternoon session for advanced training.

Learning objectives:

During this session, participants will:

- learn how to perform basic assessment of the brain – recognize basic method of the five reference planes (temporal window);
- learn how to determine structural problems (median shift, ventricular system problems, etc.);
- learn how to visualize anterior and posterior segments of the Willis polygon through the temporal window;
- learn how to assess the intracranial pressure;
- learn the basics of the Transcranial Color-Coded Sonography (TCCS);
- Eyeball/optic nerve sonography how and why (new perspectives).

Target audience:

"Intermediate" neuro-anaesthetists, neuro-intensivists, intensivists or emergency physicians interested in developing/improving their skills and knowledge in the field.

Instructors:

Isabel Estruch-Pons (Brussels, Belgium)
Pierre C. A. Pandin (Brussels, Belgium)
Rita Bertuetti (Brescia, Italy)
Maelle Parvais (Brussels, Belgium)

SIMPRO5

Brain ultrasound **BASIC** hands-on workshop: An open window to the brain of your patient

**IMPORTANT NOTICE: access to this PROCEDURAL workshop is limited to pre-registered delegates

04 June 2023
11:00 – 12:30
SimSpace 3

PRO

Procedural
Workshop

Brain ultrasound **ADVANCED** hands-on workshop: An open window to the brain of your patient

**Participants in the advanced session may also register for the basic workshop in the morning.

Learning objectives:

- Advanced and integrated handling (BW, Doppler and PW) of the neurosonological method of the five reference brain planes - Complete examination at the patient's bed;
- Learn and handle the fast neurosonological sequence NEUROFAST for a global brain assessment (integration and complementarity with Brain Function Monitoring);
- Indirect (assessment) and direct (calculation) measurement of ICP
- Learn how to use of the image fusion modality (neurosono/CTscan, neurosono/MRI) at the patient's bed: development and future perspectives;
- Interactive discussion of neurosonological imaging cases in everyday advanced practice.

Target audience:

"Skilled" neuro-anaesthetists, neuro-intensivists, intensivists or emergency physicians interested in developing/improving their skills and knowledge in the field.

Instructors:

Isabel Estruch-Pons (Brussels, Belgium)
Pierre C. A. Pandin (Brussels, Belgium)
Rita Bertuetti (Brescia, Italy)
Melle Parvais (Brussels, Belgium)

SIMPRO6

Brain ultrasound **ADVANCED** hands-on workshop: An open window to the brain of your patient

**IMPORTANT NOTICE: access to this PROCEDURAL workshop is limited to pre-registered delegates

04 June 2023
14:00 – 15:30
SimSpace 3

PRO

Procedural
Workshop

Hands-on workshops on basic neonatal resuscitation, umbilical vein catheterization and intraosseous access

**Repeated twice

Learning objectives:

During this session, participants will:

- learn and practice basic neonatal resuscitation;
- learn and practice umbilical vein catheterization;
- learn and practice intraosseous access in a neonate.

Target audience:

Residents, fellows and practitioners interested in improving/rehearsing their skills and knowledge in the field.

Instructors:

Nicola Disma (Genova, Italy)
Thierry Pirotte (Brussels, Belgium)
Omair Malik (Edinburgh, United Kingdom)
Lyndsey Forbes (Glasgow, United Kingdom)

04 June 2023
16:00 – 17:30
SimSpace 3

SIMPRO7

Hands-on workshop on basic neonatal resuscitation, umbilical vein catheterization and intraosseous access (1)

**IMPORTANT NOTICE: access to this PROCEDURAL workshop is limited to pre-registered delegates

05 June 2023
09:00 – 10:30
SimSpace 3

SIMPRO8

Hands-on workshop on basic neonatal resuscitation, umbilical vein catheterization and intraosseous access (2)

**IMPORTANT NOTICE: access to this PROCEDURAL workshop is limited to pre-registered delegates

PRO

Procedural
Workshop

Cardiac and vascular Point-of-Care Ultrasound (POCUS) workshops

**Repeated twice

Learning objectives:

During this session, participants will:

- learn indications and how to perform a focused cardiac ultrasound examination using Transthoracic echocardiography (TTE);
- practice focused cardiac ultrasound examination on live models and on a virtual simulator;
- learn how to recognize and assess pericardial effusion/cardiac tamponade, left and right ventricular size and function, intravascular volume status;
- learn how to recognize and assess the thoracoabdominal aorta, the inferior vena cava and the proximal deep veins.

Target audience:

"Novice and intermediate" residents, fellows and practitioners interested in improving their skills and knowledge in the field.

Instructors:

Samy Figueiredo (Paris, France)
Hatem Soliman Aboumarie (London, United Kingdom)
Philip McCall (Glasgow, United Kingdom)
Richard Cowan (Glasgow, United Kingdom)

SIMPRO9

Cardiac and vascular Point-of-Care Ultrasound (POCUS) workshop (1)

05 June 2023
11:00 – 12:30
SimSpace 3

**IMPORTANT NOTICE: access to this PROCEDURAL workshop is limited to pre-registered delegates

SIMPRO10

Cardiac and vascular Point-of-Care Ultrasound (POCUS) workshop (2)

05 June 2023
13:30 – 15:00
SimSpace 3

**IMPORTANT NOTICE: access to this PROCEDURAL workshop is limited to pre-registered delegates