



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:

To be confirmed

03 June 2023
10:30 – 12:00
SimSpace 3

SIMPRO1

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

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

03 June 2023
13:00 – 14:30
SimSpace 3

SIMPRO2

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

**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:

To be confirmed

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:

To be confirmed

04 June 2023
11:00 – 12:30
SimSpace 3

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

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:

To be confirmed

SIMPRO6

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

04 June 2023
14:00 – 15:30
SimSpace 3

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

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:

To be confirmed

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)

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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:

To be confirmed

05 June 2023
11:00 – 12:30
SimSpace 3

SIMPRO9

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

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

05 June 2023
13:30 – 15:00
SimSpace 3

SIMPRO10

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

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