

PRELIMINARY SCIENTIFIC PROGRAMME

POCUS in Surgery

25–26 November 2026 | University Clinical Centre of Serbia, Belgrade

Target educational level: Advanced

Expected participants: 24 | Course language: Serbian

Teaching methods: lectures, supervised practical exercises, small-group work, discussion and final knowledge test.

DAY 1 — Trauma and Acute Abdomen

Time	Topic / content	Teaching method	Faculty / responsible team
08:30–09:00	Participant registration and distribution of course materials		Organising committee
09:00–09:15	Opening ceremony and introductory remarks		SECHO and SSES leadership
09:15–10:00	Ultrasound physics and artefacts in POCUS: -probe selection, machine settings (knobology) -common pitfalls and how to avoid them	Lecture	Dr Dragan Vasin
10:00–11:00	eFAST in the trauma bay: -right upper quadrant (Morison's pouch), -left upper quadrant and spleen, -pelvic window and free fluid, -thoracic window for pneumothorax and haemothorax	Lecture	Dr Jelica Vukmirović; Dr Dušan Micić
11:00–11:30	Coffee break	—	—
11:30–13:00	Hands-on workshop - Part I: -eFAST views and image optimisation using models	Practical exercises; small-group work	All instructors
13:00–14:00	Lunch break	—	—
14:00–15:15	POCUS in the acute abdomen (non-traumatic conditions): -acute cholecystitis and biliary obstruction; -ileus and small-bowel obstruction (diameter, peristalsis); -acute appendicitis and diverticulitis—key surgical landmarks	Lecture	Dr Milica Mitrović-Jovanović; Dr Krstina Doklešić Vasiljev
15:15–15:45	Aorta and vascular emergencies:	Lecture	Dr Oliver Radmil; Dr Perica Mutavdžić

	-screening and measurement of abdominal aortic aneurysm (AAA); -recognition of rupture and dissection		
15:45–17:00	Hands-on workshop - Part II: -gallbladder, bowel and abdominal aorta examination	Practical exercises; small-group work	All instructors

DAY 2 — Shock, Perioperative Assessment and Interventions

Time	Topic / content	Teaching method	Faculty / responsible team
09:00–10:15	POCUS in shock and haemodynamic assessment (RUSH protocol): - “pump” (heart—global contractility, pericardial effusion); - “tank” (inferior vena cava—volume status); - “pipes” (AAA, DVT)	Lecture	Dr Marija Milenković; Dr Aleksandar Pavlović
10:15–11:00	Lung ultrasound in critically ill surgical patients: -BLUE protocol and differential diagnosis of dyspnoea; -atelectasis, pneumonia and postoperative pleural effusion	Lecture	Dr Nikola Čolić
11:00–11:30	Coffee break	—	—
11:30–13:00	Hands-on workshop - Part III: -RUSH protocol, IVC assessment and lung ultrasound	Practical exercises; small-group work	All instructors
13:00–14:00	Lunch break	—	—
14:00–15:00	Ultrasound-guided surgical procedures and interventions: -targeted puncture and drainage of intra-abdominal collections/abscesses; -ultrasound-guided central and peripheral vascular access	Lecture	Dr Miloš Zakošek; Dr Miloš Raspopović
15:00–16:30	Hands-on workshop - Part IV: -ultrasound-guided puncture and needle navigation using phantoms	Practical exercises; small-group work	All instructors

16:30–17:00	Final knowledge test, discussion and certificate distribution	Knowledge test and discussion	SECHO and SSES leadership
-------------	---	----------------------------------	------------------------------

Faculty list

- Dr Dragan Vasin, Teaching Assistant, University Clinical Centre of Serbia
- Dr Krstina Doklešić Vasiljev, Professor, University Clinical Centre of Serbia
- Dr Dušan Micić, Assistant Professor, University Clinical Centre of Serbia
- Dr Marija Milenković, Teaching Assistant, University Clinical Centre of Serbia
- Dr Milica Mitrović-Jovanović, Teaching Assistant, University Clinical Centre of Serbia
- Dr Jelica Vukmirović, University Clinical Centre of Serbia
- Dr Oliver Radmil, University Clinical Centre of Serbia
- Dr Perica Mutavdžić, Teaching Assistant, University Clinical Centre of Serbia
- Dr Aleksandar Pavlović, University Clinical Centre of Serbia
- Dr Nikola Čolić, Teaching Assistant, University Clinical Centre of Serbia
- Dr Miloš Zakošek, Teaching Assistant, University Clinical Centre of Serbia
- Dr Miloš Raspopović, University Clinical Centre of Serbia