

# Advanced techniques in the ICCU

<i>Section</i>	<i>Session title</i>	<i>Date</i>
I	"How-to"	Friday 20/01
II	"Next-step"	Friday 27/01
III	"When-to" ("Hands-on")	<b>Saturday</b> <b>28/01</b>
IV	"From bench-to-bedside I"	Friday 03/02
V	"From bench-to-bedside II" ("Hands-on")	<b>Saturday</b> <b>04/02</b>
VI	"Extra corporal "	Friday 10/02
VII	"But still going" ("Hands-on") + QUIZZ	Friday <b>17/02</b>

## Section I: “How-to”

20/01/2023

Timing	Presentation/ Objectives	Type of presentation
14h00 _ 14h10	Introduction (Welcome message) and Pre-test (Google Forms)	
<b>“How-to access”</b>		
14h10 _ 15h25	Central venous lines (Landmark and Ultra-Sound guided techniques)	
15h30 _ 16h15	Arterial lines (Landmark and Ultra-Sound guided techniques)	
16h15 _ 16h30	Coffee Break	
<b>Drainage procedures</b>		
16h30 _ 17h15	Pericardiocentesis for clinical practice	
17h15 _ 17h50	Chest tubes for clinical practice	
17h50 _ 18h00	Conclusions and Post-test (10 min) (Google Forms)	

## Section II: “Next-step”

27/01/2023

Timing	Presentation/ Objectives	Type of presentation
14h00 _ 14h10	Introduction (Welcome message) and Pre-test ( <b>Google Forms</b> )	
<b>Invasive monitoring</b>		
14h10 _ 14h40	Invasive BP monitoring	
14h45 _ 15h45	PP evaluation	
15h50 _ 16h00	Intra-abdominal pressure	
16h00 _ 16h15	<b>Coffee Break</b>	
<b>Drugs in the ICU</b>		
16h15 _ 17h50	Inotropes and vasoactive agents	
17h50 _ 18h00	Conclusions and Post-test (10 min) ( <b>Google Forms</b> )	

## Section III: “When-to” + “Hands-on”

28/01/2023

Timing	Presentation/ Objectives	Type of presentation
8h00 _ 8h10	Introduction (Welcome message) and Pre-test ( <b>Google Forms</b> )	
<b>Ventilation</b>		
8h10 _ 8h50	Overview	
8h50 _ 9h50	Non-invasive oxygenation	
9h50 _ 10h05	<b>Coffee Break</b>	
10h05 _ 11h00	Invasive Mechanical ventilation	
11h00 _ 12h00	Clinical cases	
12h00 _ 12h30	<b>Lunch Break</b>	
12h30 _ 13h50	Intubation for clinical practice	
13h50 _ 14h00	Conclusions and Post-test (10 min) ( <b>Google Forms</b> )	

## Section IV: “From bench-to-bedside I”

03/02/2023

Timing	Presentation/ Objectives	Type of presentation
14h00 _ 14h10	Introduction (Welcome message) and Pre--test <b>(Google Forms)</b>	
<b>Echo Team in the ICU</b>		
14h10 _ 15h10	Hemodynamic monitoring	
15h15 _ 16h00	Diagnostic tool	
16h00 _ 16h20	<b>Coffee Break</b>	
16h20 _ 17h20	Right heart assessment	
17h20 _ 18h00	Lungs assessment	
17h55 _ 18h05	Conclusions and Post-test (10 min) <b>(Google Forms)</b>	

## Section V: “From bench-to-bedside II” +“Hands-on”

03/02/2023

Timing	Presentation/ Objectives	Type of presentation
8h00 _ 8h10	Introduction (Welcome message) and Pre--test <b>(Google Forms)</b>	
<b>Echo Team in the ICU</b>		
8h10 _ 11h00	Echo :Hands on	
11h00 _ 11h10	Conclusions and Post-test (10 min) <b>(Google Forms)</b>	

## Section VI: “Extra corporal “

10/02/2023

Timing	Presentation/ Objectives	Type of presentation
14h00 _ 14h10	Introduction (Welcome message) and Pre-test ( <b>Google Forms</b> )	
<b>Renal replacement therapy</b>		
14h10 _ 15h10	Continuous renal replacement therapies	
15h10 _ 15h40	Intermittent renal replacement therapies	
15h40 _ 16h25	Intermediate renal replacement therapies	
16h25 _ 16h40	Coffee Break	
<b>Circulatory assistance</b>		
16h40 _ 17h15	ECMO VV and VA (Surgeon)	
17h15 _ 17h50	ECMO VV and VA (Anaesthesiologist)	
17h50 _ 18h00	Conclusions and Post-test (10 min) ( <b>Google Forms</b> )	

## Section VII: “But still going” + “Hands-on”

17/02/2023

Timing	Presentation/ Objectives Hands-on	Type of presentation
9h00 _ 9h10	Introduction (Welcome message) and Pre-test (Google Forms)	
<b>Pacing and defibrillation</b>		
9h10 _ 10h10	External defibrillation	
10h10 _ 10h30	Temporary pacing	
10h30 _ 10h45	Coffee Break	
<b>QUIZZ Revision</b>		
10h45 _ 12h30	Conclusions and Post-test (15 min) (Google Forms)	