ECIM 2024 Ultrasound Workshop

Program

Recorded Powerpoint	Basic principles of ultrasound and knobology
	Lung assessment
	Heart assessment
Sessions	Vascular assessment for Deep Venous Thrombosis

Hands on practice

March 6th

12:45 Welcoming Session

	Station 1	Station 2	Station 3	Station 4	Station 5
	Approach to the	Approach to the Chest	Approach to the	Approach to the Chest	Approach to the
	Breathless patient 1	Pain patient 1	Breathless patient 2	Pain patient 2	Breathless patient 3
13:00	Group A	Group B	Group C	Group D	Group E
14:00	Group B	Group C	Group D	Group E	Group A
15:00	Group C	Group D	Group E	Group A	Group B
16:00	Group D	Group E	Group A	Group B	Group C
17:00	Group E	Group A	Group B	Group C	Group D

40.00	
18:00	Closing Session
_0.00	0.001110 0.0001011

Clinica	Il Case design
	Case duration: 60 min
	Clinical vignette with physical examination
	Instructor shows assessment in real time without comments, and explains what
	is doing and seeing
П	Trainee performs and comments (at least 10 min per trainee).
_	Clinical case and images/films are shown with pathologic findings
П	Trainee checklist to assure all goals are achieved
_	<u> </u>
Clinica	Il Cases Goals
Station	n 1 - Approach to the Breathless patient 1
	nonia with pleural effusion
П	Acquire adequate lung images at every thoracic point
П	Acquire adequate cardiac images
_	 Parasternal long axis
	 Parasternal short axis
	o Apical
	o Subcostal
П	Identify anatomical structures
	 Atria and ventricular walls
	Cardiac valves
	o Pericardium
	 Soft tissue
	 Ribs (bony and cartilaginous)
	 Pleural sliding
	Diaphragm
П	Identify patterns
_	o A pattern
	o Focal B lines
	o C pattern
	 Atelectasis
	 Pleural effusion
	 Collapsing ventricula (septic shock)
	 Collapsing Inferior Vena Cava
Station	n 2 - Approach to the Chest Pain patient 1
Perical	rdic effusion
	Acquire adequate cardiac images
	 Parasternal long axis
	 Parasternal short axis
	o Apical
	 Subcostal
	Identify anatomic structures in each cardiac window
	 Atria and ventricular walls
	o Cardiac valves
	o Pericardium

	Identify patterns
_	 Pericardial effusion
	 Tamponade signs
	n 3 - Approach to the Breathless patient 2
Heart j	
	Acquire adequate cardiac images
	 Parasternal long axis
	 Parasternal short axis
	o Apical
	o Subcostal
	Acquire adequate lung images at every thoracic point
	Identify anatomic structures in each window
	Atria and ventricular walls
	Cardiac valves
	o Pericardium
	 Soft tissue
	Ribs (bony and cartilaginous)
	Pleural sliding Diaphysography
	Diaphragm Identify nattorns
	Identify patterns O Diffuse B lines
	Diffuse B linesBilateral pleural effusion
	 Compromised myocardial function
	Ingurgitated Inferior Vena Cava
	o inguigitated interior vend cava
Station	n 4 - Approach to the Chest Pain patient 2
Pneum	nothorax
	Acquire adequate lung images at every thoracic point
	Acquire adequate cardiac images
	 Parasternal long axis
	 Parasternal short axis
	 Apical
	 Subcostal
	Identify anatomical structures
	 Atria and ventricular walls
	 Cardiac valves
	 Pericardium
	 Soft tissue
	 Ribs (bony and cartilaginous)
	 Pleural sliding
	 Diaphragm
	Identify patterns
	A' pattern
	 Lung point
	 Right ventricular dilatation
	 Ingurgitated Inferior Vena Cava

Station 5 - Approach to the Breathless patient 3 **Pulmonary Embolism** Acquire adequate lung images at every thoracic point Acquire adequate cardiac images o Parasternal long axis Parasternal short axis Apical Subcostal Perform lower limbs venous assement by two points compression (popliteal and femoral) ☐ Identify anatomical structures Atria and ventricular walls Cardiac valves o Pericardium Soft tissue o Ribs (bony and cartilaginous) Pleural sliding o Diaphragm o Popliteal vein and artery Femoral vein and artery Safena vein □ Identify patterns A pattern o C pattern o Right ventricular dilatation o Ingurgitated Inferior Vena Cava o Non-compressible venous structures