



Sono
School



Sonoschool Journey

Haitham Khalifa ER Specialist , Egypt
Operational Manger of Sonoschool
EgSEM Member





**Sono
School**



I have a
dream



MISSION

Sonoschool's mission is to give an efficient, fast internationally accepted Point of Care education.

VISION

Sonoschool's vision is to give Point of Care education in a new fashion, make a clinical difference on Physician's clinical practice and take the US education beyond today's limits

Director of Emergency Medicine in Usak University
Director of SonoSchool.

Dr. **Fabith Moideen**

The Chief of Emergency Medicine Department at
Baby Memorial Hospital, Calicut, India.



Dr. **Wesam Ibrahim**

Emergency Medicine Consultant, Tanta University.



Dr. **Hesham Temraz**

Radiology Specialist, Department of Medical
Imaging. NLI, Menoufia University.



Dr. **Ahmed Abdelsadek**

Emergency Medicine Senior Registrar/US&ECHO
fellow in the Mater University Hospital, Ireland.

POC
Point Of Care

Objectives

- **What is POCUS ?**
- **3rd Hand of ER Physician**
- **Why SonoSchool !**
- **Our Journey**



What is POCUS ?



(Point-of-Care Ultrasound)

Bed Side Ultrasound ?



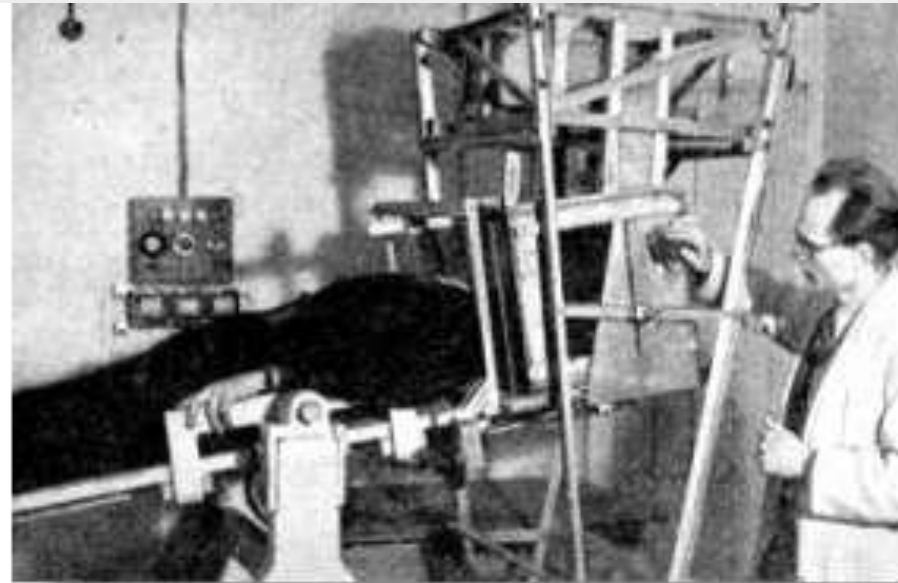
History of US Machines



1942: Karl Dussik, Neurologist and Psychiatrist at the University of Vienna, generally regarded as the first physician to use ultrasound for medical diagnosis (of brain tumors)



Karl Theo (Theodore) Dussik
1908 - 1968



Dussik and his ultrasonic apparatus in 1946

History of US Machines



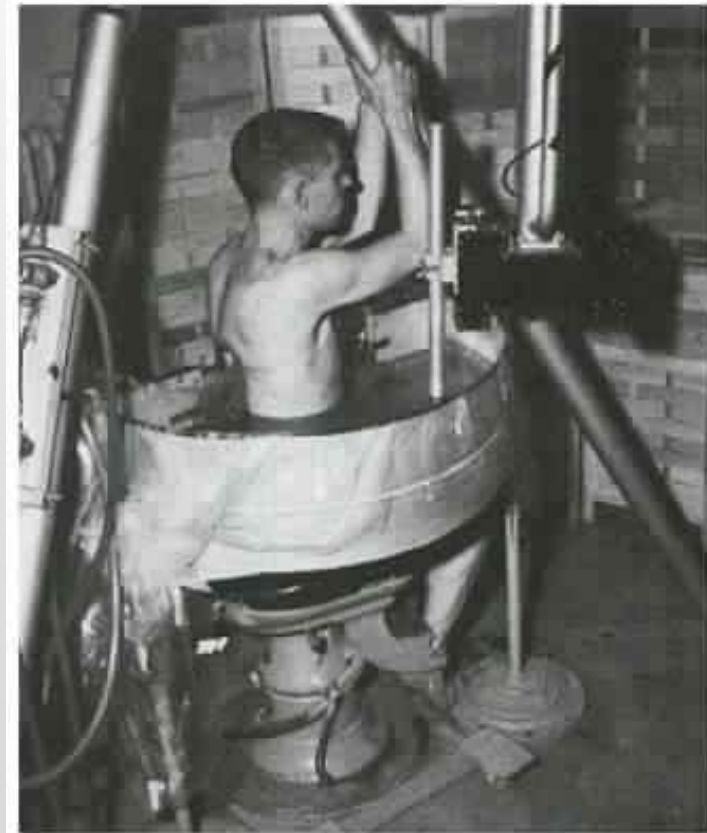
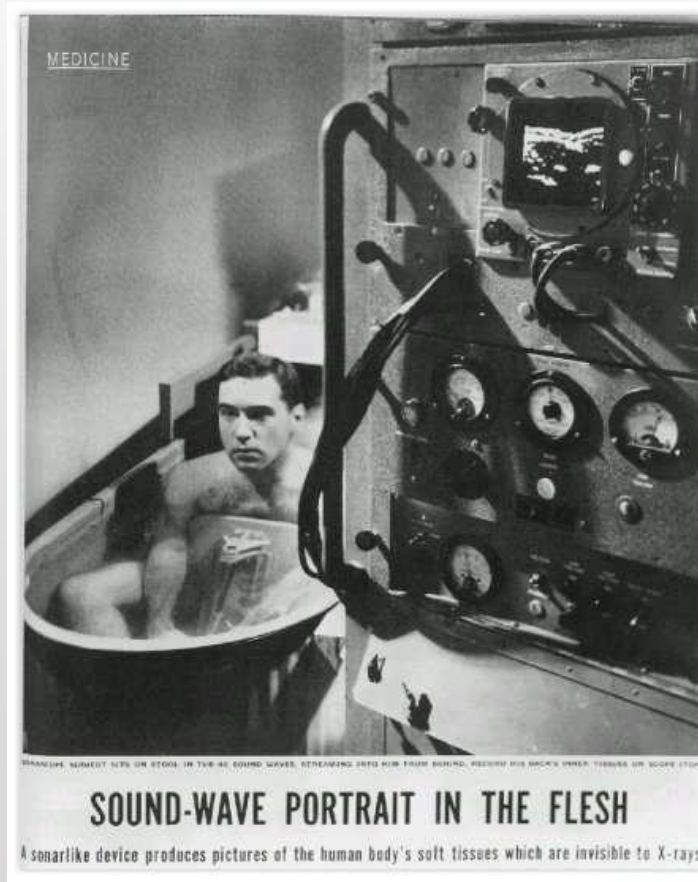
1950s: Douglass Howry & Joseph Holmes
pioneer 2D B-mode Ultrasound at the Univ. of Colorado



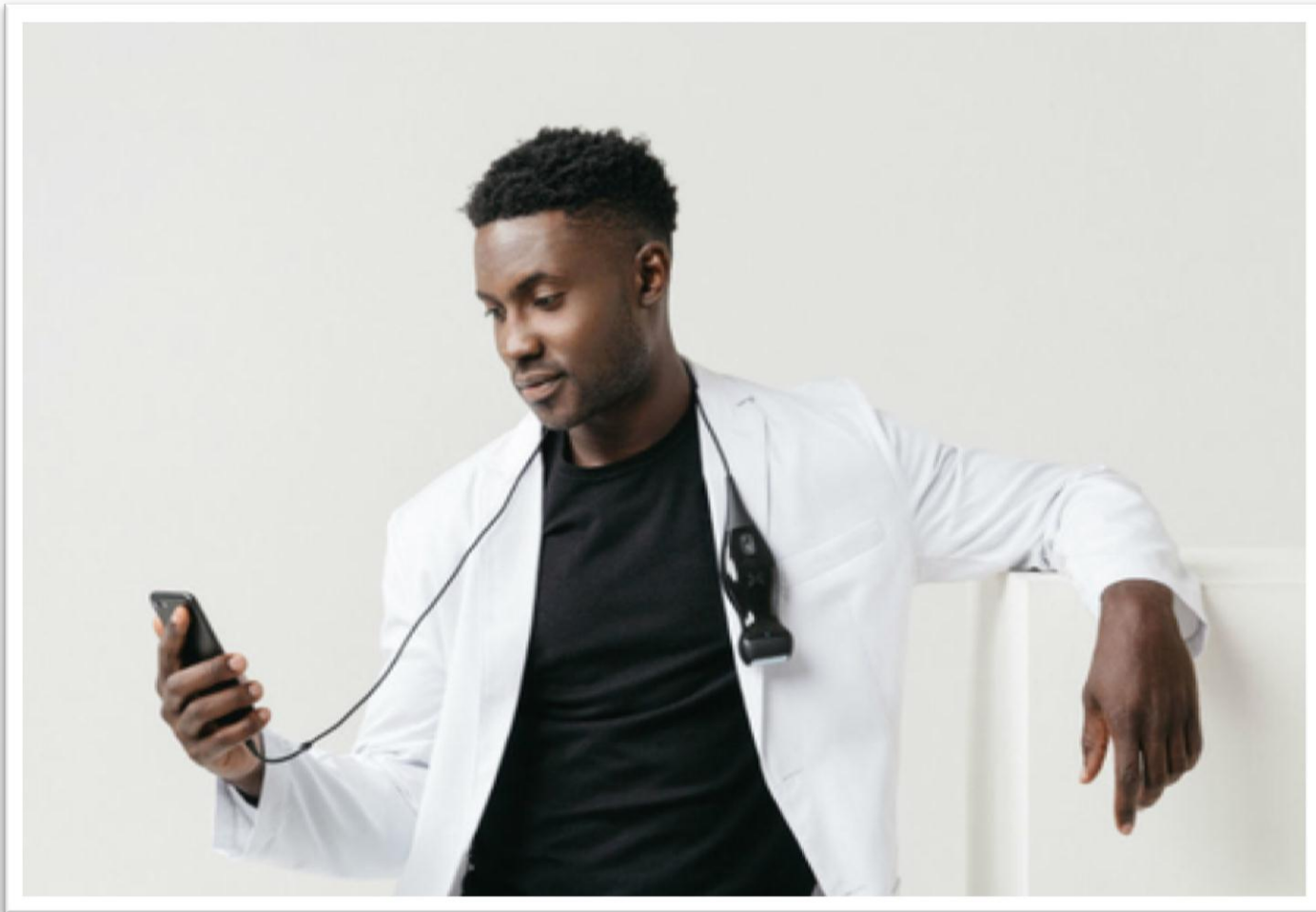
Douglass Howry, late 1960s



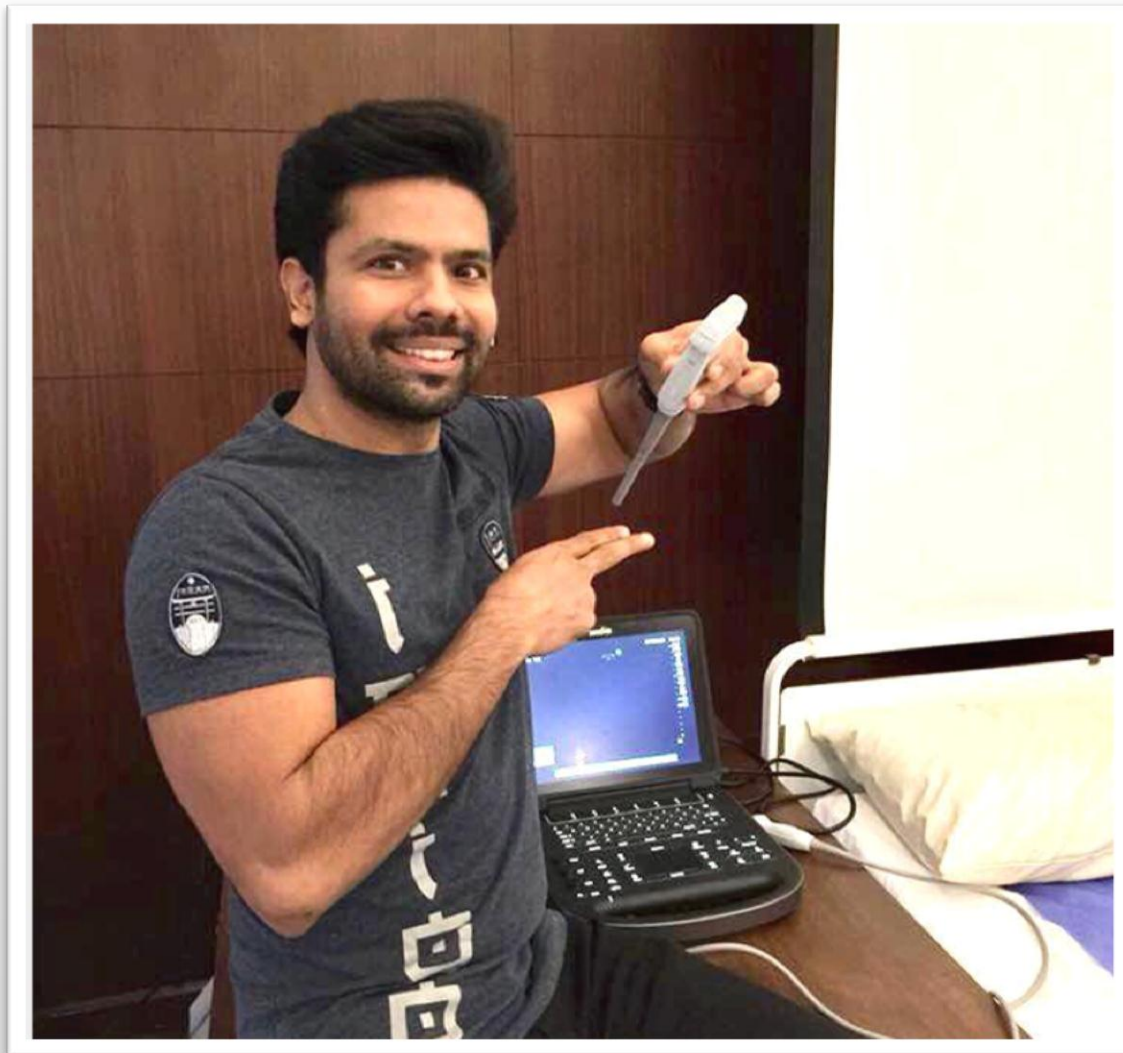
Joseph H. Holmes
1902 - 1982



Ultrasound is the real stethoscope



3rd Hand of Emergency Physician



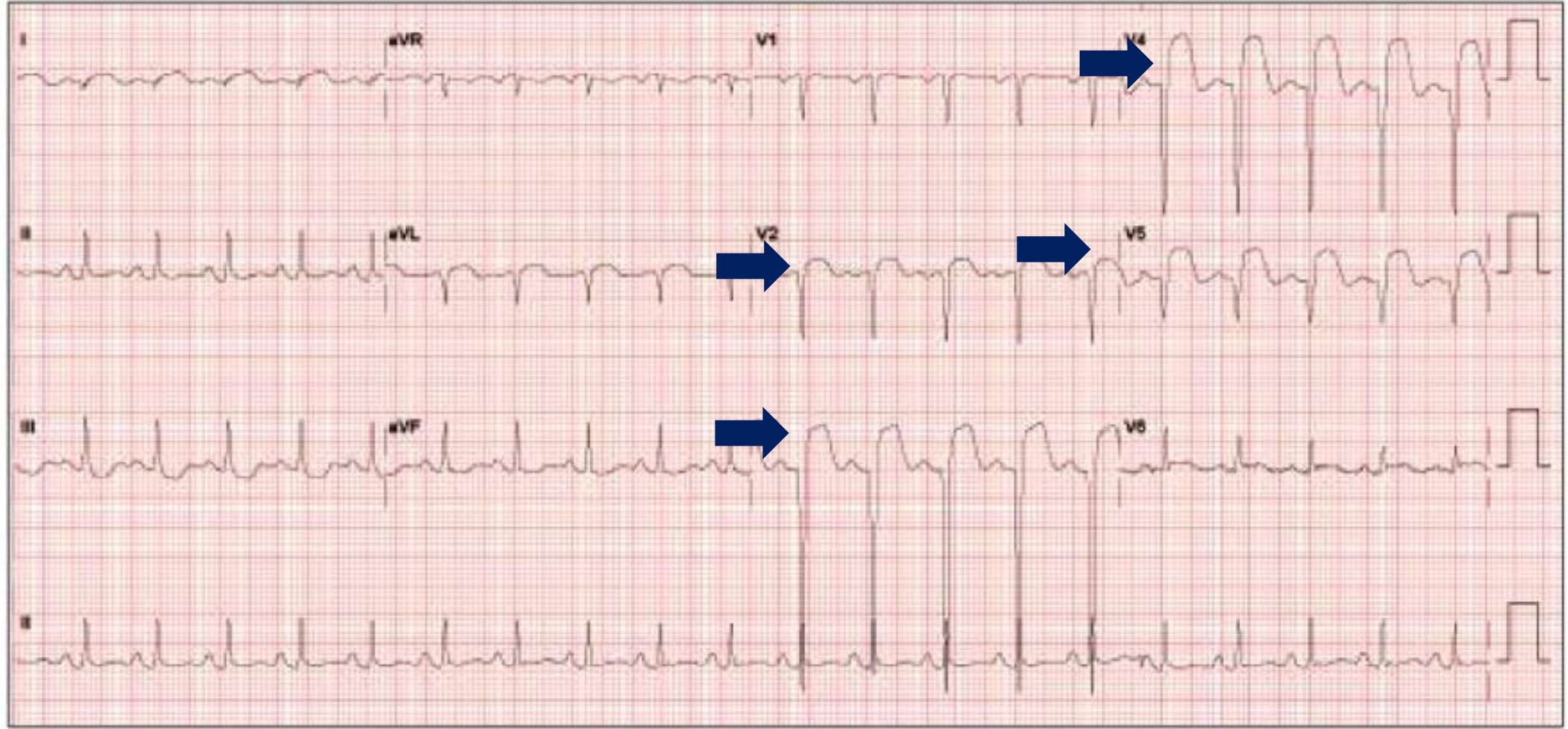
Scenario 1







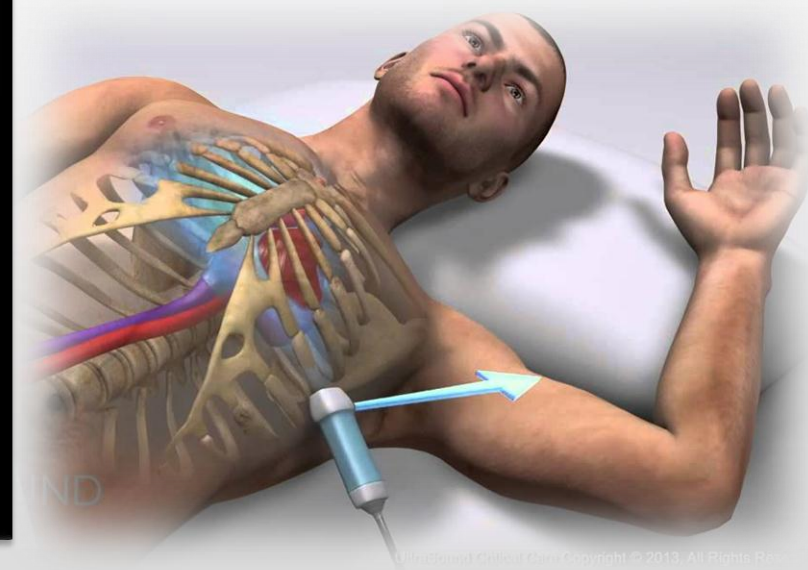




He is 21.
How can he have
an MI?









Scenario 2

WORTHLESS

347



Emergency



VITAL SIGNS

Temp = 99.1 F (37.3 C)

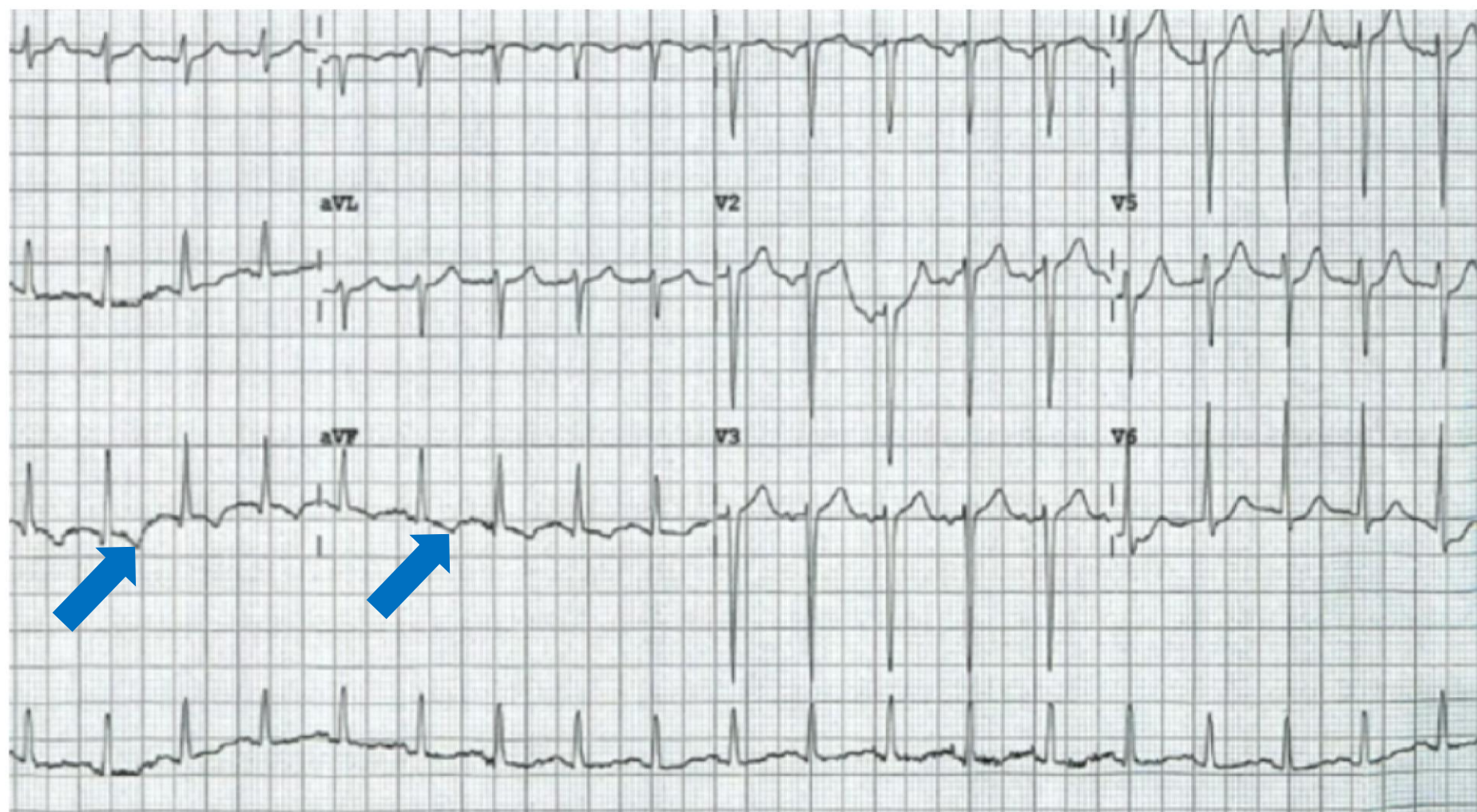
Heart Rate = 101

Respiratory Rate = 24

Blood Pressure = 119/ 66

Oxygen Saturation = 92%
(Room Air)



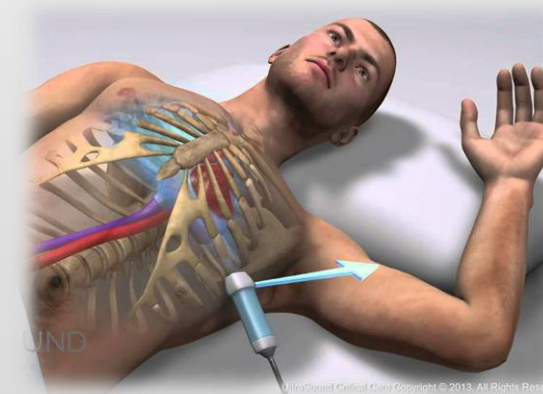
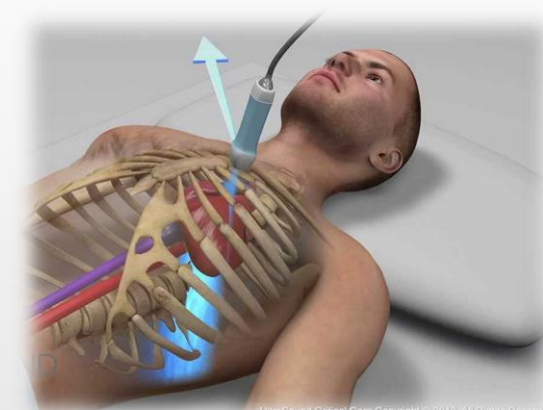








Sono
School



Remember the CXR







Troponin = 4.15 ng/mL

Troponin = 4.15 ng/mL

CATH REPORT

Diffuse coronary atherosclerotic disease with significant lesions of left main, left anterior descending, and left circumflex arteries.

Scenario 3

A person wearing a grey long-sleeved shirt is shown from the chest down to the waist. They are holding their right hand over their lower abdomen, specifically the right side, which is highlighted with a red, glowing, circular light effect, indicating pain or discomfort. The word "Constipation" is written across the middle of the image in a large, black, hand-drawn style font. The background is dark and out of focus.

Constipation



2nd Trimester





VITAL SIGNS

Heart Rate = 85

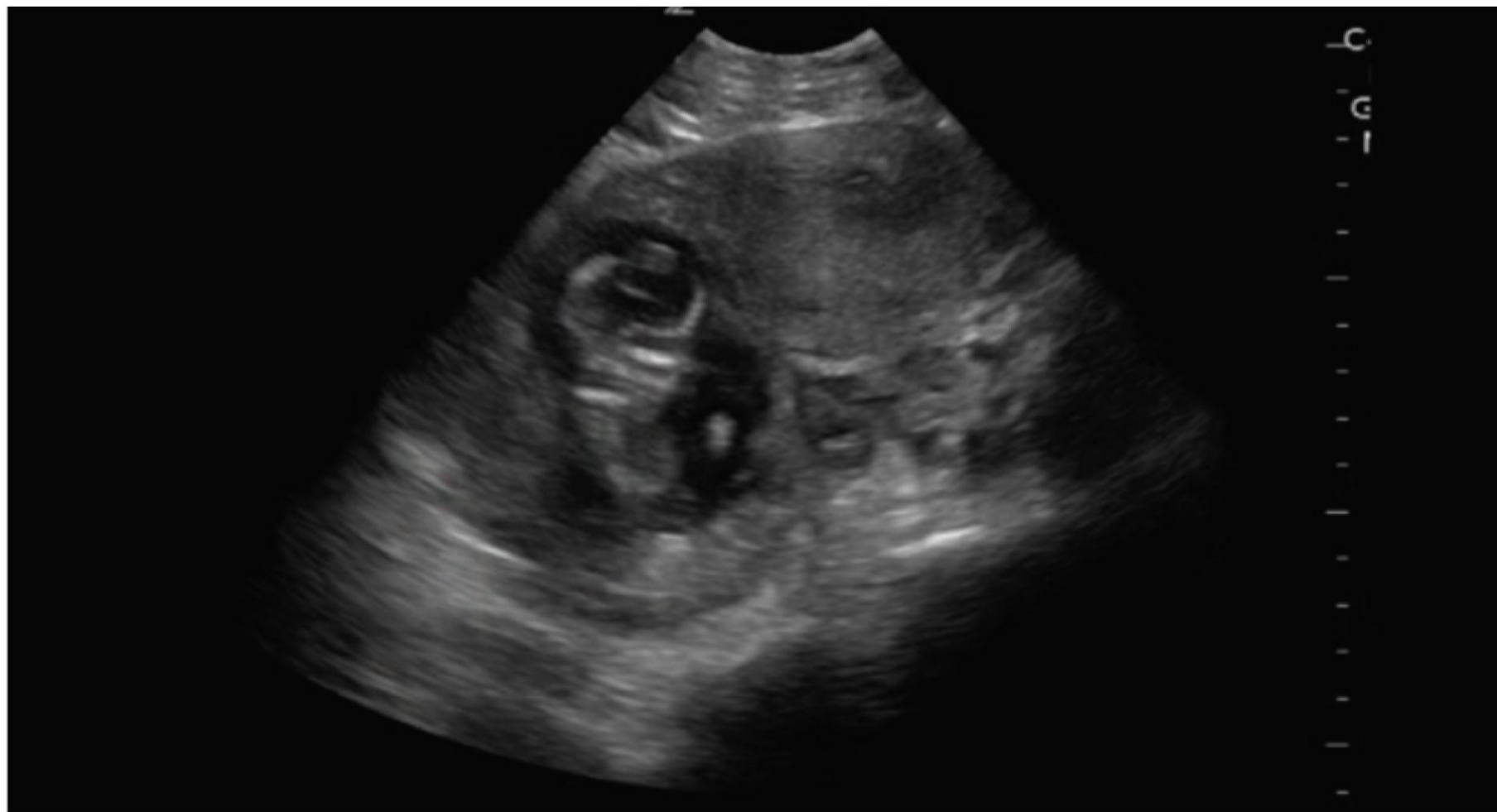
Blood Pressure = 113 / 74

Respiratory Rate = 16

Temp = 98.2 F (37 C)



Sono
School



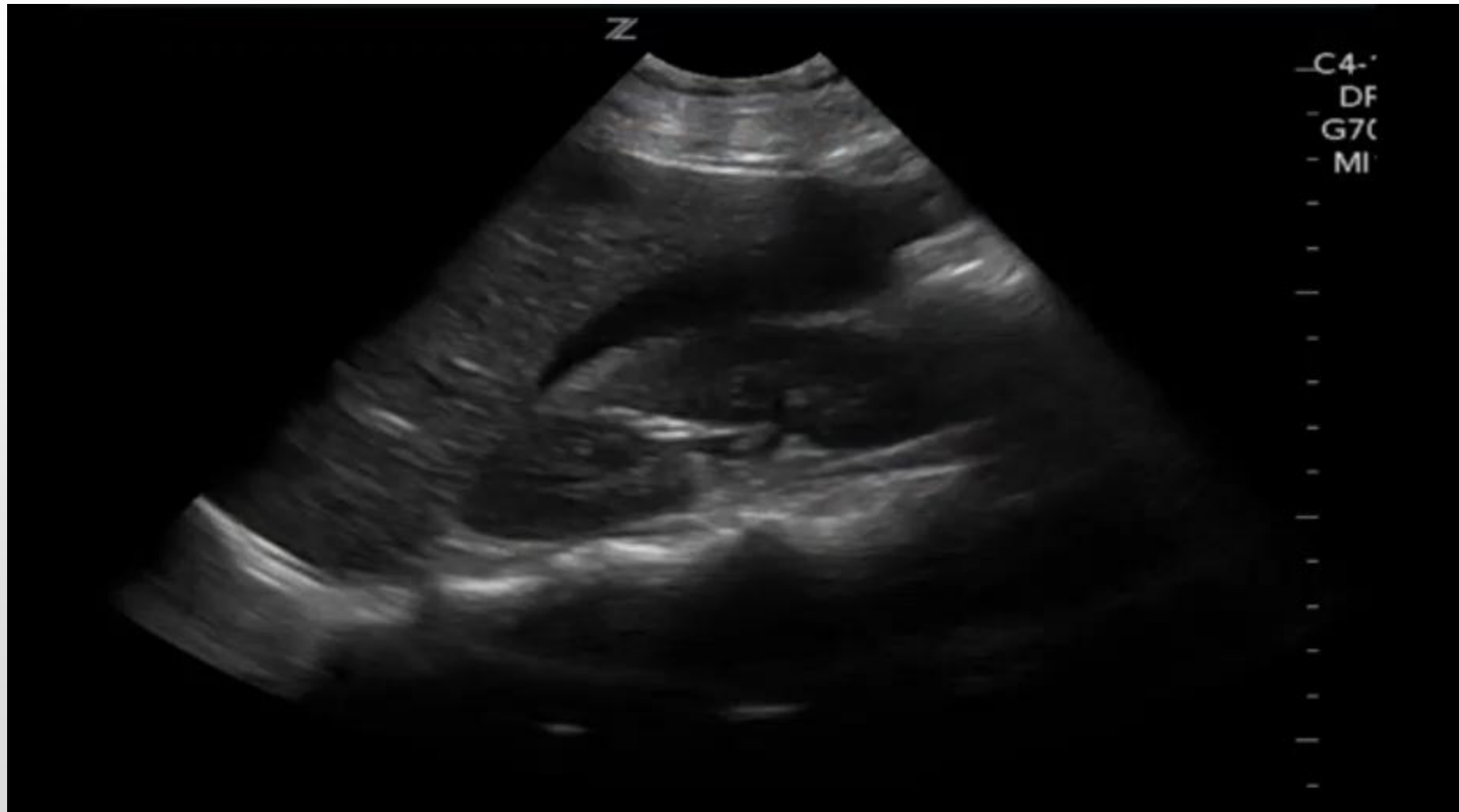
Hgb = 11 gm/dL



REPEAT CBC

Hemoglobin = 8.3 gm/dL





What is this mass?

Uterus

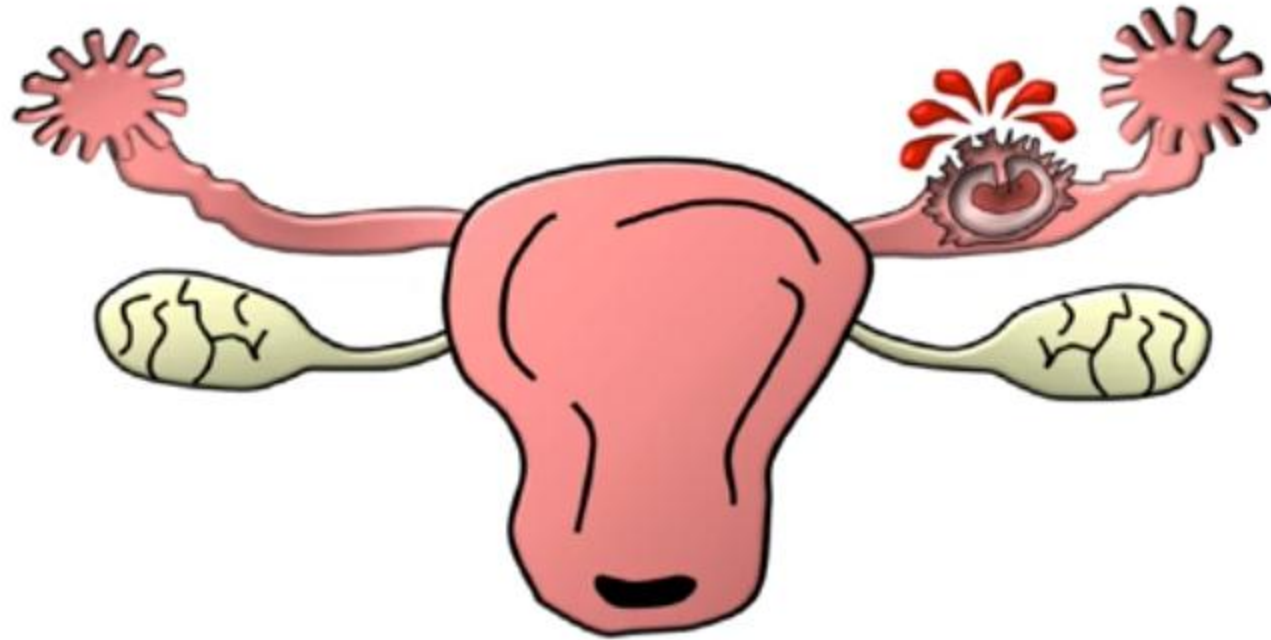
Fibroid Tumor

Ovarian Mass

Bicornuate Uterus



Ectopic Pregnancy









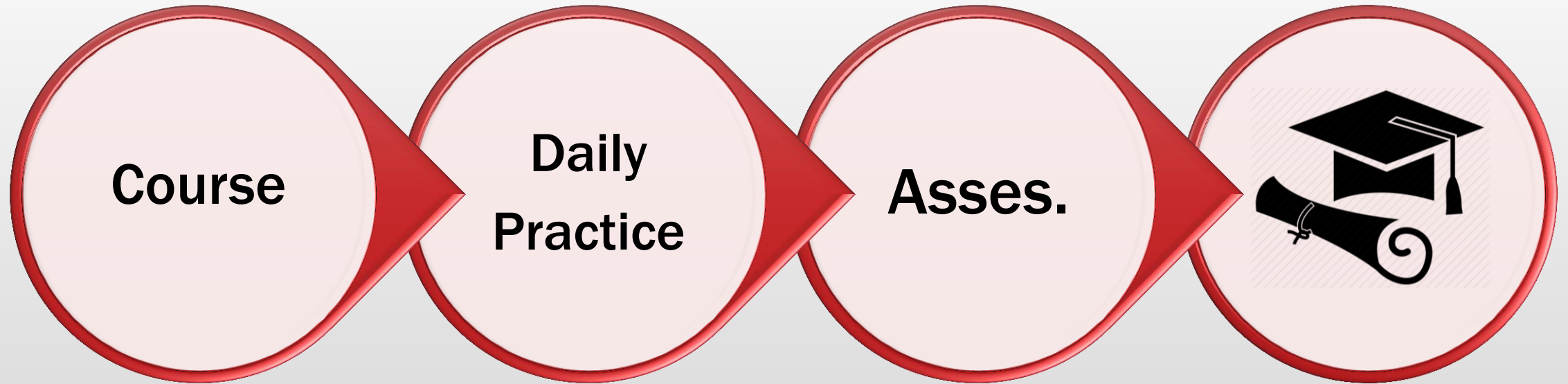


4

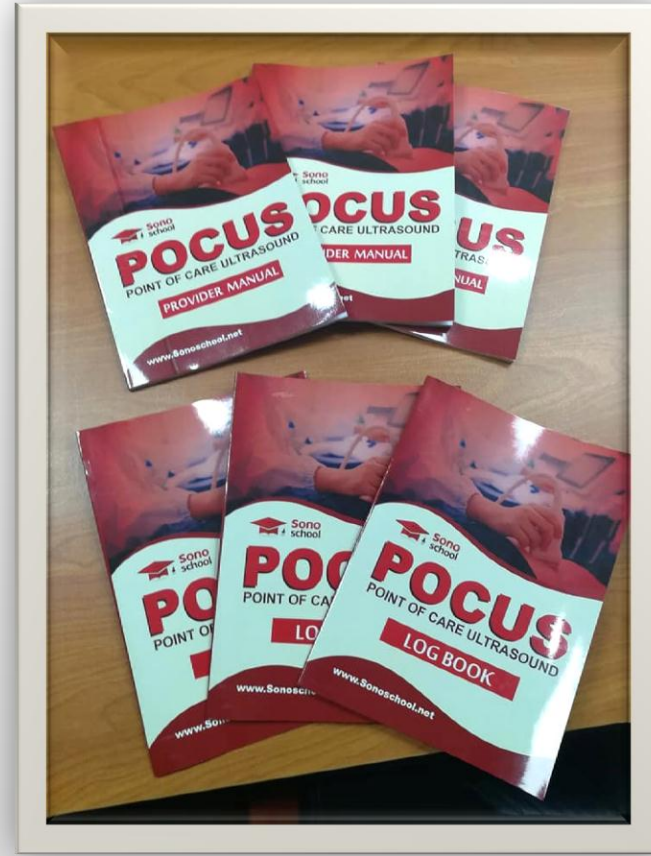




Why SonoSchool !



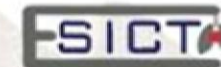
Course Manual & Log Book



Course Schedule

SCHEDULE					
DAY 1 24 March					
08:30 - 09:00	Introduction & Pretest				
09:00 - 09:30	Ultrasound Physics				
09:30 - 10:00	Ultrasound In Trauma Patient				
10:00 - 10:30	Coffee Break				
Hands On 10:30 - 11:30	A	B	C	D	E
	Dr. Erol	Dr. Hesham	Dr. Fabith	Dr. Wesam	Dr. Ahmed
11:30 - 12:10	Cardiac Axes				
12:10 - 01:00	Cardiac Ultrasound In Critically ill				
01:00 - 01:45	Praying & Lunch				
Hands On 01:45 - 02:45	E	A	B	C	D
	Dr. Erol	Dr. Hesham	Dr. Fabith	Dr. Wesam	Dr. Ahmed
02:45 - 03:20	Hepatobiliary Ultrasound				
03:20 - 03:40	Aorta - IVC Ultrasound				
03:40 - 04:00	Renal Ultrasound				
04:00 - 04:15	Coffee Break				
Hands On 04:15 - 05:00	D	E	A	B	C
	Dr. Erol	Dr. Hesham	Dr. Fabith	Dr. Wesam	Dr. Ahmed
DAY 2 25 March					
08:30 - 09:00	Lung Ultrasound				
09:00 - 10:00	Fluid Resuscitation With US				
10:00 - 10:30	Coffee Break				
Hands On 10:30 - 11:30	C	D	E	A	B
	Dr. Erol	Dr. Hesham	Dr. Fabith	Dr. Wesam	Dr. Ahmed
11:30 - 12:00	Vascular Access & DVT				
12:00 - 01:00	Regional Nerve Blocks with US				
01:00 - 01:45	Praying & Lunch				
Hands On 01:45 - 03:15	B	C	D	E	A
	Dr. Erol	Dr. Hesham	Dr. Fabith	Dr. Wesam	Dr. Ahmed
03:15 - 03:30	Optic Nerve, Airway US				
03:30 - 03:45	Appendicitis , Bowel Obstruction				
03:45 - 04:00	Ovarian Cyst , Testicular US				
04:00 - 04:15	Coffee Break				
Hands On 04:15 - 05:00	A	B	C	D	E
	Dr. Erol	Dr. Hesham	Dr. Fabith	Dr. Wesam	Dr. Ahmed
DAY 3 26 March					
08:30 - 09:00	Interactive Session				
09:00 - 09:30	Coffee Break				
Hands On 09:30 - 10:30	E	A	B	C	D
	Dr. Erol	Dr. Hesham	Dr. Fabith	Dr. Wesam	Dr. Ahmed
Clinical Assesment 10:30 - 11:30	D	E	A	B	C
	Dr. Erol	Dr. Hesham	Dr. Fabith	Dr. Wesam	Dr. Ahmed
11:30 - 12:00	Post Test				
12:00 - 12:30	Certificate Ceremony & Closure				

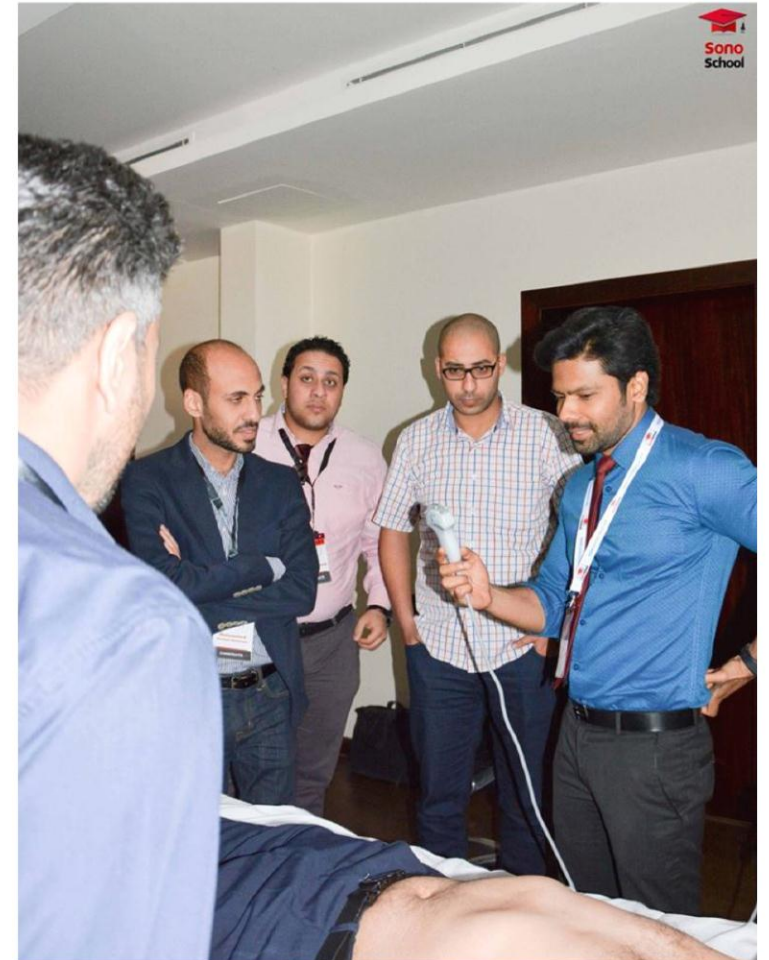
Accredited By



Theoretical Lectures



Hands on training





**Hands on training on human living,
Phantoms & Manikans with interactive cases
& scenarios**



SonoSchool

Simulation on phantoms



Practical Assessment



Checklist for Hands on Assessment Session

Candidate name:Group: ()

PHYSICS AND KNOBOLOGY:

- ☐ Can identify various probes used in USG and knows their use in clinical practice
- ☐ Knows various modes and pre-set used in routine bedside scans
- ☐ Knows the purpose of GAIN and DEPTH in acquiring optimal image
- ☐ Knows how to use calipers to measure image dimensions
- ☐ Knows how to save images and clips of any given patient and review them

Instructor Name: Signature:

LUNG:

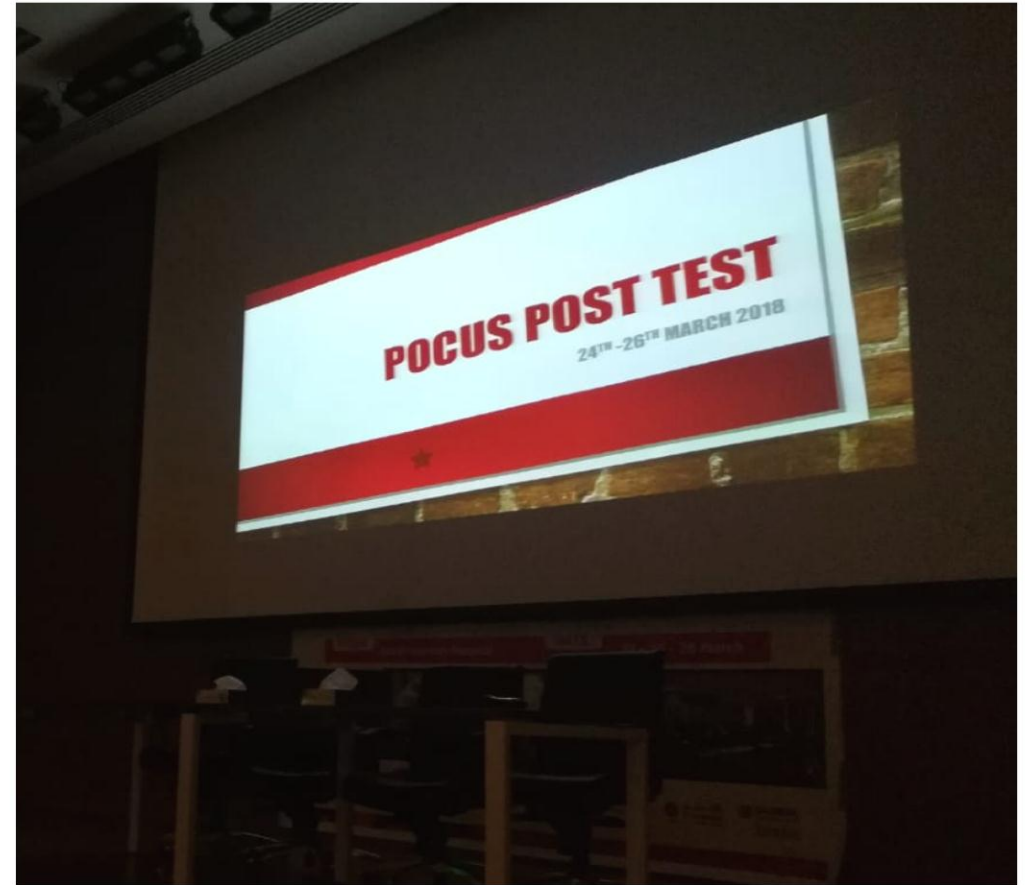
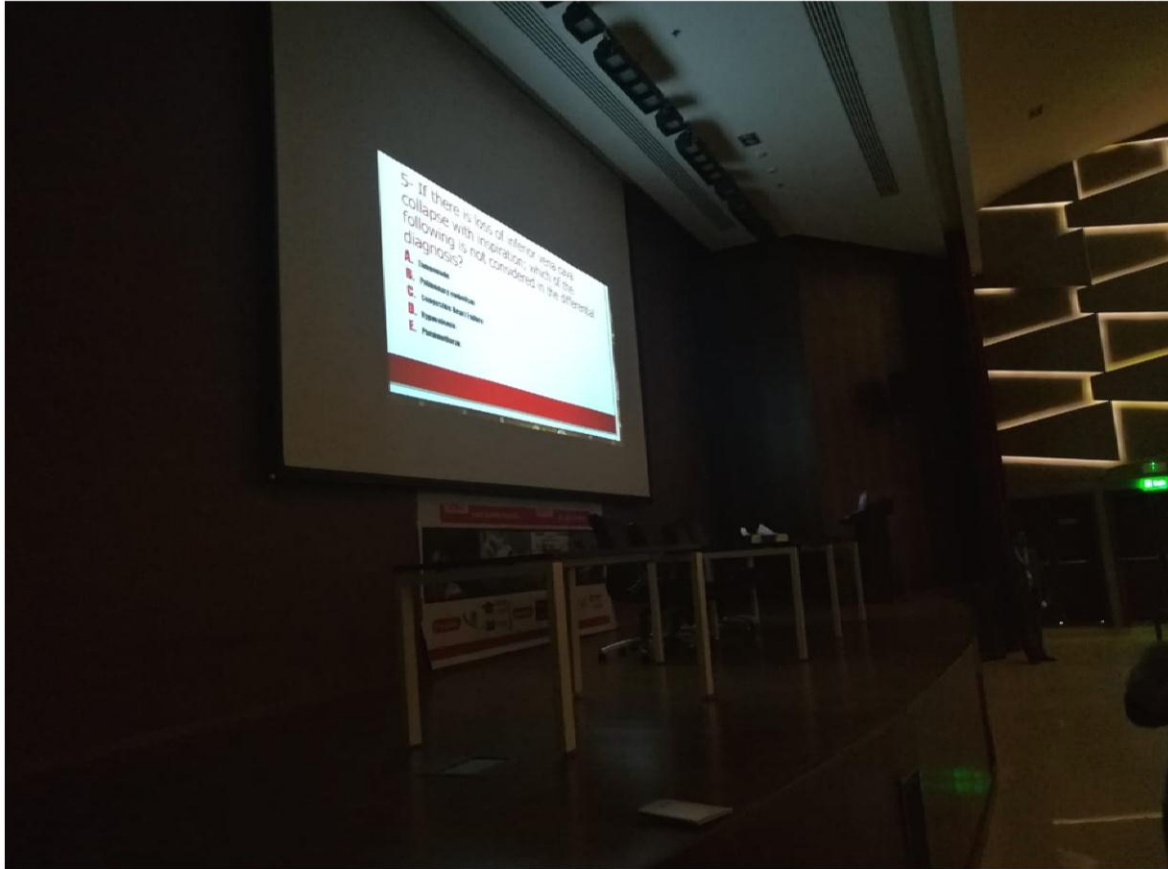
- ☐ Acquires image by correct machine and operator position, right pre-set and the right transducer
- ☐ Identifies lung sliding, A lines and M mode (demonstrates sea-shore sign)
- ☐ Identifies B lines (if present)
- ☐ Identifies diaphragm
- ☐ Identifies curtain sign and mirror artifact
- ☐ Identifies lung pulse

Instructor Name: Signature:

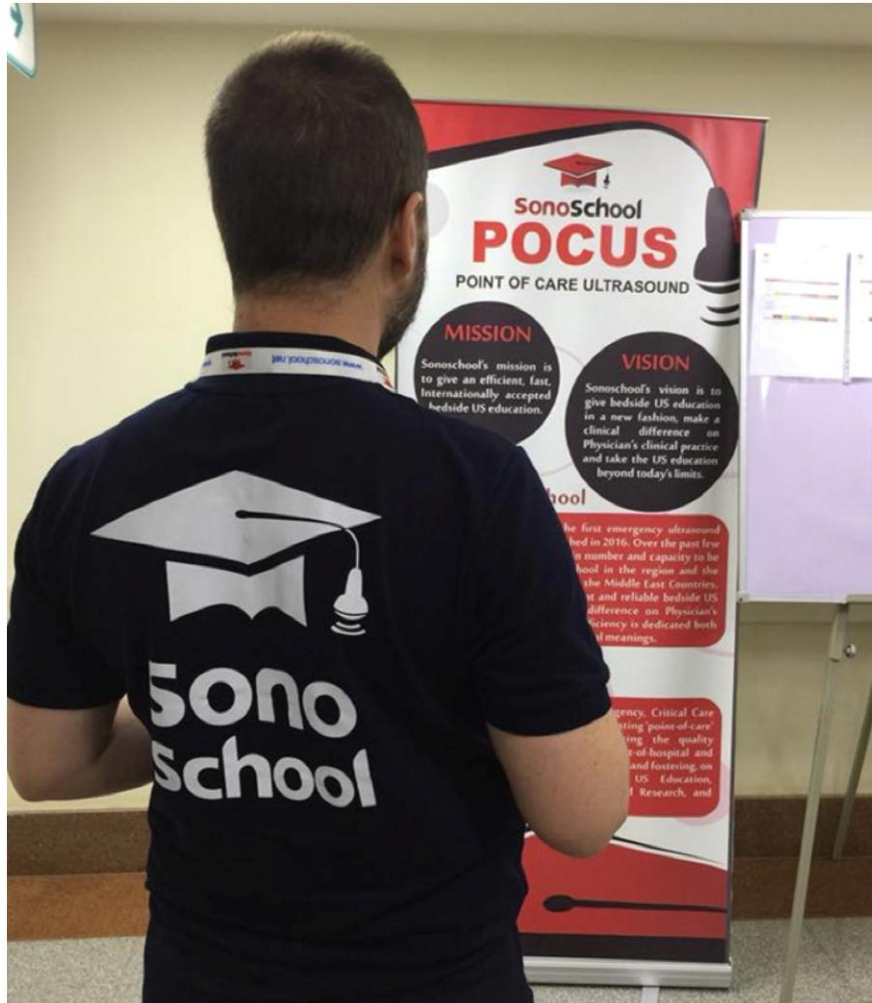
BASIC ECHO:

- ☐ Acquires image with the right probe/pre-set
- ☐ Acquires parasternal long axis, short axis, apical four chamber, subcostal
- ☐ Identifies anterior, septum, Inferior, Posterior wall in each view
- ☐ Identifies Mitral valve, Tricuspid valve, and Aortic valve
- ☐ Eyeballs of RA/RV sizes
- ☐ Eyeballs LV contractility and comments on whether LV fair/poor

Post Test : Cases



Instructor Potential



POCUS Instructor Potential Letter

Mohamed Abdelmenem has completed POCUS provider course on 24th–25th – 26th March 2018 at Saudi German Hospital under my direction and has Instructor potential.

Instructor Signature

26 March 2018

Date

Prof. Dr. Erol Ünlüer

Printed Name

Instructor Level:

☐

Instructor

☐

TC Faculty

☐

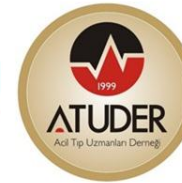
Regional Faculty

☒

Sonoschool President

Contact: sonoegypt.med@gmail.com

International POCUS Course Accredited by :



CERTIFICATE OF COMPLETION

This is to certify that

Dr. Sameh Mohamed Naser Dawoud

Successfully completed
Point Of Care Ultrasound course of Sonoschool
held in Saudi German Hospital , Egypt
On 24th-25th-26th March 2018

Prof. Başar CANDER
President of EPAT

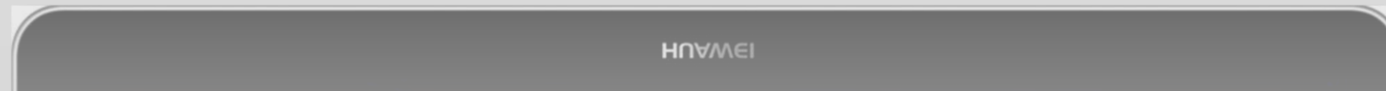
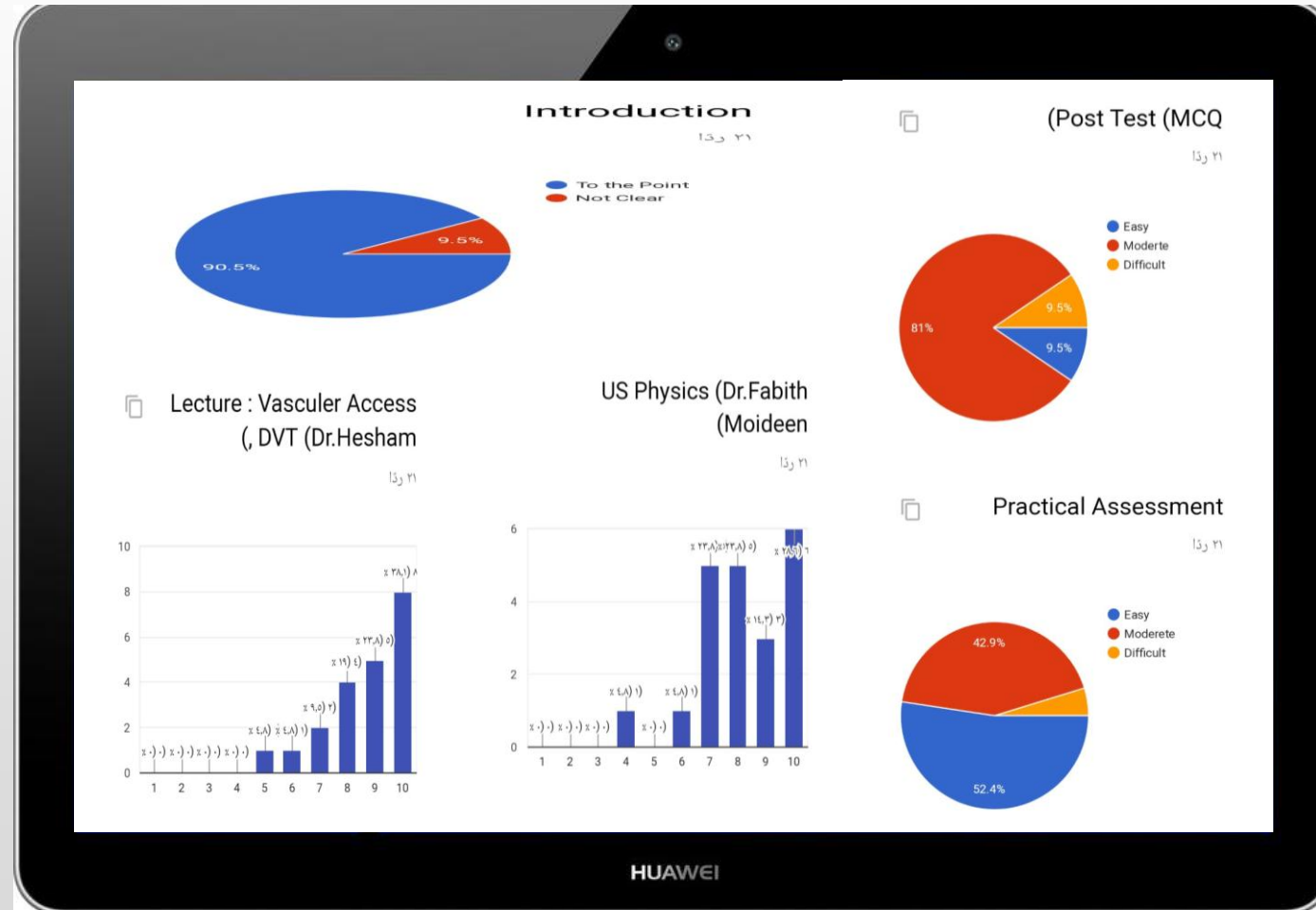
Prof. Hussein SABRI
President of EgSEM

Prof. Erden Erol ÜNLÜER
President of SonoSchool

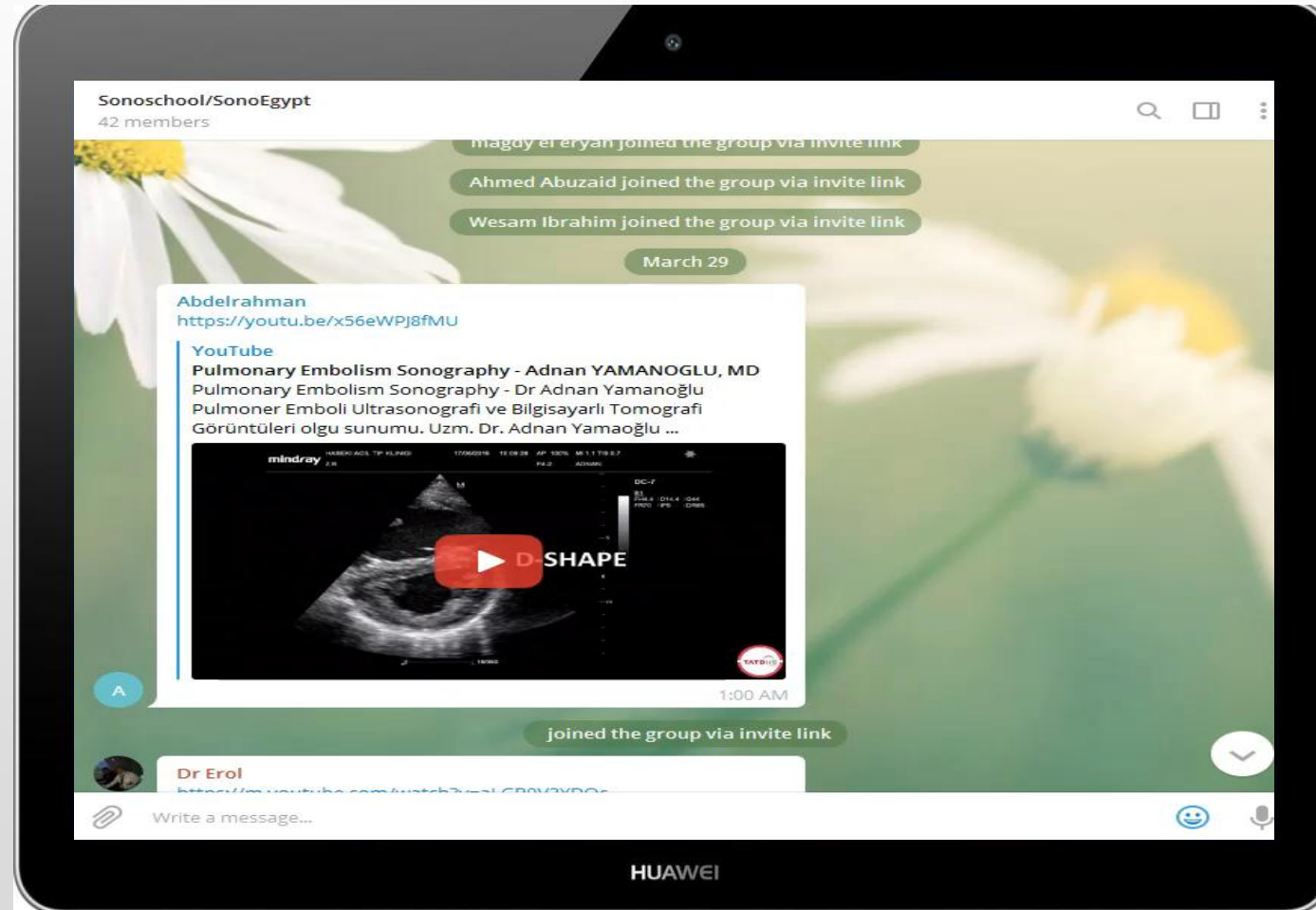
Prof. T.S. Srinath KUMAR
President - Society for
Emergency Medicine, India

Accredited with 14 hrs CME Points , MPDAC no. : 220318 in 23/2/2018

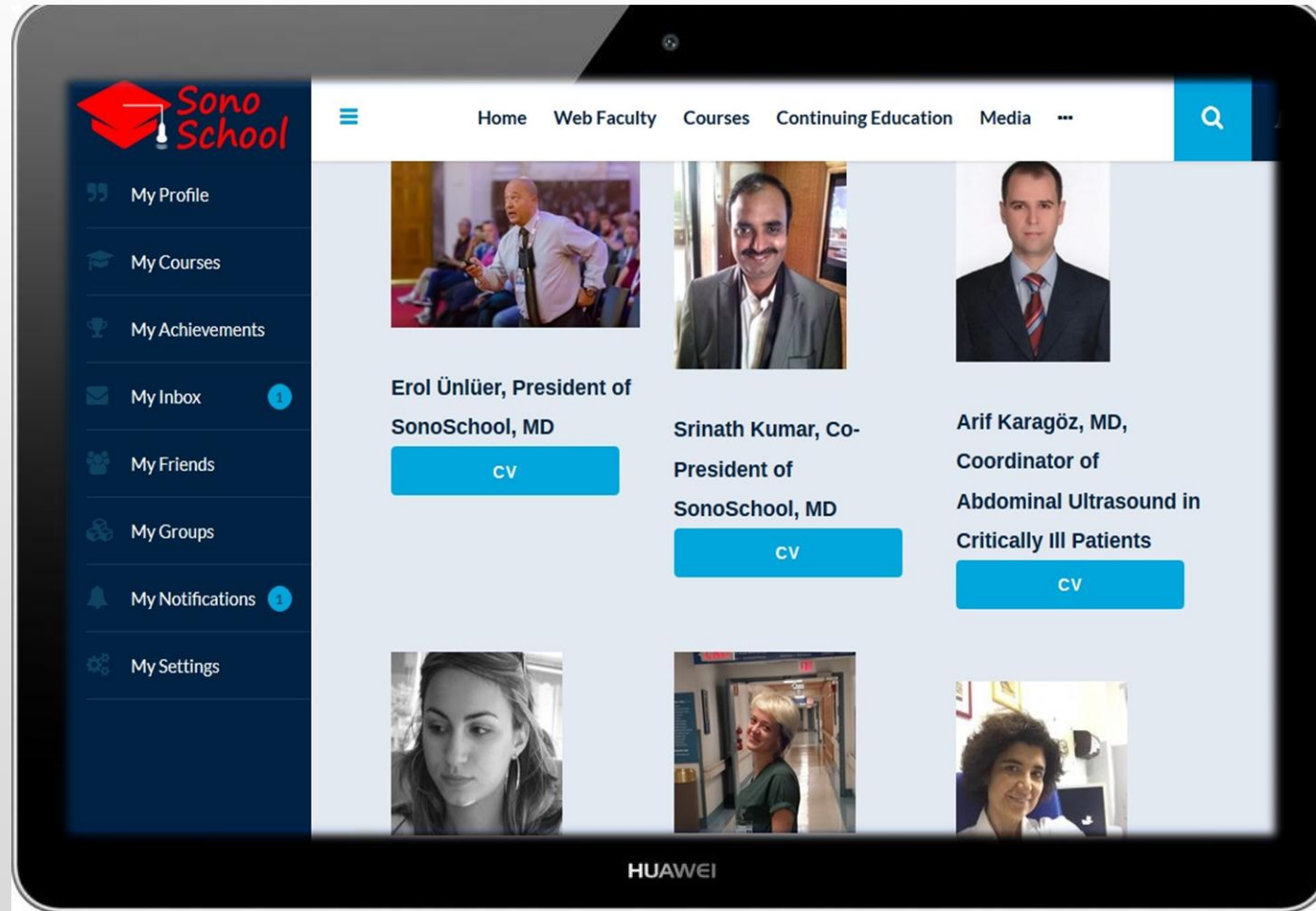
Feed Back from Candidates



Practice in Your Hospital



Practice in Your Hospital

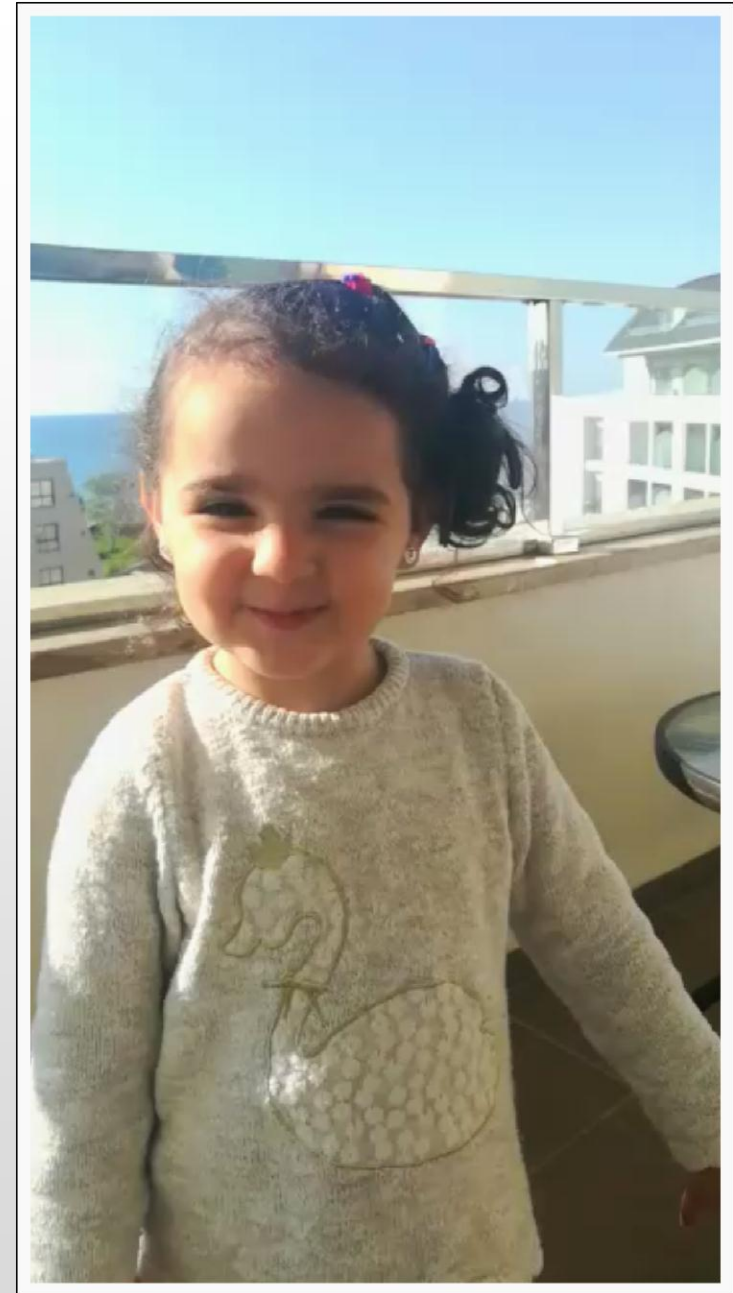








**I Love
Sonschool**





SonoSchool

SonoTURKEY

SonoINDIA

SonoEGYPT

Who Is Next ?



www.sonoschool.net

Who is Next ?



Any Question ??