



Pre hospital USG Course Schedule

Pre-hospital care ultrasound Empowering Rescue to resuscitation in austere environment

Background

Over the years use of ultrasound during disaster is limited to FAST and guided nerve block in field. This course mainly emphasize on use of point of care (POC) ultrasound for taking critical management decisions between the periods of rescue to resuscitation in austere environment and Enroute to the hospital. The workshop is offered to medical doctors, nurses and paramedics who are providing pre-hospital care.

This is a hands on course where candidates will be trained in recognizing basic ultrasound anatomy, understanding basic physics and practical use of the ultrasound machine (Knobology), conjuring the appropriate ultrasound images and findings to the correct decision and treatment protocols.

TIME	TOPICS
8.00 - 8.30am	Pre-test
8.30 - 9.00 am	Pre-hospital USG: Introduction, Opportunities and challenges
9.00 - 9.30 am	Knobology: Know your Machine
9.30 - 9.55 am	Airway : Airway injury, Neck Hematoma, ET-Tube confirmation, US-guided Needle Cricothyroidotomy
9.55 - 10.15 am	Breathing : Pneumothorax , Hemothorax
10.15 - 10.30 am	 COFFEE BREAK and Move to Skill station
10.30 - 11.30 am	Hands-on Training session: Knobology, Airway, Breathing
11.30 - 12.00	Circulation: E-FAST & IVC
12.00 - 1.00 pm	US Hands on: E-FAST & IVC
1.00 - 1.45 pm	 LUNCH BREAK
1.45 - 2.00 pm	Disability: Skull fracture, ONSD (Non-Invasive ICP monitoring)
2.00 - 2.25 pm	Extremity (Musculoskeletal USG): Long bone fracture detection, Nerve Blocks for field amputation
2.25 - 2.35 pm	 COFFEE BREAK and Move to Skill station
2.35 - 3.35 pm	Hands-on Training session: Fracture Detection, Nerve localization (Brachial Plexus, Femoral, Sciatic Nr) live models
3.35 - 4.15 pm	Triage&Sono triage – Discussion
4.15 - 5.15 pm	Mega code: Simulated scenario management with POC ultrasound. (Hands-on Training session)
5.15 - 5.45 pm	Post-test & Feedback
5.45 - 6.00 pm	Certification and Closure