UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Point of Care Ultrasound in Emergency Medicine and Emergency Surgery

2425-5-H4101D389

Aims

The course aims to provide theoretical and practical elements for the use of ultrasound in daily clinical practice, with particular attention to the context of emergency medicine and surgery.

Contents

- Principles of ultrasound technique
- Ultrasound in trauma
- Ultrasound in abdominal emergencies
- Vascular ultrasound
- Lung ultrasound
- Echocardiography

Detailed program

- Principles of ultrasound technique
  * Physics of ultrasound
  * Basic ultrasound technique
  * Types of probes
  * Ultrasound anatomy
- Ultrasound in trauma
  * Ultrasound according to the Extended-FAST protocol

- Ultrasound in abdominal emergencies
  * Ultrasound of the biliary tract and gallbladder (with main pathological findings)
  * Ultrasound of the urinary tract (with main pathological findings)
  * Ultrasound of the appendix (with main pathological findings)
- Vascular ultrasound
  * Ultrasound in DVT - CUS (with main pathological findings)
- Chest ultrasound
  * Lung ultrasound and main pathological findings
- Echocardiography
  * Emergency echocardiography and main pathological findings

Prerequisites

Knowledge of anatomy, physiology, general pathology, and systematic medical and surgical practice.

Teaching form

Interactive teaching with practical exercises using ultrasound machines on live models.

Textbook and teaching resource

Lectures' slides

Semester

II semester

Assessment method

Attendance to the Course

Office hours

By appointment by mail
marco.ceresoli@unimib.it

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION