



# Emergency Ultrasound MasterClass

This course is designed for clinicians that are using bedside ultrasound that now want to expand the ability in other areas, particularly critical care and echocardiography. Note: This course includes AI-generated translations in Spanish and Arabic. Accuracy is not guaranteed (read more in Terms & Conditions)

5.25  
CME credits

11  
Chapters

12  
Lectures

10  
Quizzes

## Chapter 1 | CME

### Free lectures

#### Lectures & Quizzes:

- Free lecture 1
- Free lecture 2

## Chapter 2 | 0.75 CME

### Doppler Physics

This lecture is an introduction to Doppler ultrasound physics as well as the four modalities used in diagnostic ultrasound: color Doppler, power Doppler, pulse save Doppler, and continuous wave Doppler.

#### Lectures & Quizzes:

- Doppler Physics
- Emergency Ultrasound MasterClass - Doppler Physics

## Chapter 3 | 0.5 CME

### Pulmonary Ultrasound

This lecture covers the principles of performing pulmonary ultrasound as well as how to identify pneumothorax, pleural

effusion, pulmonary edema, and pulmonary consolidation.

#### Lectures & Quizzes:

- Pulmonary Ultrasound
- Emergency Ultrasound MasterClass - Pulmonary Ultrasound

#### Chapter 4 | 0.5 CME

## Evaluation Left Ventricular Function

This is a basic lecture covering how to evaluate left ventricular function with ultrasound.

#### Lectures & Quizzes:

- Evaluation of Left Ventricular Function
- Emergency Ultrasound MasterClass - Evaluation Left Ventricular Function

#### Chapter 5 | 0.5 CME

## DVT Ultrasound

This lecture covers the ultrasonic evaluation of deep venous thrombus evaluation as well as clinical pathways for management.

#### Lectures & Quizzes:

- DVT Ultrasound
- Emergency Ultrasound MasterClass - DVT Ultrasound

#### Chapter 6 | 0.25 CME

## Evaluation of the Right Heart

This is a basic lecture covering the evaluation of right heart function with ultrasound.

#### Lectures & Quizzes:

- Evaluation of the Right Heart
- Emergency Ultrasound MasterClass - Evaluation of the Right Heart

#### Chapter 7 | 0.75 CME

# US-guided Procedures

This lecture covers the ultrasound-guided technique for thoracentesis, paracentesis, peri-tonsillar abscess drainage, lumbar puncture, pericardiocentesis, and placement of a transvenous pacer.

## Lectures & Quizzes:

- US-guided Procedures
- Emergency Ultrasound MasterClass - US-guided Procedures

Chapter 8 | 0.5 CME

# Soft Tissue & MSK

This lecture covers several soft tissue pathologies diagnosed by ultrasound as well as basic musculoskeletal ultrasound techniques for the evaluation of fractures and tendon injuries.

## Lectures & Quizzes:

- Soft Tissue & MSK
- Emergency Ultrasound MasterClass - Soft Tissue & MSK

Chapter 9 | 0.5 CME

# Resuscitation

This lecture covers the use of ultrasound in the diagnosis and management of undifferentiated shock.

## Lectures & Quizzes:

- Resuscitation
- Emergency Ultrasound MasterClass - Resuscitation

Chapter 10 | 0.5 CME

# Heart Valve Pathology

This lecture covers the basics of using ultrasound for evaluating heart valve pathology in addition to mitral valve regurgitation and stenosis.

## Lectures & Quizzes:

- Heart Valve Pathology
- Emergency Ultrasound MasterClass - Heart Valve Pathology

Chapter 11 | 0.5 CME

# Aortic Valve Pathology

This lecture covers aortic valve pathology in addition to thoracic aorta dissection.

## Lectures & Quizzes:

- Aortic Valve Disease
- Emergency Ultrasound MasterClass - Aortic Valve Pathology