



# 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.

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