



# Ultrasound Pass for Radiologists

This subscription, tailored for radiologists, provides comprehensive instruction on imaging techniques for abdominal ultrasound (liver, gallbladder, kidneys, urinary bladder, spleen, and pancreas), thyroid ultrasound (sonoanatomy, standard exam of the thyroid and the surroundings), and lung ultrasound (with a focus on pleural effusion detection and ruling out pneumothorax). It also covers the standard assessment of the carotid artery from its origin to the base of the skull (including B-mode imaging and colour Doppler and vertebral arteries assessment), the basics of echocardiography (including all standard views), as well as the standard emergency protocol to detect DVT with compression sonography. The main focus is on mastering the techniques to obtain high-quality standard ultrasound images, supported by extensive imaging demos for each area. Radiologists will benefit from increased confidence and practical imaging skills.

0  
CME credits

6  
Chapters

32  
Lectures

0  
Quizzes

## Chapter 1 | CME

### Abdominal Ultrasound

This chapter provides a comprehensive introduction to abdominal ultrasound, covering essential techniques and anatomy for various organs. You will meet the speakers of the Abdominal Ultrasound BachelorClass and explore clinical case reports showcasing the utility of abdominal ultrasound. The main part includes detailed lectures on scanning the liver, gallbladder, kidneys, bladder, spleen, and the pancreas, with practical tips for identifying pathologies and performing thorough exams. More pathology examples can be found in our Abdominal Ultrasound BachelorClass.

#### Lectures & Quizzes:

- What to find in the urinary bladder?
- Beyond the diaphragm and other case examples
- Liver: Anatomy and How to image
- Liver: How to image 1
- Liver: How to image 2
- Gallbladder: Anatomy and How to image
- Kidneys: How to image the right kidney
- Kidneys: How to image the left kidney
- Urinary bladder: Anatomy and how to image
- Spleen: Anatomy and how to image
- Pancreas: Anatomy and how to image

## Chapter 2 | CME

### Thyroid Ultrasound

This chapter introduces thyroid ultrasound, covering indications and basic imaging techniques. You will learn how to identify and describe benign thyroid cysts and perform a standard thyroid exam, including patient positioning, image orientation, and ultrasound anatomy. The lectures also cover contour, texture, shape, and size quantification of the thyroid, with many tips on how to image the vessels for additional information.

### Lectures & Quizzes:

- Indications for thyroid ultrasound
- Imaging of the thyroid - Basics
- Frequent findings - Cysts
- How to image part 1
- How to image part 2
- How to image part 3

## Chapter 3 | CME

# Lung Ultrasound

This chapter on lung ultrasound covers the basics, including pleural effusion, B-lines, pneumothorax, and consolidations. You'll learn to recognize diffuse parenchymal lung disease and use ultrasound for diagnosing COVID-19 viral pneumonia.

### Lectures & Quizzes:

- Basics of lung ultrasound - Pleural effusion, B-Lines and Pneumothorax
- Basics of lung ultrasound - Consolidation, DPLD and COVID-19
- Scanning for pleural effusion
- Pneumothorax
- Covid-19 - Special lecture

## Chapter 4 | CME

# Carotid Ultrasound

This chapter teaches the essential techniques and best practices of carotid ultrasound. You will learn how to obtain the basic imaging planes, with practical tips for challenging cases and ergonomic advice for positioning yourself and the patient. The lectures guide you through scanning the carotid arteries from the proximal section to the most distal parts at the base of the skull, using transverse and longitudinal planes, and include numerous examples in both B-Mode and color Doppler. Additionally, the chapter covers the effective use of color Doppler, addressing blood flow direction settings, optimal angulation, and proper color box settings.

### Lectures & Quizzes:

- Introduction to carotid ultrasound - Indications
- Imaging Overview
- Imaging the carotids - Proximal to middle section
- Imaging the carotids - Distal section and bifurcation
- Imaging the carotids - Color Doppler

## Chapter 5 | CME

# Compression Sonography of the Deep Veins (DVT)

This lecture was originally filmed for our Emergency and Critical Care Ultrasound Essentials - It shows how to quickly and effectively diagnose or rule out deep vein thrombosis of the lower limb! You can learn more about DVT and Pulmonary Embolism in the Emergency and Critical Care Ultrasound Essentials Course!

### Lectures & Quizzes:

- Emergency Protocol - Compression Sonography to look for DVT

## Chapter 6 | CME

# Basics of Cardiac Ultrasound

Imaging the heart presents unique challenges compared to other parts of the body. The lungs and ribs obstruct the view, and the heart itself is constantly in motion. In this chapter, we will explore the specialized instruments and techniques used to overcome these obstacles. You will learn about the various imaging modalities included in a routine cardiac exam and the specific imaging windows applied. We will also cover the standard views essential for a comprehensive assessment. Through detailed, step-by-step guidance, we will demonstrate the process of performing echocardiography, ensuring you gain a thorough understanding of this vital diagnostic tool.

### Lectures & Quizzes:

- Introduction to echocardiography
- Imaging the heart from the apical window
- Imaging from the parasternal window
- Imaging from the subcostal window