



Lung Ultrasound MasterClass

In the Lung Ultrasound MasterClass all topics which are important for daily clinical use of lung ultrasound will be covered and you will feel safe to even scan critically ill patients in an ICU.

6.5

CME credits

6

Chapters

23

Lectures

5

Quizzes

Chapter 1 | **CME**

Free lectures

Lectures & Quizzes:

- Free lecture 1
- Free lecture 2

Chapter 2 | **1.5 CME**

Imaging the Lung

In the first chapter of our lung ultrasound masterclass, we talk about imaging fundamentals and artifacts as well as physiology and anatomy. Since the disease will occupy us for some time, we also include a lot of COVID-19 related findings and cases.

Lectures & Quizzes:

- Introduction to Lung Ultrasound
- Lung Anatomy and Introduction to Imaging
- Basics and Artifacts of Lung Ultrasound
- Imaging Modalities in COVID-19
- Imaging a COVID-19 Patient
- CT-Findings & Lung Ultrasound in COVID-19
- LUMC - Imaging the Lung

Chapter 3 | **1 CME**

Pleural Effusion

This chapter is all about fluid around the lungs: imaging pleural effusions is easy, as you will see, and we can even use

ultrasound to distinguish between complicated and uncomplicated ones - without having to take a needle through the patient's skin.

Lectures & Quizzes:

- Scanning for Pleural Effusions
- Uncomplicated Pleural Effusions
- Complicated Pleural Effusions, Empyema & Rarities
- LUMC - Pleural Effusion

Chapter 4 | 1.5 CME

Pulmonary Pathology

In this chapter we have a close look at all the illnesses of the lung we can see with ultrasound: from pneumothorax to pulmonary fibrosis, from pulmonary embolism to pneumonia - there is so much to be seen!

Lectures & Quizzes:

- Pneumothorax
- Diffuse parenchymal Lung Diseases & Other Diseases of the Lung
- Consolidations Part 1
- Consolidations Part 2
- LUMC - Pulmonary Pathology

Chapter 5 | 1 CME

The Heart and the Lungs

Several findings in lung ultrasound actually come from problems of the heart, like heart failure or diastolic dysfunction. This chapter deals with echocardiography and how to correlate your findings there with the clinical picture and the sonography of the lung.

Lectures & Quizzes:

- COVID-19 and the Heart Part 1
- COVID-19 and the Heart Part 2
- Heart Failure
- LUMC - The Heart and the Lungs

Chapter 6 | 1.5 CME

Ultrasound-Guided Procedures

This chapter is all about needles and tubes: after learning how to diagnose pleural effusions and other diseases, you will now learn how to use ultrasound to identify the best spot for an intervention, and how ultrasound-guided procedures such as thoracentesis are done.

Lectures & Quizzes:

- Principles of Thoracic Procedures Part 1
- Principles of Thoracic Procedures Part 2
- Thoracentesis

- Tumor Staging
- Route to Biopsy
- LUMC - US-Guided procedures