



Echo Pass

Our Echo Pass includes 90 lectures from different echocardiography courses and is the perfect resource to enhancing your echocardiography skills. Start learning now! Note: This course includes AI-generated translations. Accuracy is not guaranteed (read more in Terms & Conditions)

0
CME credits

29
Chapters

90
Lectures

0
Quizzes

Chapter 1 | CME

Starter Kit - Left ventricular function

Your entry gate to the world of echocardiography. Assessment of cardiac function made easy.

Lectures & Quizzes:

- Starter Kit - Left ventricular function

Chapter 2 | CME

Starter kit – Aortic stenosis

Learn how to detect the most common form of valvular heart disease. Echo is easier than using the stethoscope.

Lectures & Quizzes:

- Starter Kit - Aortic stenosis

Chapter 3 | CME

Starter kit – Mitral regurgitation

Your first introduction to anatomy and function of the mitral valve. Learn how to use color Doppler to detect his important pathology.

Lectures & Quizzes:

- Starter Kit - Mitral regurgitation

Chapter 4 | CME

Introduction to imaging

Getting to the core of things: Instrumentation, components of an echo exam and much more...

Lectures & Quizzes:

- Introduction to imaging

Chapter 5 | CME

Imaging – parasternal views

The parasternal view – how can you find it and which views should you display.

Lectures & Quizzes:

- Imaging - parasternal views

Chapter 6 | CME

Imaging – apical views

The apical window- probably the most important view to the heart. A chapter full of tips and tricks.

Lectures & Quizzes:

- Imaging - apical views

Chapter 7 | CME

Imaging – subcostal views

Problems with positioning your patient? The subcostal view is a perfect alternative that allows you to also see additional structures of the heart.

Lectures & Quizzes:

- Imaging - subcostal views

Chapter 8 | CME

Echo in critical care conditions

This chapter will definitely change the way you manage critical care patients. Get into the driving seat of medical decision making.

Lectures & Quizzes:

- Echo in critical care conditions - part 1
- Echo in critical care conditions - part 2

Chapter 9 | CME

Left ventricular dysfunction

Here we dig deeper into the essentials of quantifying left ventricular function. A chapter full of practical examples.

Lectures & Quizzes:

- Left ventricular dysfunction - part 1
- Left ventricular dysfunction - part 2

Chapter 10 | CME

Acute myocardial infarction

The ECG is still first – but once you watch this chapter you will realize important echocardiography is in patients with chest pain.

Lectures & Quizzes:

- Acute myocardial infarction

Chapter 11 | CME

Complications of myocardial infarction

This chapter will help you save lives. You will need echo for Risk assessment and the diagnosis of myocardial rupture, ischemic VSD, right ventricular infarct and thrombi.

Lectures & Quizzes:

- Complications of myocardial infarction

Chapter 12 | CME

Hypertrophy and myocardial disease

Hypertrophy - A frequent finding. But how do you quantify it and what are the causes? We will provide a simple roadmap.

Lectures & Quizzes:

- Hypertrophy and myocardial disease

Chapter 13 | CME

Fluid management

Should I give fluids or not? Echocardiography will provide the answer.

Lectures & Quizzes:

- Fluid management - part 1
- Fluid management - part 2

Chapter 14 | CME

Right heart and pulmonary hypertension

Learn how to quantify pulmonary pressure. Right heart disease is more common than you think and echo will lead you the diagnosis. From pulmonary embolism and right heart failure to tricuspid regurgitation.

Lectures & Quizzes:

- Right heart and pulmonary embolism

Chapter 15 | CME

Aortic stenosis

The sequel to chapter 2, now you will also learn how to quantify aortic stenosis. We will show you how to use spectral Doppler here.

Lectures & Quizzes:

- Aortic stenosis

Mitral stenosis

A common disease in many parts of the world and one of the easiest diagnosis you can make. But only if you have an echo machine.

Lectures & Quizzes:

- Mitral stenosis

Mitral regurgitation

In chapter 3 we already dealt with mitral regurgitation. Here you will see many more examples and learn why patients develop mitral regurgitation in the first place.

Lectures & Quizzes:

- Mitral regurgitation part 1
- Mitral regurgitation part 2

Aortic regurgitation

One you know how to use color Doppler it is easy to detect aortic regurgitation. But there is more you should know about this entity if you want to manage your patients.

Lectures & Quizzes:

- Aortic regurgitation

Transesophageal echocardiography

Transesophageal- and transthoracic echo belong together. Learn when and how to use it. Your first step into an important modality that is not only used in cardiology.

Lectures & Quizzes:

- TEE - Introduction
- TEE - Cut planes part 1
- TEE - Cut planes part 2
- TEE - Normal and abnormal

Heart and infection

If you don't want to miss an endocarditis-, myocarditis or pericarditis then you will need to watch this chapter. Learn more about the incredible power of both transthoracic and transesophageal echo.

Lectures & Quizzes:

- Heart and infection

Pericardial effusion

Detection of a pericardial effusion is one of the easiest tasks in echocardiography. This chapter will show you how to make the diagnosis and which additional information it provides.

Lectures & Quizzes:

- Pericardial effusion

Aortic disease

Don't forget to image the aorta. This lecture will explain you how and why it can save lives.

Lectures & Quizzes:

- 22 - Aortic disease

Prosthetic valves

Over 250.000 prosthetic valves are implanted worldwide each year. So you will definitely see such patients. But how can you tell if prosthetic function is normal? We will show you in this chapter.

Lectures & Quizzes:

- Prosthetic valves part 1
- Prosthetic valves part 2

Echo and cardiovascular surgery

Do you know how to assess the risk for surgery with echo? Which factors influence the postoperative outcome and what to look for in patients who underwent cardiovascular surgery? These are some of the topics discussed in this chapter.

Lectures & Quizzes:

- Echo and cardiovascular surgery

Chapter 25 | CME

Premium - Methodology and Normal Findings

This chapter will provide you with in depth knowledge on what deformation is and which parameters can be measured. You will learn how Speckle Tracking works, which advantages it has to tissue Doppler and if values can be compared among different vendors. Finally, we will answer the question: Can we currently define normal values?

Lectures & Quizzes:

- Methodology and Normal Findings

Chapter 26 | CME

Premium - How to Image Patients with ACHD

Here we teach you how to use a systemic approach when you image your patients.

Lectures & Quizzes:

- Situs, position of the heart, morphology of atria and ventricles
- AV and VA connections, standard ACHD protocol

Chapter 27 | CME

Premium - Endocarditis

In this chapter, we cover a wide array of subjects through engaging lectures and real-world examples, including Introduction to Endocarditis, Native Valve Endocarditis, Complications of Endocarditis, Right Heart Endocarditis, Prosthetic Valve Endocarditis, Pacemaker and Central Line Endocarditis, Non-Bacterial Endocarditis, and Guiding Patient Management.

Lectures & Quizzes:

- Overview - Definition and Epidemiology
- Overview - Clinical Manifestations
- Overview - Pathophysiology
- Overview - Microbiology
- Prosthetic Valve Endocarditis - Facts
- Prosthetic Valve Endocarditis - Classification
- Prosthetic Valve Endocarditis - Diagnostic Challenges

- Overview - Manifestation
- Overview - Diagnosis - Role of Echocardiography
- Overview - Other Imaging Modalities
- Overview - Mortality and Risk
- Overview - Prevention
- Native Valve Endocarditis - Location / Classification
- Native Valve Endocarditis - Diagnostic Challenges / Scenarios
- Native Valve Endocarditis - Fungal Endocarditis
- Native Valve Endocarditis - Differential Diagnosis
- Native Valve Endocarditis - Your turn to diagnose endocarditis!
- Native Valve Endocarditis - Associated Findings
- Complications of Native Valve Endocarditis - Overview
- Complications of Native Valve Endocarditis - Septic Embolism
- Complications of Native Valve Endocarditis - Valvular Destruction
- Complications of Native Valve Endocarditis - Regurgitation
- Complications of Native Valve Endocarditis - Paravalvular Complications
- Right Heart Endocarditis - Basics
- Right Heart Endocarditis - Imaging
- Right Heart Endocarditis - Examples
- Right Heart Endocarditis - Management
- Prosthetic Valve Endocarditis - Differential Diagnosis
- Prosthetic Valve Endocarditis - Examples
- Prosthetic Valve Endocarditis - Complications - Part 1
- Prosthetic Valve Endocarditis - Complications - Part 2
- Prosthetic Valve Endocarditis - TAVI Endocarditis
- Pacemaker and Central Line Endocarditis - Basics
- Pacemaker and Central Line Endocarditis - Presentation + Risk factors
- Pacemaker and Central Line Endocarditis - Case Examples
- Pacemaker and Central Line Endocarditis - Management
- Pacemaker and Central Line Endocarditis - CVL Endocarditis - Basics
- Pacemaker and Central Line Endocarditis - CVL Endocarditis - Case Examples / Prevention
- Non-Infective Endocarditis - Overview
- Non-Infective Endocarditis - Case Examples
- Management of IE - Principles
- Management of IE - Indications for Surgery
- Management of IE - Antibiotics
- Management of IE - Guidelines
- Management of IE - Case Examples
- Summary - Putting it all together
- Summary - Reporting

Chapter 28 | CME

Premium - Aortic Disease

The aorta can also be visualized with echo! In this chapter we will show you how. Diseases such as aortic aneurysms, dissection, aortic syndromes, and congenital abnormalities of the aorta will be covered.

Lectures & Quizzes:

- Imaging
- Basics
- Dissection
- Findings
- Coarctation
- Summary

Chapter 29 | CME

Premium - Source of Embolism

Looking for a potential source of embolism is a frequent indication for a TEE.

Lectures & Quizzes:

- Source of Embolism / Thrombus Part 1

- Source of Embolism / Thrombus Part 2