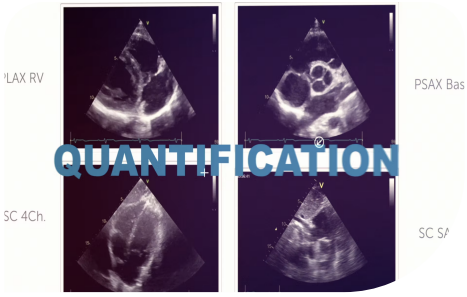

Heart Chamber Quantification MasterClass

This course is dedicated to one of the most important topics in echocardiography: Imaging and quantification of "heart chambers and walls". In 4.5 hours of high-quality video lectures, packed with demonstrations, hundreds of echo loops, case presentations, and illustrations we teach you how to get more out of your echo exam.

4.75	7	14	6
CME credits	Chapters	Lectures	Quizzes

Chapter 1 | CME

Free lectures

Lectures & Quizzes:

- Free lecture 1
- Free lecture 2

Chapter 2 | 0.75 CME

Left ventricular size and mechanics

Anatomic features of the LV How does the heart contract? How does the heart adapt? When does the LV dilate? Which measurements of size are available? How are the measurements performed? What are the normal values?

Lectures & Quizzes:

- Left ventricular size
- Left ventricular mechanics
- Heart Chamber Quantification MasterClass - Left ventricular size and mechanics

Chapter 3 | 1 CME

Quantification and problems of left ventricular function

Why is EF not always a good parameter? How do we assess LVF? Which parameters are available? How are the

measurements performed? Pitfalls in the assessment of LVF. How to „eyeball" LVF. Clinical consequences of LV failure.

Lectures & Quizzes:

- Quantification of left ventricular function (LVF)
- Problems LVF
- Heart Chamber Quantification MasterClass - Quantification and problems of left ventricular function

Chapter 4 | 0.5 CME

The right ventricle

Anatomic features of the right ventricle. How does the RV contract? How to measure and grade RV size. How are the measurements performed? Causes of RV dilatation and dysfunction. Clinical implications of right heart pathologies.

Lectures & Quizzes:

- The right ventricle
- Heart Chamber Quantification MasterClass - The right ventricle

Chapter 5 | 1 CME

Left ventricular hypertrophy

Why does LVH develop? What are the causes of LVH? The „Athletes Heart". Hypertensive heart disease. How do we quantify and grade LVH? How are the measurements performed? Differential diagnosis of LVH.

Lectures & Quizzes:

- LVH Basics
- LVH Quantification
- LVH Differential Diagnosis
- Heart Chamber Quantification MasterClass - Left ventricular hypertrophy

Chapter 6 | 1 CME

The atria and summary

Anatomic features of the atria. Function of the atria. How to measure and grade left atrial size. How are the measurements performed? What is the clinical implication of LA dilatation? Other pathologies of the atria and the IAS.

Lectures & Quizzes:

- Left atrium
- Right atrium
- Summary
- Heart Chamber Quantification MasterClass - The atria and summary

Chapter 7 | 0.5 CME

Speckle Tracking - Methodology and normal findings

What is Speckle Tracking Echocardiography? How does it relate to Tissue Doppler Imaging? How does STE help in the assessment of LV function? What are the normal values? Are the strain measurements reliable? How can it be used in clinical practice?

Lectures & Quizzes:

- STE Methodology
- Heart Chamber Quantification MasterClass - Speckle Tracking - Methodology and normal findings