



# Mitral Regurgitation FocusClass

The Mitral Regurgitation FocusClass offers a comprehensive and practical approach to mastering the evaluation and management of mitral regurgitation. Through 4 hours of engaging video content, you'll explore the pathomechanism and different grades of mitral regurgitation, their echocardiographic assessment, decision-making for valve surgery, and advanced imaging techniques. The course includes 6 chapters with patient demonstrations, real-life cases, and expert tips to ensure you gain actionable knowledge for clinical practice.

4

CME credits

7

Chapters

35

Lectures

6

Quizzes

## Chapter 1 | CME

### Free lectures

#### Lectures & Quizzes:

- Epidemiology and natural history
- Overview
- Structural MR - Segmental Anatomy

## Chapter 2 | 0.75 CME

### Principles of MR

This chapter gives an overview of the epidemiology of mitral valve pathologies and introduces the anatomy and hemodynamic functioning of the mitral valve. It also covers the practical aspect of how to image the MV and the subvalvular apparatus using apical, parasternal, and subcostal echocardiographic views.

#### Lectures & Quizzes:

- Epidemiology and natural history
- Hemodynamics
- Mitral Valve Anatomy
- Imaging the Mitral Valve - Apical Views
- Imaging the Mitral Valve - Parasternal Views
- Imaging the Mitral Valve - Subvalvular Apparatus
- Mitral Regurgitation - Principles Quiz

## Chapter 3 | 0.75 CME

# Causes of MR

This chapter discusses the causes of mitral regurgitation, including primary structural abnormalities (prolapse, flail leaflet, annular disjunction, rheumatic or infectious disease) and secondary causes (functional MR, new entity: atrial functional MR).

## Lectures & Quizzes:

- Overview
- Mitral Valve Prolapse
- Segmental Mitral Valve Prolapse
- Mitral Annular Disjunction
- Flail Leaflet
- Rheumatic Heart Disease and Endocarditis
- Rare Causes
- Secondary (Functional) MR
- Atrial Functional MR
- Mitral Regurgitation - Causes of MR Quiz

## Chapter 4 | 0.75 CME

# Quantification of MR

This chapter outlines the key methods for assessing mitral regurgitation severity, covering three main approaches: qualitative, semiquantitative methods, and quantitative methods (such as the PISA method).

## Lectures & Quizzes:

- Qualitative Assessment
- Semiquantitative Assessment
- Quantitative Assessment
- The PISA Method
- Mitral Regurgitation - Quantification Quiz

## Chapter 5 | 0.5 CME

# Mechanism of MR

This chapter explains how to identify the mechanisms of mitral regurgitation. Beginning with a solid understanding of segmental anatomy and the integration of color Doppler interpretation, you will learn how to recognize the underlying mechanisms. Special focus is placed on commissural prolapse and perforation. The distinction between structural and functional MR is clearly explained and illustrated. A complete patient examination provides hands-on tips for your clinical practice.

## Lectures & Quizzes:

- Structural MR - Segmental Anatomy
- Structural MR - Color Doppler
- Commissural Prolapse and Perforation
- Complete Assessment
- Mechanism Mitral - functional MR
- Mitral Regurgitation - Mechanism of MR Quiz

## Chapter 6 | 0.5 CME

# MR in Multivalvular HD

This chapter explores mitral regurgitation in the context of multivalvular heart disease, examining its interaction with mitral stenosis, aortic stenosis, aortic regurgitation, and tricuspid regurgitation, and discussing the resulting hemodynamic and functional consequences.

#### Lectures & Quizzes:

- MR and MS
- MR and AS
- MR and AR
- MR and TR
- Mitral Regurgitation - MR and Multivalvular Heart Disease Quiz

Chapter 7 | 0.75 CME

## Management and Future of MR

This chapter covers the differences in how to manage patients with mitral regurgitation depending on its causes, types, and severity. In addition, the role of symptoms, strain imaging, and stress echocardiography is discussed. Finally, the key parameters and recommended intervals for follow-up in these patients are reviewed.

#### Lectures & Quizzes:

- Structural MR
- Functional MR
- Specific Topics
- Follow Up
- Mitral Regurgitation - Management Quiz