



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Imaging Cardiaco: Focus Sulla Risonanza Magnetica Cardiaca

1819-5-H4101D279

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#### Aims

Introduction course to cardiac imaging. Identification of the possibilities, limits and contraindications of the various techniques employed; learn how to choose what technique to employ. Focus on clinical applications of cardiac magnetic resonance

#### Contents

Introduction to cardiac imaging, focus on cardiac magnetic resonance

#### Detailed program

(2 hours): Introduction to cardiac imaging and to cardiac imaging techniques

(2 hours): Cardiac Magnetic Resonance 1 (introduction to Cardiac MR, indications and contraindications, functional evaluation, tissue characterization, cardiac MR laboratory, post-processing)

(2 hours): Cardiac Magnetic Resonance 2 (Cardiac MR in cardiac diseases: cardiomyopathies, ischemic cardiomyopathy, myocarditis, congenital heart disease. Purposes of cardiac MR examination: beyond functional evaluation and tissue characterization, towards prognostic assessment)

(2 ore): practical stage at Niguarda Hospital cardiac MR laboratory

## **Prerequisites**

From fifth accademic year

## **Teaching form**

Small groups, practical activities

Course will be held at Azienda Ospedaliera Niguarda – Cardiologia IV – Risonanza cardiaca - Milan

## **Textbook and teaching resource**

Optional. Clinical cardiac MRI – J. Bogaert – S. Dymarkowski – AM Taylor - Springer

## **Semester**

## **Assessment method**

Frequency

## **Office hours**

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