UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Medical Surgery Sciences and Specialistic Divisions

2526-2-I0202D126

Aims

This course aims to provide the tools and the necessary knowledge for the students to perform a correct clinical diagnosis of the various cardiothoracic diseases of cardiac surgical interest, also identifying the proper surgical indication and surgical procedure.

Contents

Extracorporeal circulation, myocardial protection e circulatory arrest. Heart valve diseases. Thoracic aortic surgery. Coronary heart disease and mechanical complications of myocardial infarction. Congenital heart diseases. Heart failure and Heart transplantation.

Detailed program

1.Extracorporeal circulation, myocardial protection and circulatory arrest.
General principles and technical aspects regarding the above topics.

2.Heart valve disease
Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical options in relation to the aortic valve replacement, mitral valve replacement, and tricuspid valve surgery.

3.Thoracic aortic surgery.
Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of the main surgical interventions in relation to the main common thoracic aorta diseases.

4.Surgical treatment for ischemic heart failure.
Recognize the clinical pictures and complications, provide indications for surgical treatment and describe the general aspects of current options for coronary revascularization and mechanical complications of myocardial infarction.

5. Congenital heart disease.
   Recognize the clinical pictures, provide indications for surgical treatment and describe the general aspects of the different surgical procedures in relation to the main common congenital diseases.

6.Heart failure and Heart transplant
General principles of heart failure and mechanical circulatory support, including heart transplantation.

Prerequisites

Knowledge of the preparatory courses as indicated in the regulations of the degree course in Medicine and Surgery.

Teaching form

Lessons from the chair and internship will be provided in presence. Language of teaching: ITALIAN

Textbook and teaching resource

L. Chiariello Trattato di Chirurgia Cardiaca, SEU
F. Minni. Chirurgia Generale. Zanichelli
F. D'Amico. Manuale di Chirurgia Generale. Piccin

Semester

6th year, first semester

Assessment method

The final exam consist of two parts: written test consists of 20 multiple choice question (4 answers, only 1 correct) regarding course topics and topics included in the syllabus along with oral exam with questions on course topics and topics included in the syllabus.
Passing the written test is mandatory for moving to the oral exam.
The written test is considered passed if no less than 16 answers are correct.
Written and oral exams will take place in person. Any other changes will be properly communicated to the students by the competent educational facilities.

Office hours

Only by appointment by e-mail

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING