UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Cardiac Surgery

2324-4-H4102D027-H4102D094M

Aims

To provide the practical concepts necessary for understanding pathologies, indications and procedures of the cardiac surgery field.

Contents

The clerkship in Cardiac Surgery will cover the most important aspects related to surgical treatment of ischemic, valvular and congenital heart diseases. Students will acquire the basic knowledge required to recognize and observe the main cardiac pathologies suitable of surgery and the most important technical procedures.

Detailed program

1. Anatomical concepts related to ischemic, valvular and congenital heart diseases.
2. Basic concepts regarding treatment of coronary artery diseases.
3. Basic concepts regarding treatment of mitral, aortic and tricuspid diseases.
4. Basic concepts regarding treatment of congenital heart diseases.

Prerequisites

Basic knowledge of fundamentals of biology, genetics, morphology, histology, physiology of the cardiovascular system

Teaching form

The students will be involved in the practical activities of the Cardiac Surgery Unit of the Hospital Papa Giovanni XXIII: outpatients, ward, and operating room.
The activities will be mainly observational, but the student will be able to perform a clinical assessment of the patient under the tutor's supervision, recognising all signs and symptoms of the above-mentioned clinical problems.
The student will observe the patient in each phase of the hospital journey: from admission to diagnoses, surgical procedures, and discharge with a special focus on the clinical patient’s record, laboratory investigations, and discharge letter.
The student will be able to take part in the team meetings which are normally performed weekly and group rotations will be organised within the cardiovascular time sheet.
Sustainable development goals: The clerkship activities will be delivered under goal N.3: Good health and wellbeing.

Textbook and teaching resource

To be determined

Semester

Fourth year of study; first semester.

Assessment method

The student is expected to demonstrate knowledge of basic principles related to hygiene procedures, use of protective devices, record keeping, basic patient assessment and the principles of confidentiality and privacy in the handling of information. Eligibility will be awarded within the overall attendance provided for clerkship 6, and any problem reported to clerkship supervisor.

Office hours

On appointment by email.

Sustainable Development Goals

GENDER EQUALITY