



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Pathology

2425-4-H4102D029-H4102D109M

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#### Aims

The course will offer an overview of the cultural background and specific features required for a pathologist and for an anatomical pathology Technician. In particular skills of the training course are: specimens in the histological lab (management and preparation phase); histological diagnosis; the anatomy-pathological report: quality controls in the anatomical pathology laboratory; molecular biology and electron microscopy; pathological overview of organ diseases:

urinary system (glomerulonephritis, kidney and bladder cancers);

Endocrine system (thyroid and adrenal pathology)

#### Contents

The aim of the course is to provide students with the fundamentals of Pathological basis of organs and apparatus diseases, and provide the proper techniques for their study.

#### Detailed program

Professional duties of the pathologist and of the Technician. Type of samples processed in the Pathology Unit and diagnostic Pathology: Fixation, sampling. Histologic and cytological diagnosis: the pathologic report. Quality controls in Pathology. Diagnostic applications of fine needle aspiration cytology, immunohistochemistry, molecular biology and electronic microscopy. Systematic review of organ diseases: cardiovascular, respiratory, gastro enteric, urinary apparatus; endocrine, hemopoietic, nervous systems, skin and soft tissues (tumors).

## **Prerequisites**

## **Teaching form**

Oral formal lectures

## **Textbook and teaching resource**

The Teachers will provide educational materials

## **Semester**

Second semester

## **Assessment method**

NO partial exam.

Oral mandatory after quiz.

QUIZ:

Multiple choices (10 questions, 3 points each)

ORAL SESSION:

- open questions on subjects from lessons
- discussion of quiz results

## **Office hours**

Lunch break

## **Sustainable Development Goals**

GENDER EQUALITY

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