



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Pathology

2324-4-H4102D024-H4102D082M

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#### Aims

The course will offer an overview of the cultural background and specific features required for a pathologist . In particular skills of the training course are:

- specimens in the histological lab (management and preparation phase);
- histological and cytological diagnosis;
- the anatomy-pathological report: quality controls in the anatomical pathology laboratory;
- fine needle aspiration biopsy application,
- immunohistochemistry,
- molecular pathology
- electron microscopy;
- pathological overview of:
  - °lung carcinoma (diagnosis and predictive pathology);
  - °inflammatory vascular disorders (clinical-pathological correlations and clinical grand rounds)
  - °the biopsy of the heart

#### 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 . 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.

### **Prerequisites**

Knowledge of the contents of the propedeutic courses

### **Teaching form**

Oral lessons

### **Textbook and teaching resource**

The Teachers will provide educational materials

### **Semester**

### **Assessment method**

Quiz and Oral Test

### **Office hours**

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### **Sustainable Development Goals**

QUALITY EDUCATION

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