



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Pathology

2425-4-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**

Delivered with in-person oral lessons

### **Textbook and teaching resource**

Kumar V, Abbas A K, Aster J C; Robbins and Cotran Pathologic Basis of Disease Elsevier, 10th ed

### **Semester**

I semester, IV year

### **Assessment method**

Assessment of learning will be integrated into the vertical tract exam (multiple choice questionnaire on the topics discussed during the lessons).

### **Office hours**

By appointment (mail).

### **Sustainable Development Goals**

QUALITY EDUCATION

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