UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Pathology

2324-4-H4102D024-H4102D082M

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