



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Pathology B

2122-4-H4101D264-H4101D190M

Aims

The student should learn the pathologic basis of organ and system diseases, and he/she should be able to integrate macroscopic, histological, and cytological morphology with the clinical assay. Finally, he must know the role, the professional tasks, and the responsibility of the pathologist, thus prosecuting a useful relationship with medical and surgical specialists.

Contents

Macroscopic and microscopic morphological basis of diseases of the following: female genital tract (preinvasive and neoplastic lesions of the cervix, uterine body and ovarian tumours), bones, joint and soft tissue, endocrine system (endocrine dysfunctions and tumours of thyroid gland, tumours of parathyroid and adrenal glands), mammary gland (breast tumours). Relationship with laboratory and imaging diagnostic data. Prognostic and therapeutic outcomes of pathological diagnosis.

Detailed program

BONE AND SOFT TISSUE TUMORS- Classification and anatomopathological characteristics of bone tumors, particularly osteoma, osteochondroma, chondroma, osteosarcoma, chondrosarcoma, giant cell tumor and Ewing sarcoma - histogenesis, morphological criteria of benignity and malignancy, grading of sarcomas

BREAST PATHOLOGY - Epidemiology, pathogenesis, evolution, histological classification and pathological prognostic factors of breast cancer - Diagnostic role of fine-needle cytology, core biopsies and frozen sections

PATHOLOGY OF THE FEMALE GENITAL APPARATUS - - Role of HPV in the etiopathogenesis of cervical carcinoma and evolution of the concept of SIL (intraepithelial squamous lesion) - Epidemiological and pathological

features, histological classification, staging and natural history of carcinoma of the uterine cervix - Diagnostic role of the pap test and cervical biopsy in colposcopy - Definition of simple and atypical glandular hyperplasia of the endometrium - Epidemiological and pathological features, histological classification, staging and natural history of endometrial adenocarcinoma - Diagnostic role of endometrial aspiration biopsies and curettage - Pathological features of myometrial leiomyomas - Pathological bases and complications of adenomyosis and endometriosis - Epidemiological and pathological features, histological classification, staging and natural history of ovarian neoplasms - Definition of borderline tumors - Role of histological examination of the placenta in fetal and perinatal pathology - Anatomopathological features of trophoblastic tumors

Prerequisites

Knowledge of the contents of the propedeutic courses

Teaching form

Frontal lessons

Practice with microscope

Lessons will be provided in presence, subject to any ministerial changes following the COVID pandemic situation

Textbook and teaching resource

Kumar V, Abbas A K, Aster J C; Robbins and Cotran Pathologic Basis of Disease Elsevier, 9th ed

The Teacher will provide additional educational materials

Semester

Second Semester

Assessment method

Written test (22 multiple choice questions and 11 open questions with short answers; 1 point for each right answer, 0 point for each wrong or not done answer).

Office hours

By appointment, subject to agreement by phone or e-mail

