



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Pathology B

2223-4-H4101D264-H4101D190M

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#### 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), tumours of bones and soft tissue, and breast tumours. Relationship with laboratory and imaging diagnostic data. Prognostic and therapeutic outcomes of pathological diagnosis.

#### Detailed program

BONE AND SOFT TISSUE TUMOURS- 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 by traditional slides or by using digital slides.

## **Textbook and teaching resource**

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

The teacher will provide additional educational materials

## **Semester**

Second Semester

## **Assessment method**

Written test (20 multiple choice questions and 13 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

**Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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