

## COURSE SYLLABUS

### **Pathology**

**2425-3-H4102D018-H4102D053M**

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### **Aims**

To provide the pathologic basis of locomotor system diseases. The student should be able to integrate macroscopic, histological, and cytological morphology with the clinical assay. The student must know the role and the professional tasks of the pathologist in the management of bone and soft tissue samples.

### **Contents**

Morphology of non-neoplastic diseases of bone and joints; pathogenesis, classification and morphology of soft tissue and bone tumours.

### **Detailed program**

Non-neoplastic diseases of bone, with particular emphasis on the histopathological characteristics of fractures, osteomyelitis, bone necrosis and Paget disease. The WHO classification (Pathology and Genetics) of soft tissue and bone tumours. General concepts of epidemiology, age and site distribution, aetiology and clinical features, histopathological typing of soft tissue and bone tumours; histogenesis, morphological criteria of benignity and malignancy, grading and staging of sarcomas. Joints: synovial biopsy in degenerative joint disease and rheumatoid arthritis; tumours and tumor-like conditions.

### **Prerequisites**

Basic knowledge of histology and anatomy

## **Teaching form**

10 hours in delivery mode (two-hour frontal lessons)

## **Textbook and teaching resource**

Kumar V, Abbas A K, Aster J C; Robbins and Cotran Pathologic Basis of Disease; Elsevier  
WHO Classification of Tumours. 5th ed. Soft Tissue and Bone Tumours

## **Semester**

The first one

## **Assessment method**

See syllabus of the vertical tract "locomotor system diseases"

## **Office hours**

Appointment, by mail or phone

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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