



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Orthopaedics and Traumatology

2324-5-H4101D331

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#### Aims

Provide the student with direct experience of managing patients with Traumatology of the musculoskeletal system, bone and joint infections, bone and soft-tissue neoplasms, joint degenerative pathology, endocrine and metabolic disorders of the skeleton, congenital alterations and growth. Osteopathies and genotypic chondrodysplasias. Algodystrophy and osteonecrosis. Transportation and management of a traumatized subject.

#### Contents

The student will support the doctor-guardian during his working day in the ward and in the outpatient department and in the emergency room

#### Detailed program

The didactic objectives of the integrated course of the Orthopedic and Traumatological Clinic are: ° General principles of clinical diagnostics, instrumental and principles of therapy of traumatic injuries - Fractures and dislocations of the upper limb - Fractures and dislocations of the lower limb - Vertebral fractures and dislocations ° Neoplastic and paraneoplastic disorders: - Benign and malignant tumors of the bone - Benign tumors and malignant cartilage - Soft tissue tumors - Metastatic tumors ° Osteopathies and genotypic chondrodysplasias: imperfect osteogenesis ° Endocrine and metabolic disorders - Rickets - Paget's disease - Osteomalacia - Osteoporosis - Other ° Alterations of growth: - Scoliosis - Spondylolysis - Osteochondrosis - Dysmeter - Varism and valgus - flat and hollow pole and infantile neuro-muscular changes ° Degenerative and inflammatory joint disorders - Arthrosis and arthritis - Spondyloarthrosis and algia of discal origin ° Algodystrophies and osteonecrosis of vascular etiology ° Osteoarticular tuberculosis and osteomyelitis ° Congenital malformations: - Congenital malformations of the spine vertebral - mycogenic torticollis - congenital hip dysplasia - congenital twisting foot °

Knowledge of orthopedic bandages, surveillance of bandages, bandages, plaster casts, orthopedic braces °  
Transport and management of a traumatized person ° Shoulder dislocation ° Assist to the reduction and to the simple treatment (plaster) of fracture ° Articulation of the Hand Surgery: Carpal tunnel syndrome, Dupuytren's disease, Volkmann's syndrome, Complex regional pain syndrome, snap finger, De Quervain's disease. "

#### GENERAL Orthopaedic and trauma outpatient CLINIC ATTENDANCE

Participation in the educational/collegial meeting with the Orthopedics team that will take place at 7.30 in Marinoni classroom 8th floor set. B for the discussion of clinical cases

- 1 student :1 orthopaedic surgeon in the daily work, based on principles of scientific evidences and priorities
- ACTIVE PARTICIPATION IN ALL THE PHASES OF THE MEDICAL VISIT (medical history, objective examination)
- OBSERVING the ongoing relationship among the physician and the patient
- DEVELOPING,CONSIDERING the need / ability to inform and make the patient aware and part of the history of illness and treatment
- KNOWLEDGE OF INDICATIONS related to prevention, diagnosis, behavior advice, treatments.

### **Prerequisites**

Enrollment in the 5th year of course

### **Teaching form**

#### LECTURES

Frequency in Orthopedic and Traumatological Clinic ward, Outpatient clinic, emergency room.

Participation in the educational/collegial meeting with the Orthopedics team that will take place at 7.30 in Marinoni classroom 8th floor set. B for the discussion of clinical cases

### **Textbook and teaching resource**

MANUALE DI ORTOPEDIA E TRAUMATOLOGIA Grassi, Pazzaglia, Pilato, Zatti  
Casa Editrice ELSEVIER MASSON

### **Semester**

First semester

### **Assessment method**

Written exam: multiple choice quiz with 5 answers of which only one is correct.  
Oral exam.

## **Office hours**

by appointment

## **Sustainable Development Goals**

QUALITY EDUCATION

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