



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

General Pathology

2324-2-H4601D005-H4601D018M

Aims

Preparation of expert odontologists by the acquisition of knowledge in etiopathogenesis of pathological processes, in particular related to odontopathology.

Contents

Knowledge of causes and general mechanisms of pathological processes (etiopathogenesis). Appropriate technical/scientific terminology. Pathogenetic and physiopathologic knowledge to appropriately follow the successive clinical courses.

Detailed program

Etiology, pathogenesis. Acquired, congenital, inherited, acute and chronic degenerative diseases. Immunity, immune response, primary and secondary response. Vaccination. Immunopathology. Hypersensitivity. Ionizing radiation pathology. Burns. Acute and chronic inflammation. Fever, leukocytosis, acute phase proteins. Wound repair. Granulation and cicatricial tissue. Fibrosis. Amyloidosis. Cell death. Atherosclerosis. Hypertrophy. Hyperplasia. Hypotrophy. Organ failure. Compensation. Preneoplastic lesions. Benign and malignant tumors. Carcinogenesis (chemical, physical and biological). Oncogenes and tumor suppressors, genes for DNA repair. Hereditary tumors. Angiogenesis and metastasis. Hormone and tumor. Tumor metabolism. Neoplastic cachexia. Coagulation, hemophilia, thrombosis, embolism, infarct. Thalassemia.

Prerequisites

Knowledge concerning the previous preparatory courses.

Teaching form

Lectures "in attendance".

Textbook and teaching resource

-Pontieri, Russo, Frati - Patologia Generale - V ed. - Piccin

-Robbins e Cotran - Le basi patologiche delle malattie - IX ed. - Elsevier;

-Majno e Joris - Cellule, tessuti e malattia - I principi della Patologia Generale Casa Editrice Ambrosiana;

-Abbas A.B., Lichtman A.H. Fondamenti di Immunologia. Funzioni e alterazioni del sistema immunitario. Piccin.
Slides and pertinent bibliography.

Semester

Annual course, at the second year.

Assessment method

Oral examination.

Students are required to select and to present a topic chosen from the course content. Questions will follow about other course topics that require concise but comprehensive answers for the completion of the exam. The questions will assess the degree of understanding and comprehension of all fundamental aspects of the individual parts of the course content.

There will not be in itinere examinations.

Office hours

By appointment.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING
