

UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Patologia Generale

1819-2-H4601D005-H4601D018M

Aims

Preparation of expert odontologists by the acquisition of knowledge with the discipline of General Pathology: in etiopathogenesis of pathological processes, in particular related to odontopathology.

Contents

The course will provide with the discipline of General Pathology:

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

Detailed program

General Pathology: Etiology, pathogenesis, acquired, congenital,

inherited, acute and chronic degenerative diseases. Immunity, immune response,

primary and secondary response, vaccination, immunopathology, ipersensitivity 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 malign tumors. Carcinogenesis (chemical, physical and

biological). Oncogenes and oncosuppressors, genes for DNA repair. Hereditary

tumors. Angiogenesis and metastasis. Hormone and tumor. Tumor metabolism, Neoplastic

cachexia. Coagulation, hemophilia, thrombosis, embolism, infarct. Thalassemia.

Trisonomies. Diabetes. Ageing.

Prerequisites

The goals of the previous courses

Teaching form

Frontal lessons, exercitations,

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.

Semester

annual teaching at the second year of course

Assessment method

Oral examination.

The oral examination will be preceded by a written multiple-choice test, comprising 90 questions with only one correct answer (among 4), aimed at evaluating global comprehension of microbiology program. The text will be passed with 51 exact answers, the value of each exact answer is 0.35 point.

The oral examination consists in the discussion of the remaining part of the integrated course, aimed at verifying the student ability to make connections and provide details. The final score will be the weighted mean of the two tests

Office hours

by appointment

