UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Patologia Generale

2021-2-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), with specific examples on odontology. 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.

In the program will be expounded on specific examples related to the dental pathology.

Prerequisites

The goals of the previous courses

Teaching form

Frontal lessons, exercitations

In the period of Covid-19 emergency, lessons will be provided by mixed manner: partial presence and asynchronous/synchronous recorded lessons

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.

In the period of Covid-19 emergency the oral examination will be telematic, using the WebEx platform.

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