



GENERAL PATHOLOGY

Enrollment year	2020/2021
Academic year	2020/2021
Regulations	DM270
Academic discipline	MED/04 (GENERAL PATHOLOGY)
Department	DEPARTMENT OF MOLECULAR MEDICINE
Course	BIOMEDICAL LABORATORY TECHNIQUES
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	(01/03/2021 - 18/06/2021)
ECTS	2
Lesson hours	16 lesson hours
Language	Italian
Activity type	WRITTEN TEST
Teacher	CAZZALINI ORNELLA (titolare) - 2 ECTS
Prerequisites	Contents of the courses of cellular biology, biochemistry and anatomy.
Learning outcomes	The aim of the course is to introduce students to the etiological and pathological basis of diseases.
Course contents	<p>Definition of Pathology. Methods of study. Alterations as a result of the interaction between genetic and ecosystem.</p> <p>Etiology Pathogens: a) intrinsic body: genetic disorder with nods to the causes of birth defects; b) extrinsic to the (environmental pathology): 1) physical agents (radiation, high and low temperatures); 2) chemicals (mechanism of injury, routes of absorption and elimination, defense mechanisms, exogenous toxins, poisons endogenous);</p>

- 3) nutritional abnormalities
- 4) biological interactions.

Regressive processes (Cellular Pathology)

- hypoplasia, ipotrofia;
- cellular accumulation;
- pathological calcifications;
- pathological pigmentation;
- necrosis and apoptosis.

Reactive processes

The regeneration.

Inflammation: causes, moments, aspects, evolution; chronic inflammation.

Pathological growth

Hypertrophy and hyperplasia.

Tumor biology: definition, benign and malignant tumor, invasion, metastasis, cachexia, etiology, principles of classification, epidemiology, influence of diet.

Complex lesions

Thrombus

Atherosclerotic lesion

Teaching methods

Lectures

Recommended or required readings

Pontieri - Elementi di Patologia generale per corsi di laurea in professioni sanitarie - Piccin

Parola - Patologia generale - EdiSES

Stivala e Vannini - Guida allo studio della Patologia generale - Print Service

The slides of the lectures will be available in Kiro site.

Assessment methods

Written exam composed by open questions or multiple choice.

Further information

Written exam composed by open questions or multiple choice.

Sustainable development goals - Agenda 2030

[SbI legenda sviluppo sostenibile](#)