UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Histology 2

2223-1-H4101D002-H4101D010M

Aims

The objectives of the course are to provide expertise in human histology

Contents

The course includes the observation of human organ histological preparations using optical microscope.

Detailed program

HISTOLOGY:

- Introduction for correct use of the light microscope. Overview of the morphological characteristics of the different tissues that constitute the human body.

- Skin. Structure, organization and histology.

- Digestive system. Structure, organization and histology of lip, tongue, esophagus, stomach, small, large intestine, rectum.

- Digestive glands. Structure, organization and histology of liver, gallbladder, pancreas, salivary glands.

- Endocrine system. Structure, organization and histology of

hypophysis

, thyroid, parathyroid, adrenal glands.- Urinary system. Structure, organization and histology of kidney, minor and major calyx, renal pelvis, ureters, bladder, urethra.

- Respiratory system. Structure, organization and histology of nose, larynx, trachea, bronchial tree (primary, secondary and tertiary bronchi, bronchioles, terminal and respiratory bronchioles, alveolar ducts and alveolar epithelium), lung.

- Female reproductive system. Structure, organization and histology of ovary, fallopian tubes, uterus, mammary glands, placenta, umbilical cord.

- Male reproductive system. Structure, organization and histology of testis, tubuli recti, rete testis, ductuli efferentes, epididymis, duct system, seminal vesicles, bulbourethral glands, prostate.

- Lymphatic system. Structure, organization and histology of thymus, lymph node, spleen, tonsil, lymphatic vessels.

- Nervous system. Structure, organization and histology of the central, peripheral and autonomic nervous system.

Prerequisites

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Teaching form

Frontal lessons and practical sections using optical microscope. Lessons in attendance, subject to any ministerial changes
following the COVID pandemic situation”

Textbook and teaching resource

Ross et. al. Atlante di Istologia e Anatomia Microscopica. Casa Editrice Ambrosiana

Rezzani et al. Anatomia microscopica e diagnosi differenziale d'organo. Edises

Baldi. Anatomia microscopica del Netter. Cic Edizioni Internazionali

Young et al. Wheater Istologia e anatomia microscopica. Masson

Semester

Second semester

Assessment method

The knowledge of microscopic anatomy will be assessed by the identification of a histological slide.

Exams in attendance, subject to any ministerial changes following the COVID pandemic situation.

Office hours

By appointment

Sustainable Development Goals

QUALITY EDUCATION | GENDER EQUALITY | REDUCED INEQUALITIES