

COURSE SYLLABUS

Histology 2

2425-1-H4101D002-H4101D010M

Aims

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

Contents

In addition to teaching the typical microscopic morphological characteristics of each organ, the course also includes the development of the ability to observe, recognize and discuss histological preparations of human organs through the use of an 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.
- Integumentary system: Skin and mammary gland
- Digestive system. Structure, organization and histology of: 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.

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- Urinary system. Structure, organization and histology of: kidney, minor and major calyx, renal pelvis, ureters, bladder, urethra.
- Respiratory system. Structure, organization and microscopic anatomy of the olfactory mucosa, larynx, trachea, lungs.
- Female reproductive system. Structure, organization and histology of: ovary, fallopian tubes, uterus, placenta, umbilical cord.
- Male reproductive system. Structure, organization and histology of: testis, extratesticular ducts, 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.
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Prerequisites

College-level scientific knowledge

Teaching form

6 Frontal lessons (2 hours each) held in attendance.

8 Frontal practical sessions (2 hours each) in attendance

22 Practical sessions (2 hours each) carried out in attendance in interactive mode with the aid of the light microscope.

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

- Ovale e Nahirney. Anatomia microscopica del Netter. Cic Edizioni Internazionali.
- Young et al. Wheater Istologia e anatomia microscopica. Masson

For all books, refer to the latest edition

Semester

Second semester

Assessment method

Knowledge of microscopic anatomy will be assessed through an oral exam which will focus on the recognition of a histological specimen.

Office hours

From Monday to Friday by appointment (gabriella.nicolini@unimib.it; mariarosaria.miloso@unimib.it).

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY | REDUCED INEQUALITIES
