UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Istologia 2

1819-1-H4101D002-H4101D010M

Aims

The objectives of the course are to provide expertise in normal anatomy, cytology, histology, embryology. Teachnig will include reference to topographic, radiologic, and clinical anatomy.

Practical activities using models (also virtual 3D), light microscope observations and clinical case simulations will be used to reach the teaching objectives.

Contents

Il corso ha come principali finalità la conoscenza dello sviluppo embrionario, dell'organizzazione micro e macroscopica del corpo umano, delle modificazioni nel corso della vita necessarie per un corretto esame clinico del paziente e per la comprensione della patogenesi delle malattie.

Detailed program

- 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

See Anatomia Istologia Umana

Teaching form

See Anatomia Istologia Umana

Textbook and teaching resource

Atlante di Istologia e Anatomia Microscopica. Casa Editrice Ambrosiana

Semester

See Anatomia Istologia Umana

Assessment method

See Anatomia Istologia Umana

Office hours

See Anatomia Istologia Umana