

Basic Histology and Microanatomy

Lecture-Nr.: 53791

Type: practical course including seminar

Duration: 2 hours per week (winter and summer semester)

Method of Assessment: written examination

ECTS Credit Points: 2

Topics:

Basic histology and microanatomy of mammals. Common sectioning and staining techniques for light microscopy. Histology: connective and adipose tissue, muscle, cartilage and bone, nervous tissue, origins and classification of epithelia; Microanatomy of selected organs: blood vessels, heart, esophagus, stomach and intestine, liver, pancreas, respiratory system, blood, immune system (lymph nodes, thymus and spleen) thyroid and adrenal gland, kidney and urinary bladder, male and female reproductive system, skin.

Literature:

1. Ross; Pawlina: Histology: A text and atlas. Lippincott Williams and Wilkins, Baltimore.
2. Welsch: Lehrbuch Histologie. Urban & Fischer, München.
3. Kühnel: Taschenatlas der Zytologie, Histologie und mikroskopischen Anatomie für Studium und Praxis. Thieme, Stuttgart.
4. Mulisch; Welch; Romeis: Mikroskopische Technik. Spektrum Akademischer Verlag, Heidelberg.
5. Cook: Cellular Pathology: An Introduction to Techniques and Applications. Scion Publishing, Oxfordshire.

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