



SEMMELWEIS UNIVERSITY

Faculty of Dentistry

Department of Anatomy, Histology and Embryology

Lecturer of the Subject Assoc Prof. Gábor Gerber, DMD, PhD, Dean

ED I.

Microscopic Anatomy and Embryology I.

Announcements and subject matter of the semester

February 3. 2020

Acceptance of the semester

Active participation in histology laboratory sessions is obligatory. Students should attend at least 75% of the scheduled hours, including the obligatory midterm test*, to gain a signature proving the validity of the semester. Absences are therefore limited in 25%.

Histology

Microscopy of ground tissues (epithelia, glandular tissues, connective and supporting tissues, muscle tissues)

Histology of the corpuscular elements of blood, cells of the red bone marrow.

Microscopical structure of internal organs (cardiovascular, gastrointestinal, respiratory and urogenital systems)

Embryology

Basic principles of human development, introduction to the clinical embryology.

General embryology, including spermatogenesis, oogenesis, fertilization, cleavage, blastulation, formation of germinal layers, body axes, molecular basis of right-left asymmetry, Hox genes, formation of the placenta, fetal membranes.

Organ development including the early onset of fetal circulations and the development of the limbs, together with the trunk and the skull.

Factors inducing congenital malformations.

Development of the internal organs together with their malformations

Obligatory midterm test

Topics: General embryology, general histology

Date: Week 11, April 20

In case of absence* from the midterm students will have to present themselves at the retake midterm test (TBA).

Semifinal examination

The semifinal exam consists of a written test (Histology and Embryology questions)

Topics: Subject matter of the present semester

A. A. Inhuy Dr Andrea D Székely Associate Professor, Course Director

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