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SEMMELWEIS UNIVERSITY

Faculty of Medicine

Department of Anatomy, Histology and Embryology

Head of Department

Dr. Alán Alpár

Professor

February 11, 2021

ED I.

Microscopic Anatomy and Embryology I.

Announcements and subject matter of the semester

Acceptance of the semester

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

I. Microscopy of basic tissues

Simple/stratified epithelia, glandular tissues, connective and supporting tissues, muscle tissues and blood

II. Microscopical structure of internal organs

Cardiovascular, gastrointestinal, respiratory and urogenital systems

III. 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 cardiovascular, digestive, respiratory, urogenital systems together with their malformations

IV. Histology and embryology of maxillofacial structures

development of the face, derivatives of the pharyngeal arches/clefts/pouches, tooth development; histology of salivary glands and teeth

Obligatory midterm test

Topics: General embryology, general histology

Date: *Week 11, April 26*

In case of absence, or an unsuccessful midterm result, students will have to attend a retake exam(TBA).

The semester is only accepted if the midterm is successfully passed (with at least a mark 2).

Semifinal examination

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

Topics: Subject matter of the present semester

A. D. Székely

Dr. Andrea D. Székely

Associate Professor, Course Director