

OPO-GOP-T PHARMACEUTICAL PATHOLOGY

Course director:

DR. ZSOLT KOZMA, assistant professor
Department of Forensic Medicine

2 credit ▪ semester exam ▪ Med.-biol. theoretical module and practical skills subject ▪ autumn semester ▪ recommended semester: 7

Number of hours/semester: **28 lectures + 0 practices + 0 seminars = total of 28 hours**

Course headcount limitations (min.-max.): **1 – 100** Prerequisites: **OPO-A2S-T completed + OPO-EN2-T completed**

Topic

Our course is devoted to interpret the pathologic basis of diseases to pharmacist undergraduates. Our aim is the study of the structural, biochemical, and functional changes in cells, tissues and organs that underlie diseases. By the use of molecular, micro-and macromorphologic techniques, pathology attempts to provide diagnosis and a rational basis for clinical care and therapy, placing special emphasis on pharmacotherapeutic aspects.

Pathology serves as the bridge between the basic sciences and clinical studies and is the scientific foundation for entirety of the medicine.

Conditions for acceptance of the semester

Maximum of 25 % absence allowed

Mid-term exams

Test exam (60,1% is needed for grade 2).

Making up for missed classes

Regular attendance of classes/lectures (no absence is accepted)

There is no opportunity to make up missed classes.

Reading material

- *Obligatory literature*

no

- *Literature developed by the Department*

Lecture handouts are provided.

- *Notes*

no

- *Recommended literature*

Robbins Basic Pathology

Lectures

- 1 Introduction
Dr. Kozma Zsolt
- 2 Rules of Autopsy
Dr. Kozma Zsolt
- 3 Necrosis, types, examples. Apoptosis.
Dr. Vida Livia
- 4 Adaptations I. Degeneration, atrophy.
Dr. Vida Livia
- 5 Adaptations II. Hypertrophy, hyperplasia.
Dr. Vida Livia
- 6 Pigments. Calcification.
Dr. Vida Livia
- 7 Inflammation I. Acute inflammation.
Dr. Vida Livia
- 8 Inflammation II. Chronic inflammation.
Dr. Vida Livia
- 9 Circulation I. Thrombosis, embolisation, heart failure, shock.
Dr. Vida Livia
- 10 Circulation II. Hypertension. Atherosclerosis.
Dr. Vida Livia

- 11 Circulation III. Bleeding diatheses. Oedema, congestion.
Dr. Vida Livia
- 12 Immunology I. Immune deficiencies. Hypersensitive reactions.
Dr. Vida Livia
- 13 Immunology II. Autoimmunity. Transplantation immunity.
Dr. Vida Livia
- 14 Infectology.
Dr. Vida Livia
- 15 Oncology I. Nomenclature. Characteristics of neoplasms.
Dr. Vida Livia
- 16 Oncology II. Molecular basis of cancer.
Dr. Vida Livia
- 17 Criteries of Death
Dr. Simon Gábor
- 18 Post-mortem changes.
Dr. Simon Gábor
- 19 Injuries
Dr. Simon Gábor
- 20 Wound Healing
Dr. Simon Gábor
- 21 Drug overdose
Dr. Simon Gábor
- 22 Drug Overdose
Dr. Simon Gábor
- 23 Overdose of Medicines
Dr. Kuzma Mónika
- 24 Detection Methods
Dr. Kuzma Mónika
- 25 Pathology of Poisonings
Dr. Tóth Dénes
- 26 Forensic histopathology
Dr. Tóth Dénes
- 27 Sudden death
Dr. Tóth Dénes
- 28 Sudden Death
Dr. Tóth Dénes

Practices

Seminars

Exam topics/questions

No exam question list available

Information – The following skills of the Booklet for Clinical Skills shall be accomplished in the framework of the subject

Participants