

Syllabus of the Seminars - Pathology

Educational period: 23.9.2019 - 20.12.2019

Getting Credits: 17.12.2019

Examination period: 2.1.2020 - 14.2.2020

Seminars: Time: *Wednesday 2.50 - 4.35 p.m.*

Place: *Kalinčiakova 8, room, N° K 102.*

Teachers: PharmD. Foltánová T., PhD., PharmD. Kiliánová Z., PhD.,
PharmD. Kráľová E., PhD., PharmD. Jankyová, S., PhD.,
PharmD. Rajtík T., PhD., PharmD. Szobi A., PhD.

1st week: 25.9.2019 PharmD. Foltánová, PhD.

Disorders of the differentiation and morphogenesis. Endocrine control, genetic, nutritional, environmental factors.

2nd week: 2.10.2019 PharmD. Jankyová, PhD.

Mechanisms of adaptation, Hypertrophy, hyperplasia, hypoplasia metaplasia, dysplasia, neoplasia. **Progressive changes.** Reparation, regeneration.

3rd week: 9.10.2019 PharmD. Rajtík, PhD.

Causes and mechanisms of cellular Injury. Regressive changes. Atrophy dystrophy, necrosis, apoptosis, repair. Aging. Death – etiopathogenesis, manifestations.

4th week: 16.10.2019 PharmD. Kiliánová, PhD.

Disturbances in vascular circulation - trombosis, embolism, oedema, hypoxia, ischemia, infarction.

5th week: 23.10.2019 PharmD. Kráľová, PhD.

Hematologic disorders. Disorders of blood coagulation and haemostasis

- coagulopathies (hemophilia)
- anaemias (insufficiency of Fe, folic acid, vitamine B12)
- trombocythopathies
- leukemias (lymphoma, chronic lymphoid leukemia)
- vasculopathies

Test (topics 1.-4.)

6th week: 30.10.2019 PharmD. Jankyová, PhD.

Selected diseases of the endocrine system

- Diabetes Mellitus, type I and II.
- Cushing sy
- Disorders of the thyroid function. (hyperthyroidism, hypothyroidism)
- Alterations in immune function

7th week: 6.11.2019 *PharmD. Kráľová, PhD.*

Selected diseases of musculoskeletal system

- arthritis, arthrosis
- osteoporosis
- myasthenia gravis
- dystrophy, atrophy of muscles

8th week: 13.11.2019 *PharmD. Rajtík, PhD.*

Diseases of the skin.

- primary and secondary skin lesions
- acne
- warts, herpes
- decubitus ulcer,
- ulcer cruris,
- dermatitis (allergic skin responses)

9th week: 20.11.2019 *PharmD. Szobi A., PhD.*

Selected respiratory diseases

- runny nose (cold), flu, tonsillitis
- pertussis
- bronchitis, chronic obstructive disease
- respiratory distress sy (ARDS, IRDS)

Test (topics 5.-8.)

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10th week: 27.11.2019 *PharmD. Foltánová, PhD.*

Selected diseases of gastrointestinal tract

- dyspepsia
- celiac disease
- hernia, volvulus, polyps, diverticula
- Crohn disease, ulcerative colitis

11th week: 4.12.2019 *PharmD. Szobi A., PhD.*

Disorders of the sensory systems. Diseases of the Eyes, Ear.

- conjunctivitis
- glaucoma, cataract
- otitis
- vertigo, Meniere disease

12th week: 11.12.2019 *PharmD. Kiliánová, PhD.*

Diseases of the nervous system.

- encephalitis
- boreliosis
- epilepsy
- neurodegenerative disorders (Alzheimer disease, Parkinson disease)

Test (topics 9.-11.)

13th week: 18.12.2019

PharmD. Foltánová T., PhD., PharmD. Kiliánová Z., PhD., PharmD. Král'ová E., PhD.,
PharmD. Jankyová, S., PhD., PharmD. Rajtík T., PhD., PharmD. Szobi A., PhD.

Conclusions, remarks and additional tests

Holidays: 31.10.?, 1.11. – religious holy day

in Bratislava 6.9.2019

Prof. PharmD. J. Klimas, PhD., MPH
Head of the department

Assoc. Prof. MD. T. Stankovičová, PhD.
Guarantor

Literature:

Essentials of Pathophysiology, 3rd edition, by C.M. Porth. Ed. Lippincott and Wilkins: Philadelphia, 2011, ISBN 0781770874

General and Systemic Pathology, 4th edition, by J.C.E. Underwood. Ed. Churchill Livingstone: NY, 2000, ISBN 0443073341/9780443073342

Textbook of pathology, 6th edition, by H. Mohan: Jaypee Brothers Medical Publishers (P) Ltd, New Delhi, India, 2010, ISBN 978-81-8448-702-2

Human Anatomy, Physiology, and Pathophysiology. by Thewes G., Mutschler E., Vaupel P., Ed. Elsevier, Amsterdam, 1985. 812pp.

Mohan, Harsch: **Textbook of pathology.** Contr. Ivan Damjanov. 8th ed. New Delhi: Jaypee Brothers Medical Publ., 2019. 1010 s.

Mohan, Harsch: **Pathology: quick review.** (Based on Textbook of pathology. 8th ed.) 5 th ed. New Delhi: Jaypee Brothers Medical Publ., 2019. 598 s.

Ritter, James M. et al.: **Rang and Dale's Pharmacology e-book.** 9th . Elsevier 2020.

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