TOPICS

Contest for the position of Associate Professor pos. no. 15 indefinite period, within the Department of Morphological Disciplines

1. Introduction to the pathology

1. History of pathology
2. Methods of studying pathology
3. Classification of pathological processes

2. Circulatory disorders

1. Blood circulation disorders: arterial hyperemia, venous hyperemia, anemia and ischemia, thrombosis, embolism, infarction, hemorrhage.
2. Lymphatic circulation disorders: lymphatic stasis, lymphorrhagia, lymphatic thrombosis, lymphatic embolisms.
3. Interstitial circulation disorders: edema, dehydration.
4. Shock

3. Metabolic disorders

Protein dystrophies: simple (granular, vacuolar, hyaline, amyloid), complex protein (nucleoproteins, glycoproteins) pigmentation (bilirubin and its derivatives, porphyrins, melanin, lipofiscin, exogenous pigments).

1. Lipid dystrophies: simple lipids, complex lipids.
2. Carbohydrate dystrophies
3. Mineral dystrophies: calcareous dystrophies, calculi.
4. Cellular adaptive disorders

4.1. Cell death: necrosis, necrobiosis, autolysis
4.2. Atrophy
4.3. Hypertrophy
4.4. Hyperplasia
4.5. Metaplasia
4.6. Dysplasia

5. Inflammation

5.1. General characteristics of inflammation: inflammatory factors, elementary lesions of the inflammatory process, structural aspects of the immune reaction.
5.2. Acute inflammations: serous, fibrinous, purulent, gangrenous, hemorrhagic, catarrhal.
5.3.Chronic inflammations: general characteristics, specific inflammations (tuberculosis, tuberculosis-like granulomatosis, syphilis, mycotic granulomatosis, parasitic granulomatosis).

5.4.Immunity pathology: immunodeficiencies, diseases due to hypersensitivity reactions, autoimmune diseases.

5.5.Connective tissue diseases: acute rheumatism, chronic rheumatism, lupus erythematosus, polyarteritis nodosa, dermatomyositis, scleroderma, mixed connective tissue disease.

5.6.Transformation of the immune reaction into lymphoma.

5.7.Transplant pathology

5.8.Regeneration and repair processes.

6.Tumors

6.1.General characteristics

6.2.Principles of tumor classification: Anatomical and clinical classification, histogenetic classification. 6.3. Etiopathogenesis of malignant tumors: hypothesis of chronic irritation, embryonic inclusions,

metabolic, viral, immunogenetic. Cancer molecular disease.

6.4. Prevention, diagnosis and treatment.

Bibliografie

1.Robin Patologie Mecanismele bolilor umane;Ed Hipocrate 2023;ediria a opta;ISBN:978-606-951-788-8;

2.Cancerul Bronhopulmonar Recomandäri de Diagnostic si Tratament;Ed.Muntenia 2023-ISBN:978-973-692-482-8

3.Basic Pathology;Ovidiu Pop,Elena Rosca,Gabriela Mutiu,Narcis Vilceanu,Ed univ Oradea 2011-ISBN-978-606-10-0254-6

4.Elemente de diagnostic microscopic in leziunile morfopatologice generale;Elena Rosca, 0.Pop,D.M.Rosca,Ed univ Oradea 2010-ISBN-978-606-10-0148-4

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