



UNIVERSITATEA
DE MEDICINĂ ȘI FARMACIE
VICTOR BABEȘ | TIMIȘOARA

DEPARTAMENTUL III ȘTIINTE FUNCTIONALE

DISCIPLINA DE FIZIOPATOLOGIE

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TOPICS FOR THE ORAL PROBE – LECTURE

Discipline of Pathophysiology

Position 29, Professor univ.,

Fiziopatologie, Physiopathology, Functional explorations (optional) – Functional explorations (optional) – AMG-L, Notions of Physiopathology of stomatognathic system

1. PATHOPHYSIOLOGY OF THE PULMONARY SYSTEM I – Ventilatory dysfunctions. Bronchial asthma. Chronic obstructive pulmonary disease. Cystic fibrosis.
2. PATHOPHYSIOLOGY OF THE PULMONARY SYSTEM II – Interstitial lung diseases. Respiratory failure (hypoxemia, hypercapnia). Acute respiratory distress syndrome.
3. PATHOPHYSIOLOGY OF THE CARDIOVASCULAR SYSTEM I – ATS and coronary artery disease.
4. PATHOPHYSIOLOGY OF THE CARDIOVASCULAR SYSTEM II – Arterial hypertension.
5. PATHOPHYSIOLOGY OF THE CARDIOVASCULAR SYSTEM III – Rhythm and conduction disorders.
6. PATHOPHYSIOLOGY OF THE CARDIOVASCULAR SYSTEM IV – Cardiomyopathies and valvular diseases.
7. PATHOPHYSIOLOGY OF THE CARDIOVASCULAR SYSTEM V – Heart failure I.
8. PATHOPHYSIOLOGY OF THE CARDIOVASCULAR SYSTEM VI – Heart failure II.
9. PATHOPHYSIOLOGY OF CIRCULATORY SHOCK.
10. PATHOPHYSIOLOGY OF BLOOD I – Red blood cells disorders.
11. PATHOPHYSIOLOGY OF BLOOD II – White blood cells disorders.
12. PATHOPHYSIOLOGY OF BLOOD III – Hemostasis disorders.
13. PATHOPHYSIOLOGY OF THE GASTROINTESTINAL SYSTEM I – Disorders of the esophagus and stomach.
14. PATHOPHYSIOLOGY OF THE GASTROINTESTINAL SYSTEM II – Small and large intestine disorders.
15. PATHOPHYSIOLOGY OF THE GASTROINTESTINAL SYSTEM III – Liver, gall-bladder, and exocrine pancreas disorders.
16. PATHOPHYSIOLOGY OF THE RENAL SYSTEM I – Glomerular nephropathies.
17. PATHOPHYSIOLOGY OF THE RENAL SYSTEM II – Acute tubular injury. Tubulointerstitial and vascular disorders.
18. PATHOPHYSIOLOGY OF THE RENAL SYSTEM III – Chronic kidney disease.
19. PATHOPHYSIOLOGY OF THE ACIDE-BASE IMBALANCES.

20. PATHOPHYSIOLOGY OF THE FLUID AND ELECTROLYTES IMBALANCES.
21. PATHOPHYSIOLOGY OF THE CARBOHYDRATE METABOLISM – Diabetes mellitus. Hypoglycemias.
22. PATHOPHYSIOLOGY OF THE LIPOPROTEIN METABOLISM – Primary and secondary hyperlipoproteinemias. Metabolic syndrome.
23. PATHOPHYSIOLOGY OF THE PROTEIN METABOLISM – Hypo-, hyper-, and dysproteinemia. Metabolic and renal hyperuricemia. Gout.
24. PATHOPHYSIOLOGY OF CALCIUM AND PHOSPHATE IMBALANCES – Hypo-, hypercalcemia. Hypo-, hyperphosphatemia. Hypomagnesaemia.
25. PATHOPHYSIOLOGY OF THE INFLAMMATORY REACTION.
26. PATHOPHYSIOLOGY OF THE IMMUNE SYSTEM – Hypersensitivity reactions.
27. PATHOPHYSIOLOGY OF THERMOREGULATION – The febrile reaction, hyper- and hypothermia.
28. PATHOPHYSIOLOGY OF THE MAIN ENDOCRINE DISORDERS – Disorders of pituitary and thyroid glands, suprarenal dysfunctions.
29. PATHOPHYSIOLOGY OF THE ORAL DENTAL UNIT.
30. PATHOPHYSIOLOGY OF THE DENTAL MICROBIAL PLAQUE, TARTAR, DENTAL CARIES AND EROSIONS.
31. PATHOPHYSIOLOGY OF GINGIVITIS AND PERIODONTITIS. THE DENTAL EFFECTS OF FLUORIDE.

References:

1. Danina Muntean, Lavinia Noveanu, Oana Duicu, Adrian Sturza. **Fiziopatologia sistemelor respirator si cardiovascular – Curs pentru studenții Facultății de Medicină.** Editura "Victor Babeș" Timișoara, 2015
2. Ioana Mozos. **Pathophysiology. Lecture Notes for Dental Medicine.** Lambert Academic Publishing, Saarbrücken, 2015
3. Ioana Mozos. **Curs de fiziopatologie pentru medicina dentara.** Editura Mirton, Timisoara, 2015
4. Hammer GD, McPhee SJ. **Pathophysiology of Disease. An Introduction to Clinical Medicine.** 8th Ed. McGraw Hill Medical, 2019
5. Silbernagl S, Lang F. **Color Atlas of Pathophysiology**, 3rd Ed., Thieme 2016
6. Kumar and Clark Clinical Medicine 10th Ed.

Chief of the Physiopathology Discipline
Prof. dr. Claudia Borza