



MEDICAL UNIVERSITY

“PROF. DR. PARASHKEV STOYANOV” VARNA FACULTY OF DENTAL MEDICINE

Approved with a Protocol of № 02/27.05.26

Approved by:

DEAN

/Assoc. Prof. Georgi Papanchev, DMSc, PhD/



EDUCATIONAL PROGRAMME

OF

“INTERNAL DISEASES (GENERAL MEDICINE) AND IMMUNOLOGY”

Specialty: “DENTAL MEDICINE”

Educational and qualification degree “MASTER”

Professional qualification – D.M.D.

	<i>Semester</i>	<i>Horarium – hours per week</i>	<i>Horarium – hours in total</i>
<i>Lectures</i>	<i>VII-VII</i>	<i>2/1</i>	<i>45</i>
<i>Seminars</i>	<i>VII-VIII</i>	<i>1/2</i>	<i>45</i>
<i>Total hours</i>	<i>VII-VIII</i>		<i>90</i>
<i>Extracurricular employment</i>			
<i>Forms of Evaluation</i>	<i>Currant control</i>		<i>Examination VIII semester</i>
<i>Credits (ECTS)</i>			<i>6 (4+2)</i>

Annotation

Internal diseases are a fundamental discipline in the general medical education of dental medicine students. The aim of the training in internal diseases, comprising 90 academic hours (45 lectures and 45 practical exercises), is for dental medicine students to acquire knowledge regarding the diagnosis, conservative treatment, prevention, and rehabilitation of diseases of the internal organs. During the course, students acquire the necessary theoretical knowledge and practical skills enabling the doctor of dental medicine to assess the risks, indications, and contraindications for performing dental treatment in the presence of underlying pathology of the internal organs.

WINTER SEMESTER — VII

TOPIC	
TOPIC I – GENERAL PART	
1. Introduction. Medical history, Somatic status. Methods of examination.	2
2. Examination of the head and neck	2
TOPIC II – RESPIRATORY SYSTEM	
3. Methods for examination of the respiratory system. Acute and chronic respiratory failure. Pulmonary embolism and infarction.	2
4. Bronchitis – acute and chronic. COPD. Bronchial asthma	2
5. Pneumonia. Lung cancer	2
6. Pulmonary tuberculosis. Pleuritis. Pleural effusions.	2
TOPIC III – CARDIOVASCULAR SYSTEM	

Academic hours

TOPIC	
7. Cardiovascular system. Methods of examination. Rheumatism. Rheumatic carditis. Endo	carditis2
8. Acute and chronic heart failure. Cor pulmonale	2
9. Heart defects – congenital and acquired	2
10. Hypertensive disease. Atherosclerosis	2
11. Ischemic heart disease. Clinical forms. Angina pectoris	2
12. Myocardial infarction	2
13. Shock conditions – hypovolemic, cardiogenic, septic, and anaphylactic shock	2
TOPIC IV – IMMUNOLOGY	
14. Immune system – basics of the immune response. Innate and acquired immunity	2
15. Clinical immunology. Autoimmune reactions and diseases. Immunomodulation	2

Academic hours

Lectures during the VII semester are held every week for 2 hours and total 30 hours for the semester.

SUMMER SEMESTER — VIII

TOPIC	
TOPIC V – DIGESTIVE SYSTEM	
16. Methods for examination of the organs of the digestive system. Acute and chronic gastritis, gastroduodenitis	1
17. Peptic ulcer disease of the stomach and duodenum. Colitis and enterocolitis	1
18. Gastric cancer. Intestinal cancer (colon and rectal cancer)	1
19. Methods for examination of the liver and bile ducts. Jaundice. Acute and chronic hepatitis	1
20. Liver cirrhosis. Liver cancer	1
21. Diseases of the gallbladder and bile ducts – cholelithiasis, dyskinesias, and cholecystitis	1
22. Methods for examination of the pancreas. Pancreatitis. Pancreatic cancer	1
TOPIC VI – BLOOD AND HEMATOPOIETIC SYSTEM	
23. Methods for examination of the hematopoietic system. Anemias. Hemorrhagic diatheses	1
24. Acute and chronic leukemias. Agranulocytosis	1
TOPIC VII – EXCRETORY SYSTEM	
25. Methods for examination of the excretory system. Acute and chronic renal failure. Acute nephritis	1
26. Nephrolithiasis. Acute and chronic pyelonephritis	1
TOPIC VIII – ENDOCRINE SYSTEM	
27. Diseases of the endocrine glands. Thyrotoxicosis. Myxedema	1
28. Diabetes mellitus	1
TOPIC IX – COLLAGENOSSES AND MUSCULOSKELETAL SYSTEM	
29. Joint diseases – arthritis and arthrosis. Collagenoses	1
30. Osteoporosis – classification, risk factors, clinical manifestations, diagnosis, differential diagnosis. Corticosteroid	1

Academic hours

The lecture topics are 1 hour each – 15 hours for the summer semester, with lectures covering two topics per week.

PROGRAM FOR PRACTICAL EXERCISES IN INTERNAL DISEASES FOR STUDENTS MAJORING IN DENTAL MEDICINE, 4TH YEAR

WINTER SEMESTER — VII

TOPIC	
1. Medical history	1
2. Somatic status. Examination of the head and neck	2
3. Physical methods for examination of the respiratory system	1
4. Bronchitis – acute and chronic. Bronchial asthma	1
5. Pneumonia. Lung cancer	2
6. Pulmonary tuberculosis. Pleuritis	1
7. Medical history and physical methods for examination of the cardiovascular system. Puls pressure	1
8. ECG and other instrumental methods for examination of the cardiovascular system. Rhythm disorders	1
9. Acute and chronic heart failure. Collapse. Shock. Allergic shock	1
10. Rheumatism. Valvular heart defects	1
11. Hypertensive disease. Atherosclerosis	1
12. Ischemic heart disease. Clinical forms. Angina pectoris	1
13. Myocardial infarction	1

Academic hours

Protocol from:	
Department Council No.	18/18.5...2026

The practical exercises are held every other week and total 15 hours for the semester.

SUMMER SEMESTER — VIII

TOPIC	
14. Methods for examination of the digestive system. Functional, instrumental, and endosc	topic methods2
15. Chronic gastritis and gastroduodenitis. Peptic ulcer disease of the stomach	2
16. Peptic ulcer disease of the duodenum. Gastric cancer	2
17. Methods for examination of the liver and bile ducts	2
18. Hepatitis – acute and chronic	2
19. Cholelithiasis. Cholecystitis. Jaundice	2
20. Anemias – iron deficiency and posthemorrhagic anemias. Hemolytic and hypoplastic a	emias2
21. Hemorrhagic diatheses. Leukemias. Agranulocytosis	2
22. Methods for examination of the kidneys and urinary tract	2
23. Acute and chronic nephritis	2
24. Nephrolithiasis. Pyelonephritis	2
25. Graves' disease. Hypothyroidism	2
26. Hyperglucocorticism. Hypocorticism	2
27. Diabetes mellitus	2
28. Joint diseases – arthritis and arthrosis. Collagenoses	2

Academic hours

Protocol from:	
Faculty Council No.	2/ 27.05.2026r.
Prepared by:	Assoc. Prof. Dr. Darina Georgieva, MD, PhD
Head of Department:	Assoc. Prof. Dr. Darina Georgieva, MD, PhD

CONSPECT

1. Respiratory failure - acute, chronic. Treatment.

2. COPD - definition, etiology, pathogenesis, clinical picture, forms, diagnosis, treatment.
3. Bronchial asthma - etiology, pathogenesis, clinical picture, forms, diagnosis, treatment.
4. Acute and chronic bronchitis - etiology, pathogenesis, clinical picture, diagnosis, treatment.
5. Pulmonary embolism and infarction - etiology, pathogenesis, clinical picture, diagnosis, treatment
6. Pneumonia - etiology, pathogenesis, classification, clinical carditis, diagnosis, treatment
7. Lung cancer - etiology, pathogenesis, clinical picture, forms, diagnosis. Pleurisy. Pleural effusions
8. Pulmonary tuberculosis - primary and secondary forms.
9. Heart failure Clinical manifestations. Treatment
10. Rheumatism, rheumatic carditis, endocarditis - etiology, pathogenesis, clinical picture, diagnosis, treatment
11. Congenital and acquired heart defects - etiology, pathomorphology, clinical picture, diagnosis, treatment
12. Hypertensive disease - etiology, pathogenesis, clinical picture, stage, diagnosis, treatment
13. Atherosclerosis - etiology, morphology, clinical picture, diagnosis, treatment
14. IHD - etiology, pathogenesis, clinical forms, clinical picture, diagnosis, treatment
15. Myocardial infarction - etiology, pathogenesis, clinical picture, forms, ECG changes, diagnosis, treatment
16. Pulmonary heart - etiology, pathogenesis, clinical picture, diagnosis, treatment
17. Shock states - hypovolemic, cardiogenic, septic and anaphylactic shock.
18. Immune system - innate and acquired immunity.

19. Autoimmune reactions and diseases. Definition. Immunological tolerance - definition, immune processes
20. Immunomodulation - definition and directions.
21. Acute and chronic pyelonephritis - etiology, pathogenesis, clinical picture, diagnosis, treatment
22. Nephrolithiasis - etiology, pathogenesis, clinical picture, diagnosis, treatment
23. Acute renal failure. Treatment
24. Chronic renal failure. Treatment
25. Acute diffuse glomerulonephritis - etiology, pathogenesis, pathomorphology, clinic, treatment
26. Acute and chronic glomerulonephritis - etiology, pathogenesis,, ,clinical picture, diagnosis, treatment
27. Gastritis - acute and chronic - etiology, pathogenesis, pathomorphology, clinical picture, diagnosis, treatment
28. Peptic ulcer disease - etiology, pathogenesis, clinical picture, forms, complications, diagnosis, treatment
29. Gastric cancer - etiology, pathogenesis, morphology, clinical picture, forms, diagnosis
30. Acute and chronic colitis. Ulcerative colitis - etiology, pathogenesis, clinical picture, diagnosis, treatment
31. Colon cancer - etiology, pathogenesis, clinical picture, diagnosis.
32. Acute and chronic hepatitis - etiology, pathogenesis, clinical picture, diagnosis, treatment
33. Liver cirrhosis - etiology, pathogenesis, classification, clinical picture, diagnosis, treatment
34. Liver cancer.

35. Cholelithiasis and cholecystitis - etiology, pathogenesis, clinical picture, diagnosis, treatment
36. Acute and chronic pancreatitis - etiology, pathogenesis, clinical picture, diagnosis, treatment
37. Pancreatic cancer.
38. Chronic iron deficiency anemia - etiology, pathogenesis, clinical picture, diagnosis, treatment
39. Vitamin B12 and folic acid deficiency anemia - etiology, pathogenesis, clinical picture, diagnosis, treatment
40. Hemolytic anemia - etiology, pathogenesis, clinical picture, diagnosis
41. Acute leukemia - etiology, pathogenesis, clinical picture, hematological forms, diagnosis, treatment
42. Chronic myelogenous leukemia - etiology, pathogenesis, clinical and hematological picture, diagnosis
43. Chronic lymphocytic leukemia - etiology, pathogenesis, clinical and hematological picture, diagnosis
44. Hemorrhagic diatheses, types - etiology, pathogenesis
45. Lymphogranulomatosis - etiology, pathogenesis, clinical and hematological picture, diagnosis
46. Thyrotoxicosis - etiology, pathogenesis, clinical picture, diagnosis, treatment
47. Myxedema - etiology, pathogenesis, clinical picture, diagnosis, treatment
48. Itsenko-Cushing's disease and syndrome
49. Addison's disease and acute adrenal insufficiency - etiology, pathogenesis, clinical picture, treatment
50. Diabetes mellitus - etiology, pathogenesis, pathobiochemistry, types
51. Diabetes mellitus - clinical picture, complications, diagnosis, treatment
52. Gout - etiology, pathogenesis, clinical picture, diagnosis, treatment

53. Rheumatoid arthritis - etiology, pathogenesis, clinical picture, diagnosis, treatment

LITERATURE:

1. Internal Diseases - a textbook for dentistry students, edited by Prof. Valentin Kolarski; Publishing House "Medicine and Physical Education", Sofia 1999.
2. Propaedeutics of Internal Diseases - Volume I, edited by Prof. Chudomir Nachev - III revised edition; Publishing House "Knowledge", Sofia 1997.
3. Internal Diseases - Volume I, edited by Prof. Konstantin Chernev; Publishing House "Arso", Sofia 2004.
4. Internal Medicine - edited by Prof. Zahari Krastev, Sofia 2004.
5. Propaedeutics of Internal Diseases - edited by Prof. Alexander Stanchev, Publishing House "Medicine and Physical Education", Sofia 1975.
6. Physical Methods of Examination of the Patient, edited by Prof. Hristo Marinov, Publishing House, Znanie - EOOD Sofia, 2005
7. Scientific database from the digitized library collection of MU-Varna