

AL-FARABI KAZAKH NATIONAL UNIVERSITY
Faculty of Medicine and Public Health

APPROVED

Academic Committee on the Quality
of Education and Teaching of the
Faculty of Medicine and Public
Health

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THE PROGRAM OF THE FINAL EXAM
ІШКІ АУРУЛАР/ВНУТРЕННИЕ БОЛЕЗНИ/ INTERNAL
MEDICINE

4- КУРСА

IN THE DIRECTION OF TRAINING 6B101 HEALTH CARE (MEDICINE)
EDUCATIONAL PROGRAM

6B10103 ЖАЛПЫ МЕДИЦИНА
6B10103 ОБЩАЯ МЕДИЦИНА
6B10103 GENERAL MEDICINE

The purpose of the program is to assess the complex of knowledge, skills and abilities acquired by the 4th year student in the process of studying the module.

The exam is complex and consists of 2 stages.

1 stage – complex testing. Its purpose is to check the level of theoretical training of students, mastering skills, readiness for professional activity, the degree of development of professional thinking.

2 stage – assessment of practical skills using the OSCE method with a standardized patient. Its purpose is to demonstrate practical and communication skills in accordance with the qualification requirements of the specialty.

The exam score for each discipline consists of:

Stage 1 assessment for a section of the test – 40%

Stage 2 evaluation for the respective stations of the practical stage – 60%

The exam is conducted according to the academic calendar at the end of each discipline of the module.

Testing – each student takes 100 tests in each discipline

OSCE - each student passes 2 stations in each discipline:

1. Internal medicine/Ішкі аурулар/Внутренние болезни
2. Urgent conditions/Шұғыл жағдайлар/Неотложные состояния/

1 STAGE

Exam Test Matrix

Sections	№	Topics	Total
		Internal diseases	100
Pulmo nology	1	Bronchitis. ARVI. Flu. Viral pneumonia and ARDS	6
	2	Community-acquired pneumonia. Complications of pneumonia. Suppurative lung diseases. Sepsis. DIC syndrome. Hospital pneumonia and pneumonia in immunocompromised individuals	6
	3	Bronchial asthma. Complications and emergencies in bronchial asthma. Anaphylaxis, anaphylactic shock.	7
	4	COPD	3
	5	Respiratory failure. Acute and chronic cor pulmonale	2
Cardio logy	6	Ischemic heart disease. Stable exertional angina. CHD treatment. Chronic heart failure	7
	7	Acute coronary syndrome (ACS). Myocardial infarction. Complications of myocardial infarction Acute heart failure	5
	8	Arterial hypertension. Arrhythmias	7
	9	Myocarditis. Cardiomyopathy. Pericarditis	2
	10	Heart defects (congenital and acquired)	5
	11	Infective endocarditis	2
Rheum atology	12	Acute rheumatic fever and chronic rheumatic heart disease	3
	13	Medical tactics for monoarticular and polyarticular lesions, for lesions of the neuromuscular system	2
	14	Rheumatoid arthritis.	5
	15	Seronegative spondyloarthropathies	3
	16	Systemic connective tissue diseases. Systemic vasculitis.	3
Gastro enterol ogy	17	Diseases of the esophagus. Chronic gastritis, duodenitis. Peptic ulcer of the stomach and duodenum. Anemia. IDA, B-12 - deficiency anemia.	5
	18	Cholesterosis, chronic cholecystitis, cholelithiasis. Chronic pancreatitis	3
	19	Nonspecific ulcerative colitis. Crohn's disease.	3
	20	Viral hepatitis.	4
	21	Diagnostics and clinical manifestations, antiviral therapy. Hypoplastic and hemolytic anemias. Thrombocytopenia	5
	22	Liver cirrhosis. Complications of liver cirrhosis. Gastrointestinal tumors	5
Endoc rinolog y	23	Diabetes mellitus. Emergencies in diabetes mellitus. Obesity and metabolic syndrome.	5
	24	Diseases of the thyroid and parathyroid glands	3
	25	Diseases of the hypothalamic-pituitary system and adrenal glands	3
Nephr ology	26	Major syndromes in kidney disease, urinary tract infection	6
	27	Glomerular diseases	4
	28	Acute kidney injury	2
	29	Chronic kidney disease	3

2- STAGE

Subject Sections	Scenario
Internal diseases	
Pulmonology	1.Community-acquired pneumonia 2.COPD 3.Sarcoidosis
Cardiology	4.Arterial hypertension of the 2nd degree, risk 4. 5.IHD 6.CRHD, mitral stenosis/aortic regurgitation
Gastroenterology	7.GERD/ Peptic ulcer disease 8.Chronic hepatitis C
Hematology	9. B-12 deficiency anemia/aplastic anemia 10. Chronic lymphocytic leukemia/ chronic myeloid leukemia
Nephrology	11. Chronic renal failure
Endocrinology	12. Thyrotoxicosis
Rheumatology	13.Rheumatoid arthritis/systemic lupus erythematosus 14. Ankylosing spondylitis
Emergency help	1. Status asthmaticus
	2. ARDS
	3. Anaphylactic shock
	4. ACS
	5. Paroxysmal tachycardia
	6. Diabetic coma in a patient with type 2 diabetes

Procedure for passing exams Stage 1 -

Stage 1- testing by MCQ tests in Proprofs.

Each student will be asked to answer 100 test questions. The time for each question is 1.5 minutes. Testing will be carried out according to the schedule for each group.

Stage 2 - OSCE (objective structured clinical examination) with a standardized patient in a simulation center – 2 stations

Each student will be assigned an identification number that corresponds to a specific set of scenarios. Each student has to go through 2 stations, each station takes 30 minutes. Answers must be given orally and in writing.

The tasks at each station (according to the task matrix) are based on clinical cases.

Station 1 - "Internal diseases" - the student must demonstrate the skills of taking anamnesis, physical examination (examination, palpation, percussion and auscultation) with a certain pathology (according to the list of clinical cases) on a standardized patient (examination, palpation, percussion) and on a simulator (auscultation), the ability to identify and interpret findings and to identify the leading syndrome. Based on complaints, anamnesis, physical examination, the student should be able to make a preliminary diagnosis and draw up a survey plan. Upon request, the results of laboratory and instrumental examinations (blood test, biochemical analysis, acid base balance, immunological tests, pleural fluid analysis, R-gram, CT, MRI, spirometry, ECG. EchoCG, ultrasound, endoscopy, etc.) will be issued. Based on complex data, the student must formulate the final diagnosis, prescribe treatment.

Station 2 – Providing emergency care - the student must demonstrate the skills of a quick assessment of the patient's condition, according to the criteria, make a diagnosis of a condition requiring immediate intervention and provide assistance according to the algorithm, commenting on his actions if necessary; show knowledge on assessing the effectiveness of emergency care, possible complications and consequences. Behavior and self-control during the provision of emergency care, attention to the patient's condition and his safety are also assessed.

The set of tasks at each station is unique for each student and is not repeated.