

INTERNAL MEDICINE
THEMATIC PLAN OF LECTURES
FOR the 4th-YEAR STUDENTS of MEDICAL FACULTY
IN THE AUTUMN SEMESTER, 2023-2024 ACADEMIC YEAR

No	Subject	Hours	Date	Lecturer
1.	Diseases caused by <i>Helicobacter pylori</i> and gastroesophageal reflux disease: clinical presentation, principles of diagnosis and treatment.	2		Professor Olena Radchenko
2.	Chronic gastritis, peptic ulcer disease of the stomach and duodenum: principles of diagnosis and treatment.	2		
3.	Chronic diseases of the intestine: principles of diagnosis and treatment.	2		
4.	Chronic cholecystitis, gallstone disease and functional biliary disorders: principles of diagnosis and treatment.	2		
5.	Chronic hepatitis: principles of diagnosis and treatment.	2		
6.	Liver cirrhosis: principles of diagnosis and treatment.	2		
7.	Chronic pancreatitis: principles of diagnosis and treatment.	2		
Total number of hours			14	

The Head of the Department
of Internal medicine No 2

Associate Professor Komarytsya O.Y.

**THEMATIC PLAN OF PRACTICAL CLASSES
FOR the 4th-YEAR STUDENTS of MEDICAL FACULTY
IN THE AUTUMN SEMESTER, 2023-2024 ACADEMIC YEAR**

No	Subject	Hours
1.	Peculiarities of internal diseases in elder persons and patients living with obesity and related comorbidity.	5
2.	Gastroesophageal reflux disease and chronic gastritis: the main principles of diagnosis, treatment and prevention	5
3.	Peptic ulcer diseases and other ulcers of the stomach and duodenum: the main principles of diagnosis, treatment and prevention	5
4.	Chronic diseases of the large and small intestine: the main principles of diagnosis, treatment and prevention	5
5.	Cholelithiasis, chronic cholecystitis, functional biliary disorders: the main principles of diagnosis, treatment and prevention	5
6.	Chronic hepatitis: the main principles of diagnosis, treatment and prevention	5
7.	Liver cirrhosis: the main principles of diagnosis, treatment and prevention	5
8.	Chronic pancreatitis: the main principles of diagnosis, treatment and prevention	5
	Total number of hours	40

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**THEMATIC PLAN OF INDIVIDUAL WORKS OF STUDENTS
FOR the 4th-YEAR STUDENTS of MEDICAL FACULTY
IN THE AUTUMN SEMESTER, 2023-2024 ACADEMIC YEAR**

No	Subject	Hours
1.	Preparation for the practice “Peculiarities of internal diseases in elder persons and patients living with obesity and related comorbidity”, Mastering the skills of anthropometry, body mass index (BMI) calculation, obesity grade assessment, and interpretation of laboratory tests results.	3
2.	Preparation for the practice “Gastroesophageal reflux disease and chronic gastritis: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting thematic results of urea breath tests, 24-hour oesophageal pH monitoring, intragastric topographic express pH-metric test, endoscopic findings, and biopsy results.	5
3.	Preparation for the practice “Peptic ulcer diseases and other ulcers of the stomach and duodenum: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting thematic results of urea breath tests, endoscopic findings, and biopsy results.	5
4.	Preparation for the practice “Chronic diseases of the large and small intestine: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting thematic endoscopic findings, results of the coprocytogram, faecal calprotectin, antibodies to tissue transglutaminase and gliadin peptides, hydrogen tests.	6
5.	Preparation for the practice “Cholelithiasis, chronic cholecystitis, functional biliary disorders: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting thematic results of ultrasonography of the liver, bile ducts and gallbladder, microscopic and biochemical examination of bile obtained by multi-moment duodenal probing.	5
6.	Preparation for the practice “Chronic hepatitis: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting the results of CBC, blood biochemistry (total protein, protein fractions, total bilirubin with fractions, liver enzymes activity), blood serology (serum markers for autoimmune hepatitis and viral hepatitis B, C, D), and polymerase chain reactions for HBV, HCV, HDV (qualitative and quantitative analysis; viral genotyping).	5
7.	Preparation for the practice “Liver cirrhosis: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting the results of blood biochemistry (ALT, AST, GGTP, AP, bilirubin and its fractions, total protein with fractions, glucose, coagulation tests), ultrasound of the liver, gallbladder, pancreas, spleen and vessels of the portal system.	4
8.	Preparation for the practice “Chronic pancreatitis: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting the results of laboratory tests (CBC, serum levels of α -amylase, lipase, glucose, insulin, C-peptide, pancreatic polypeptide, glucagon; test with sugar load, galactose, D-xylose, stool test for faecal elastase 1, urine test for α -amylase) and abdominal ultrasound.	4
9.	Writing of medical record	25
Total number of hours		62

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THEMATIC PLAN OF LECTURES
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IN THE SPRING SEMESTER, 2023-2024 ACADEMIC YEAR

No	Subject	Hours	Date	Lecturer
1.	Pneumonia and pleurisy: principles of diagnosis and treatment.	2		
2.	Chronic obstructive pulmonary disease: principles of diagnosis and treatment.	2		
3.	Bronchial asthma: principles of diagnosis and treatment.	2		
4.	Iron-deficiency, megaloblastic, haemolytic, and aplastic anaemias: principles of diagnosis and treatment	2		
5.	Acute and chronic leukaemias, malignant lymphoma and multiple myeloma: principles of diagnosis and treatment.	2		
6.	Haemorrhagic disorders: principles of diagnosis and treatment	2		
Total number of hours 12				

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No	Subject	Hours
1.	Respiratory failure, SARSCoV2 infection (COVID-19): the main principles of diagnosis, treatment and prevention	5
2.	Pneumonia: the main principles of diagnosis, treatment and prevention	5
3.	Pleurisy, pleural effusion, suppurative destructive pulmonary diseases: the main principles of diagnosis, treatment and prevention	5
4.	Chronic obstructive respiratory disease (COPD): the main principles of diagnosis, treatment and prevention	5
5.	Bronchial asthma: the main principles of diagnosis, treatment and prevention	5
6.	Anaemias: the main principles of diagnosis, treatment and prevention	5
7.	Acute and chronic leukaemias, malignant lymphomas: the main principles of diagnosis, treatment and prevention	5
8.	Multiple myeloma, haemorrhagic disorders: the main principles of diagnosis, treatment and prevention	5
	Total number of hours	40

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No	Subject	Hours
1.	Preparation for the practice “Respiratory failure, SARSCoV2 infection (COVID-19): the main principles of diagnosis, treatment and prevention”. Mastering the skills of pulse oximetry, interpreting the results of oxygen saturation, arterial blood gas analysis, lung function tests, lung ultrasound, and chest radiographs.	4
2.	Preparation for the practice “Pneumonia: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting the results of laboratory tests (CBC, acute phase reactants, sputum analysis (i.e., microscopic, bacteriological, Gram stain smear microscopy, culture and antibiogram), lung ultrasound and chest radiographs in two projections.	5
3.	Preparation for the practice “Pleurisy, pleural effusion, suppurative destructive pulmonary diseases: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting the results of laboratory tests (CBC, acute phase reactants, sputum and pleural fluid analyses (microscopy, chemistry, culture with antibiogram), lung ultrasound, and chest radiographs.	6
4.	Preparation for the practice “COPD: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting the results of lung function tests and sputum testing.	5
5.	Preparation for the practice “Bronchial asthma: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting the results of lung function tests, sputum and allergic testing.	5
6.	Preparation for the practice “Anaemias: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting the results of CBC, blood chemistry (serum levels of iron, ferritin, iron transferrin saturation, total iron binding capacity, folate, cobalamin, total bilirubin, LDH, haptoglobin), and bone marrow biopsy.	5
7.	Preparation for the practice “Acute and chronic leukaemias, malignant lymphomas: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting the results of CBC, bone marrow and lymph node biopsy, cytochemical studies, flow-cytometry, and imaging tests on the topic. Mastering the method of transfusion of blood components and blood substitutes	6
8.	Preparation for the practice “Multiple myeloma, haemorrhagic disorders: the main principles of diagnosis, treatment and prevention”. Mastering the skills of interpreting the results of CBC, serum and urine protein, radiographic examination of bones, coagulation tests and platelets function tests. Mastering the method of determining blood type.	6
Total number of hours		42

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