

Документ подписан простой электронной подписью
 Информация о владельце:
 ФИО: Косенок Сергей Михайлович
 Должность: ректор
 Дата подписания: 10.06.2024 08:08:44
 Уникальный программный ключ:
 e3a68f3eaa1e62674b54f4998099d3d6bfdcf836

Khanty-Mansiysk Autonomous Okrug-Ugra

"Surgut State University"

Approved by
 Deputy Rector for Academic Affairs

_____ E.V. Konovalova

“13” June 2024, Record No. 5

Diagnosics and treatment of internal diseases in the elderly

Syllabus

Assigned to the Department **Internal diseases**

Curriculum s310501-ЛечДелоИн-24-5.plx
 Specialty 31.05.01 Medicine

Qualification General Practitioner

Form of education Full-time

Total (in credit unit) 2

Total academic hours 72

including:

Contact 48

Self-study 24

Control :

Credit, 9th term

Course outline in terms

Academic year (Term)	9 (5.1)		Total	
	Cur	Syl	Cur	Syl
Weeks	17 2/6			
Types of classes	Cur	Syl	Cur	Syl
Practical	48	48	48	48
Control hours	48	48	48	48
Self-study	24	24	24	24
Total	72	72	72	72

The Syllabus is compiled by:

PhD in Medical Sciences (Medicine), Associate Professor, Shuvalova O.I. _____

The Syllabus

Diagnosics and treatment of internal diseases in the elderly

Developed in accordance with Federal State Educational Standard:

Federal State Educational Standard of higher education in the specialty 31.05.01 General medicine (Order of the Ministry of Education and Science of the Russian Federation on February 9, 2016 No. 95)

Based on the Curriculum:

31.05.01 GENERAL MEDICINE

Specialization: General Medicine

Approved by the Academic Council of Surgut State University, “ 13 ” June 2024, Record No. 5

The Syllabus was approved by the department

Internal diseases

24.04.2020, Record No. 10

Head of Department, Doctor of Medicine, Professor Ariamkina O.L.

1. COURSE OBJECTIVES

1.1	<p>The aim of the course is to train professional medical skills of surveying elderly patients.</p> <p>The objectives are:</p> <ul style="list-style-type: none"> - To give diagnosis and conduct a differential diagnosis, - To know the tactics of supervising patients and modern principles of therapy; - To maintain medical documentation; - To provide emergency assistance, rehabilitation and clinical examination of elderly patients with basic diseases of internal organs.
-----	---

2. COURSE OVERVIEW

Course code (in curriculum)	ФТД.В.02
2.1 Assumed background:	
	Anatomy
	Pathologic anatomy
	Clinical pathologic anatomy
	Pathophysiology
	Clinical pathophysiology
	Internal Diseases Propaedeutics, X-Ray Diagnostics
	Pharmacology
	Hominal physiology
2.2 Post-requisites:	
	Ambulatory therapy
	Infectious diseases
	Oncogynecology
	Hospital therapy, endocrinology

3. COMPETENCES UPON COMPLETION OF THE COURSE (MODULE)

GCC-1: ability to abstract thinking, analysis, synthesis

GPC-6: readiness for maintaining medical documentation

PC-5: readiness for collecting and analysis of complaints of the patient, data collection of his history, results of examination, laboratory, instrumental, pathological-anatomical and other research for recognition of a state or establishment of the fact of existence or absence of a disease

PC-6: the ability to definition at the patient with basic pathological conditions, symptoms, syndromes diseases, nosological forms in accordance with the international statistical classification of diseases and problems associated with health, X revision

PC-8: the ability to identify tactics of maintaining patients with various nosological forms

PC-10: willingness to provide medical assistance for sudden acute diseases, states, exacerbation of chronic diseases, not involving a threat to the life of the patient and do not require emergency medical assistance

By the end of the course students must:

3.1	Know:
3.1.1	- The International Statistical Classification of Diseases and problems associated with health, X revision - The structure of morbidity in the elderly, senile age;
3.1.2	• Clinical manifestations and course of common diseases of internal organs in elderly, senile age;
3.1.3	• Functional changes in an organism of the aging person, the adaptive capacity of the organism when ageing;
3.1.4	• Indications for the use of modern methods of laboratory diagnosis of diseases;
3.1.5	• Features of medical examination of patients elderly, senile age;
3.1.6	- clinical recommendations for treating diseases;
3.1.7	• The International Statistical Classification of Diseases
3.1.8	• Standards of delivery of medical assistance on diseases;
3.1.9	• Features of the pharmacokinetics and pharmacodynamics of drugs in patients older, senile age.
3.1.10	- clinical recommendations for treating diseases of internal organs.
3.2	Be able to:
3.2.1	- justify the necessity of laboratory, instrumental examinations; consultations with medical specialists;

3.2.2	- analyze the results of the patient's examination, and if necessary, to justify and plan additional research;
3.2.3	- interpret data of laboratory and instrumental researches, consultations data of patients by doctors, and data from additional patients examining;
3.2.4	- provide emergency medical assistance;
3.2.5	- provide necessary medical assistance while treating diseases common in the clinic of the internal medicine
3.2.6	- prescribe medications therapy for diseases in accordance with the indications and pharmacodynamics and pharmacokinetics of drugs;
3.2.7	- assess the efficacy and safety of medication treatment;
3.2.8	- use the necessary medical equipment;
3.2.9	- make prescription for the diseases, pathological processes and states of internal organs in the elderly.

4. STRUCTURE AND CONTENTS OF THE COURSE (MODULE)							
Class Code	Name of sections and topics/ type of occupation/	Term / Academic year	Academic hours	Competences	Literature	Interactive	Notes
	Section 1. Introduction to the subject						
1.1	Theoretical basics of Gerontology and Geriatrics. Clinical Pharmacology of the elderly and senile age. Nutrition and the age. / Practical classes	9	4	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
1.2	Theoretical basics of Gerontology and Geriatrics. Clinical Pharmacology of the elderly and senile age. / Self-study	9	3	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
	Section 2. Cardiovascular diseases in the elderly.						
2.1	Hypertensive disease. Features of the disease course. Selecting the therapy for elderly patients. / Practical classes	9	4	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
2.2	Hypertensive disease. Features of the disease course. Selecting the therapy for elderly patient. / Self-study	9	3	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
2.3	Ischemic heart disease. Features of the disease course. Selecting the therapy for elderly patient. / Practical classes	9	4	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		

2.4	Ischemic heart disease. Features of the disease course. Selecting the therapy for elderly patient. / Self-study	9	3	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
2.5	Rhythm and conduction disturbances. Features of diagnostics. Therapy selecting./ Practical classes	9	4	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
2.6	Rhythm and conduction disturbances. Features of diagnostics. Therapy selecting./ Self-study	9	3	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
2.7	Features of the disease course and diagnosing acute and heart failure. Basic principles of pharmacotherapy./ Practical classes	9	4	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
2.8	Features of the disease course and diagnosing acute and heart failure. Basic principles of pharmacotherapy./ Self-study	9	1	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
	Section 3. Diseases of respiratory organs in the elderly.						
3.1	Chronic obstructive lung disease in elderly./ Practical classes	9	4	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
3.2	Chronic obstructive lung disease in elderly./ Self-study	9	2	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
3.3	Bronchial asthma in the elderly. Features of the disease course and diagnostics. Basic principles of Pharmacotherapy of bronchial asthma in the elderly. / Self-study	9	2	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		

3.4	Features of the disease course and diagnosing pneumonia and bronchial diseases in the elderly. Basic principles of selecting antibacterial medications. / Practical classes	9	4	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
3.5	Features of the disease course and diagnostics. Basic principles of Pharmacotherapy of bronchial asthma in the elderly. / Practical classes	9	4	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
3.6	Features of the disease course and diagnosing pneumonia and bronchial diseases in the elderly. Basic principles of selecting antibacterial medications. / Self-study	9	1	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
	Section 4. Diseases of the urinogenital system at elderly.						
4.1	Pyelonephritis in the elderly. Basic principles of therapy of pyelonephritis in the elderly. / Self-study	9	1	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
4.2	Pyelonephritis in the elderly. Basic principles of therapy of pyelonephritis in the elderly. Features of the disease course and diagnosing chronic renal failure in the elderly. Basic principles of selecting medications./ Practical classes	9	4	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		

4.3	Features of the disease course and diagnosing chronic renal failure in the elderly. Basic principles of selecting medications. /Self-study	9	1	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
	Section 5. Features of the course of the gastrointestinal diseases in elderly.						
5.1	Gastric ulcer and duodenal ulcers in the elderly. Clinical Pharmacology of drugs used in the treatment of the gastrointestinal tract diseases. / Practical classes	9	4	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
5.2	Gastric ulcer and duodenal ulcers in the elderly. Clinical Pharmacology of drugs used in the treatment of the gastrointestinal tract diseases. / Self-study	9	1	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
	Section 6. Features of the course of the osteo-articular system diseases in the elderly.						
6.1	Features of the treatment course and diagnosing joints diseases in elderly. Basic principles of selecting non-steroidal and steroidal anti-inflammatory medications. / Practical classes	9	2	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		

6.2	Features of the treatment course and diagnosing joints diseases in elderly. Basic principles of selecting non-steroidal and steroidal anti-inflammatory medications. / Self-study	9	1	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
	Section 7. Features of the course of the blood diseases in elderly.						
7.1	Iron-deficient anemia in the elderly. Features of the disease course and diagnosis, basic principles of selecting therapy. / Practical classes	9	2	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
7.2	Iron-deficient anemia in the elderly. Features of the disease course and diagnosis, basic principles of selecting therapy. / Self-study	9	2	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		
6.1	Control work /Control /	9	0	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		Control work /Control /
8.1	/ Credit /	9	0	GCC-1 GPC-6 PC-5 PC- 6 PC-8 PC- 10	L 1.1 L1.2 L1.3 L 2.1 L 2.2 L 3.1 E1 E2 E3		/ Credit /

5. FUND OF ASSESSMENT TOOLS

5.1. Tests and tasks

Presented by a single document

5.2. Topics for written papers

Presented by a single document

6. COURSE (MODULE) RESOURCES

6.1. Recommended Literature

6.1.1. Core

	Authors	Title	Publish., year	Quantity
L1.1	Yarygin V.N. ;	Guide Gerontology and Geriatrics: A Practical Guide /	Moscow: GEOTAR-Media, 2010 896 p. Electronic resource	1
L1.2	Yarygin V.N. ; Melentyev A.S.	Guide Gerontology and Geriatrics: A Practical Guide /	Moscow: GEOTAR-Media, 2010 784 p. Electronic resource	1
L1.3	Arkhangelskaya, G. S.	Selected lectures on gerontology and geriatrics [Electronic resource]: Textbook	Samara: REAVIZ, 2013-412 p. Electronic resource	1

6.1.2. Supplementary

	Authors	Title	Publish., year, год	Quantity
--	---------	-------	---------------------	----------

L2.1	Kishkun A.A.	Biological age and aging: possibilities of determination and ways of correction: a practical guide /	Moscow: GEOTAR-Media, 2008 976 p. Electronic resource	1
L2.2	Starodubtcev A.K., Maksimov M.L.	Features of the use of drugs in the elderly: a practical guide /	Moscow: GEOTAR-Media, 2011 Electronic resource	1
	Authors	Title	Publish., year, год	Quantity
L3.1	Poborsky A.	Collection of situational tasks in pharmacology: manual for students of medical faculty	Surgut: SurSU Publishing, 2006	33
6.2. Internet resources				
E 1	Gerontological society of the Russian Academy of Sciences			
E 2	"Bulletin of evidence-based medicine"			
E 3	"Consilium medicum"			
6.3.1 Software				
6.3.1.1	Operating systems Microsoft, application program package Microsoft Office			
6.3.2 Information Referral systems				
6.3.2.1	«Guarantor» http://www.garant.ru			
6.3.2.2	http://www.consultant.ru			
7. MATERIAL AND TECHNICAL SUPPORT OF DISCIPLINE (MODULE)				
7.1	Classrooms for lectures, seminars (practical classes), group and individual consultations and assessment are equipped with: typical educational furniture, technical means of training, used for the presentations.			
7.2	Classroom equipped with multimedia projector, screen, laptop, stationary blackboard, typical educational furniture: tables and chairs.			
7.3	Simulation Center equipped with simulation equipment, laboratory instruments and consumables in sufficient quantity.			
7.4	Multimedia projector BenQ			
7.5	Library of results of laboratory and instrumental researches			
7.6	Roles for standardized patients			
7.7	Library of situational tasks			
7.8	Library of clinical scenarios			
7.9	Library of estimated sheets			