INTERNATIONAL HIGHR SCHOOL OF MEDICINE
Department
of Introduction to therapy and family medicine

SYLLABUS

Palliative care in geriatrics
2026-2027 academic year
for students of medical faculty
5 course 9 semester
1 credit (30 h, including auditoria 18 h, independent work – 12 h)
form of control: control survey, testing, presentation.

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Practical classes:
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Venue: CFM №4, room 002

The Syllabus is considered
at the meeting of the department
of Introduction to therapy and family medicine
Protocol № 1 dated 27.08.2026

Head of the department_____ Kamchybekova A.A

Course Objective: The purpose of mastering the educational discipline "Palliative care in geriatrics" is to master the knowledge for the reception and examination of elderly patients, as well as the principles of organizing therapeutic and preventive care in the prehospital, hospital, and hospice stages, the skills and abilities of recognizing diseases, treatment tactics and prevention of diseases in this age group, their management.

After studying the discipline, the student must:
Knowledge: Risk factors for NCDs. Indicators of biochemical and clinical studies confirming the diagnosis. Standard algorithms for diagnosis and treatment of the most common diseases.
Skill: identify the main risk factors for the development of non-communicable diseases.
To analyze the results of biochemical and clinical studies to identify the main criteria confirming the clinical diagnosis
apply standard algorithms for diagnosis, treatment of the most common diseases. Demonstrate techniques for using and handling basic medical instruments and providing appropriate patient care
Attitude: Methods of stratification of risk factors for the development of non-communicable diseases
Skills of reasoned justification of clinical diagnosis.
Skills of correction of treatment of the most common diseases within the framework of standard algorithms in accordance with the principles of evidence-based medicine.
Skills in using and handling basic medical instruments necessary to perform professional tasks and provide appropriate patient care

Pre-requisites: Clinical Pharmacology, Propedtherapy, Internal illnesses, Oncology, Outpatient therapy

Post-requisites: Family medicine, postgraduate study

THEMATIC PLAN OF LECTURES

№	Theme of lecture	Hours	Date
1	Gerontology as a science. Geriatrics as a science. Basic concepts of gerontology. The history of the development of gerontology as a science. General patterns and theories of aging. Geriatrics as a medical specialty dealing with the treatment of the elderly.	2	According to the schedule
2	The main features of diseases and their manifestations in the elderly and senile age. Features of pharmacotherapy.	2	According to the schedule
3	Palliative care, concept, principles. Tactics of management of patients with chronic pain	2	According to the schedule
Total		**6**	

THEMATIC PLAN OF PRACTICAL CLASSES

Unit	№	Theme of practical classes	Hours	Date
1 Palliative care in geriatrics	1	Gerontology, geriatrics. Age-related changes, features of pharmacokinetics, pharmacotherapy.	2	According to the schedule
	2	Pneumonia, hypertension, coronary artery disease, acute myocardial infarction.	2	According to the schedule

	3	Musculoskeletal diseases in the elderly	2	According to the schedule
	4	Different types of paint in palliative care	2	According to the schedule
	5	Communication features of palliative care. psychological assistance to family members	2	According to the schedule
	6	Unite delivery	2	According to the schedule
total			**12**	

THEMATIC PLAN OF INDEPENDENT WORK OF STUDENTS

Unit 1	Theme of independent work	Hours
1	Features of aging of hematopoietic organs. Organization of care and rehabilitation of elderly patients with hematopoiesis disease.	**12**
2	Features of diseases of the endocrine system in the elderly and senile age. Features of aging of the endocrine system. Organization of care and rehabilitation of elderly patients with diseases of the endocrine system	
3	Organization of care and rehabilitation of elderly patients with musculoskeletal deseases. Rheumatoid arthritis and osteoarthritis.	
4	Home care. Provision of comprehensive services at home, including medical and social assistance. Participation of professional and non-professional employees.	
6	Palliative care for oncological diseases. Palliative care in clinical oncology. Specialized institutions for palliative care for cancer patients.	
7	Palliative care for patients with terminal CHF.	
8	Palliative care for patients with end-stage chronic renal failure.	
9	Palliative care for patients with end-stage chronic liver failure.	
10	Palliative care for patients with end-stage respiratory failure.	
Total		**12**

Recommended reading for the discipline:

Basic:

1.Davidson's Principles and practice of Medicine 2014. editor-in-chief, Davidson's 22th ed.-Churchil Livingstone

2 E. V Sedova F.N Paleev Basics of Geriatrics for primary health care physicians 2019 E. V Sedova F.N Paleev, Moscow Geriatrics

3 NOC of Healthcare Ministry of the Kyrgyz Republic Clinical protocol «Chronic pain» 2016 NOC of Healthcare Ministry of the Kyrgyz Republic Palliative care

Grading policy and procedures for all types of work

For the period of studying the discipline, the student gains points for the relevant parameters (per unit):

a. current score (class activity, homework) - 40 points
b. independent work - 20 points
c. control score (final assessment of knowledge per unit) - 40 points

Maximum score - 100 (40+20+40)

Grading system for student's achievements

Grading criteria per discipline				
Maximum score	Intervals			
	«unsatisfactory»	«satisfactory»	«good»	«excellent»
Current control - 40	0-23	24-30	31-35	36-40
Interval description	Does not know theory and practice. No communication skills	knows some part of theory and practice. Average communication skills	Knows well, but not completely theory, practice, communication skills are developed	knows theory, practice. Communication skills are developed
Independent work - 20	0-11	12-15	16-17	18-20
Interval description	Didn't do anything Or passed and everything is wrong	completed, but not completely and with errors	. everything is done , but there are errors	Everything is done completely and correctly
Control work (module) - 40	0-23(0-59%)	24-30(60-75%)	31-35(76-85%)	36-40(86-100%)
Interval description	Doesn't know anything, can't show the acquired knowledge	Not particularly able to apply the knowledge gained, a lot of mistakes	Knows how to apply the acquired knowledge, but gets confused.	.Knows how to apply the acquired knowledge, solves everything correctly

Conduct Policy: (lateness, absence, behavior in the auditorium, late submission of work).
- Punctuality and completion of tasks.
- Mandatory attendance of classes.
- Attending class in a clean medical uniform.
- Eliminating conversations on a cell phone in the classroom.
- Active participation in the learning process.
- Doing homework on time.
- Academic detention at the time specified by the teacher.

For violations of the Conduct Policy, the total points for discipline might be reduced to 1-10 points.

Academic Ethics Policy.
- Be tolerant, respect the opinions of others.
- Formulate objections in the correct form.
- Constructively support feedback in all classes.
- Plagiarism and other forms of dishonest work are unacceptable. Plagiarism includes the following: the absence of references when using printed and electronic materials, quotes, thoughts and works of other authors or students.
- Prompting and cheating during tests, exams, classes is unacceptable as well as passing an exam for another student, unauthorized copying of materials.

For violations of the Academic Ethics Policy, the total points for the discipline may be reduced to 1-10 points.

Guidelines for the lessons of the discipline

Unit 1. Key questions covered in lesson 1.

1.Gerontology definition, its components

2.The basic changes of bodies and the systems, connected with aging

Recommended reading for the lesson:

[2], .Davidson's Principles and practice of Medicine 2014. editor-in-chief, Davidson's 22th ed.- Churchil Livingstone

Computer training programs: video trainings

https://www.youtube.com/watch?v=kEQd_wAS6yI

Key questions covered in lesson 2.

1. IHD. Angina and myocardial infarction. Features of diagnosis, treatment and rehabilitation of the elderly patients.
2. Arterial hypertension, features of the course and treatment in the elderly.
3. Heart failure in the elderly. Features of pathogenesis and treatment
4. Features and treatment of pneumonia in the elderly

Recommended reading for the lesson:

[2],.Davidson's Principles and practice of Medicine 2014. editor-in-chief, Davidson's 22th ed.- Churchil Livingstone

Computer training programs: video trainings

https://www.youtube.com/watch?v=bS1x42bVvDI

https://www.youtube.com/watch?v=TztRuQHmARA

Key questions covered in lesson 3.

1. Features of aging of the musculoskeletal system.
2. Osteoarthritis, clinic, treatment.
3. Osteoporosis: pathogenesis, classification, clinical picture, diagnosis, treatment.
4. Organization of care and rehabilitation of elderly patients with musculoskeletal diseases.

Computer training programs: video trainings

https://www.youtube.com/watch?v=Rgtl97yO5ec&t=19s

https://www.youtube.com/watch?v=DBZIBFC8ang

Key questions covered in lesson 4.

1. Pain. Classification and elimination of pain.
2. Diagnosis of pain and its monitoring. Methods of gradation of pain intensity.
3. Experiences of pain. Suffering as an emotional reaction of the body to pain.
4. Basics of pain therapy. Classification of analgesic drugs. Basic requirements for pain relief programs.

Computer training programs: video trainings

https://www.youtube.com/watch?v=YzBd84pvOoA

https://www.youtube.com/watch?v=kLi6wSGqBxQ

https://www.youtube.com/watch?v=MH5UxisYm9I&t=686s

Key questions covered in lesson 5.

1. Communication features of palliative care. Communication with clients, relatives and the immediate environment
2. Prevention of reactive depression
3. Ethical and legal problems of the attitude towards the dying

Recommended reading for the lesson:

[2],.Davidson's Principles and practice of Medicine 2014. editor-in-chief, Davidson's 22th ed.- Churchil Livingstone

Computer training programs: video trainings
https://www.youtube.com/watch?v=iYpZYa_WnjE

https://www.youtube.com/watch?v=KZ9ZXS4C3No

https://www.youtube.com/watch?v=_6G0Nf3X-Yc

https://www.youtube.com/watch?v=kEQd_wAS6yI&t=16s

Lesson 6

Unit delivery

Methodological instructions for the implementation of independent work on the discipline
1. working with lecture material
2. search and review of literature and electronic sources of information on a given topic
3. study of the material submitted for independent study
4.watching educational films
5. completing homework for the lesson