MINISTRY OF EDUCATION AND SCIENCE OF THE KYRGYZ REPUBLIC
OSH STATE UNIVERSITY
INTERNATIONAL OF MEDICAL FACULTY

Department of Surgical disciplines with Traumatology course

REVIEWED
at the meeting of the Department № ___
from "___" _____ 2023-2024year
Head of the Department Associate Professor
Kurbanbaev O. I._____

Approved_____
Chairwoman of the IMF EMC,
Associate Professor, Bazieva A. M.
"_____"_____2023-2024year

SYLLABUS

of the discipline: «Oncology, palliative medicine» for students studying in the direction of: "560001-General Medicine (GM)»

course information:

year 2023-2024

semester X, spring

credit 5

Hr 150 (lectures -30 hrs, practical classes -45 hrs)

SFW-75 hrs

Number of border controls -2, exam

Information about the instructors:

№	name	Degree	Position	E-mail
1	**Zhanek Belekov**	doctor of Medical Sciences	Professor of the Department, Head of the State Oncology hospital	zhbelekov00@gmail.com
2	**Paizova Zarypahan**	Candidate of Medical Sciences	associate Professor of the Department, doctor of the State Oncology hospital	Paizova66@mail.ru
3	**Gulshat Matkasymova**	Instructor	lecturer of the Department	mgulshat18@gmail.com
4	**Abdumazhit Kaiypov**	Instructor	Lecturer of the Department	Shahkg@mail.ru

Goals

- By graduation, medical students should understand the basic concepts of the science of oncology relevant to molecular biology, pathology and anatomy;
- Medical students should understand the risk factors for cancer and be able to identify opportunities for prevention and screening;
- medical students should know common presentations of cancer and how to make a diagnosis of cancer;
- medical students should know how cancer is managed from a multidisciplinary perspective. This will facilitate appropriate referral and care patterns for cancer treatment;
- medical students should have detailed knowledge of the most common cancers and basic knowledge regarding other common cancers;
- medical students should know the appropriate ethical and professional conduct when dealing with cancer patients.

Objectives At the end of MS course in Oncology,palliative medicine, the student will be able to

- Describe in general terms how cancers develop and be able to describe the hallmarks of cancer;
- Define the terms metaplasia, dysplasia, carcinoma, sarcoma, lymphoma, leukemia and germ cell tumour;
- Demonstrate an understanding of relevant anatomy for common cancers (i.e. prostate, breast, lung and colorectal cancers) in terms of how they invade and metastasize, with an emphasis on invading adjacent structures, spread through the lymphatic and vascular systems;
- Describe the incidence rate and mortality rates of the most common cancers diagnosed in the world;
- Identify common environmental hazards that can cause cancer (i.e. chemical, biological, physical, radiation);
- Distinguish between primary, secondary and tertiary prevention;
- List the criteria for an effective population-level screening program.
- Describe Clinical Presentations of Cancer, Diagnostic Tests, Cancer Staging, General Principles of Cancer Treatment;
- Medical students should know the appropriate ethical and professional conduct when dealing with cancer patients.

SKILLS:

The student should have :

A caring and compassionate nature when dealing with patients. A thorough and up-to-date working knowledge of cancers and cancer treatment options. Strong communication, interpersonal, and leadership skills.

Competences.

PC-12-is able to analyze the patterns of functioning of individual organs and systems, use knowledge of anatomical and physiological features, basic methods of clinical and laboratory examination and assessment of the functional state of the body of an adult and children, for timely diagnosis of diseases and pathological processes;

PC-14-able to perform basic therapeutic measures for the most common diseases and conditions in adults and children

PC-27-ready to study scientific and medical information, domestic and foreign experience on the subject of research

Learning outcomes:

LO7-Is able to apply basic knowledge in the field of diagnostic activities to solve professional problems

LO8- is able to apply basic knowledge in the field of medical activity to solve professional problems

LO11-Is able to apply basic knowledge in the field of research activities to solve professional problems.

The map of accumulation points

№	Practical Classes							Module			Self Work				Lectures				Total
	Activity on pract.	Notes	Participation in			Situational tasks	Total points for	Situational tasks	MCQ	Total points	The design of the	Disclosing of Topic	Answers to control questions	Total points for SW	Attendance	Notes	Answers to control	Total points for	
Max. points	10	2	5	4	5	4	**30**	10	20	**30**	5	15	10	**30**	**5**	**15**	**10**	**30**	**30**

Practical class topics

№	Topics	hours
1	Cancer biology: Molecular and genetic basis. Familial cancers and genetic testing. Cancer diagnosis: Histopathology, cytology and tumour markers.Cancer diagnosis: staging and imaging.	**3**
2	Ethics and professional development. Screening and prevention Principles of cancer management. Principles of medical therapy. Principles of radiotherapy. Principles of cancer immunotherapy	**3**
3	Principles of cancer surgery. Principles of palliative care. Skin cancer	**3**
4	Head and neck cancer	**3**
5	Lung cancer	**3**
6	Breast cancer	**3**
7	Oesophageal cancer Gastric cancer	**3**
8	Colorectal cance	**3**

	Pancreatic,gallbladder and liver cancers	
9	Gynaecological cancers	**3**
10	Urogenital cancers. Cancers of male reproductive system	**3**
11	Haematopoietic and lymphoid malignancies	**3**
12	Lymphoma	**3**
13	Soft tissue sarcomas Bone tumours	**3**
14	Central nervous system tumours	**3**
15	Childhood cancers	**3**
	TOTAL	**45**

Selfwork topics.

№	Topics	hours
1	Statistics of cancer in the world(presentation)	4
2	Carcinogenesis. Pre-malignant lesions and conditions.	6
3	Principles of the treatment of cancer	5
4	Prevention of Cancer	3
5	Tumor markers	4
6	Reabilitation of Oncopatients.	4
7	Tumors of oral cavity	5
8	Tumors of Upper respiratory tract	6
9	Thyroid cancer	5
10	Benign tumors of hepatopancreatoduodenal zone	5
11	Tumors of the kidney and urinary tract. Tumors of the adrenal glands	6
12	Lymphoma	5
13	Neuroblastoma	5
14	The tumors of the pleura. Benign tumors mediastinal organs. Tumors of the heart	7
15	Cervical cancer	5
	Total	**75hours**

List of recommended literature

Basic:

1. DeVita, Hellman, and Rosenberg's Cancer: Principles and Practice of Oncology 11th and 12th ed.

https://www.pdfdrive.com/devita-hellman-and-rosenbergs-cancer-principles-and-practice-of-oncology-e189956712.html

2. Oxford handbook of oncology, Jim Cassidy, Donald Bissett 2015
https://www.pdfdrive.com/oxford-handbook-of-oncology-d175293301.html
3. Oxford Textbook of Oncology
by David J. Kerr & Daniel G. Haller & Cornelis J. H. van de Velde & Michael Baumann
https://www.pdfdrive.com/oxford-textbook-of-oncology-e157963471.html
4. Manual of Clinical Oncology by Bartosz Chmielowski & Mary Territo
https://www.pdfdrive.com/manual-of-clinical-oncology-e189412063.html

additional:
1. Clinical Oncology. Anthony J Neal, Peter J Hoskin
2. Surgical oncology. Graeme Poston, Linda Wild. Riccardo A Audisio.
3. Bailey and loves short practice of surgery vol.2 2004

Internet sourses:
1. https://en.wikipedia.org/wiki/oncology
2. https://www.oncojournal.com/
3. http://teachmeoncology.com/

Discipline Policy:
Requirements for students:
1. Be active in practical activities;
2. Be able to work in a team;
3. Have a presentation on the topic of the forthcoming lecture, be ready to give feedback on the lecture;
4. Must perform daily tasks according to the schedule of lecture, practical classes and classes SROP and SRO;
5. In case of lack of activity and in case of non-fulfillment of the task, measures of punishment are applied and the score on practical training is reduced;
6. Participate in discussions, perform individual and group tasks, explore and other resources;
7. Do not skip classes without respectful reasons;
8. Have a tidy appearance;
9. To show activity in practical classes;
10. Do not miss classes;
11. Keep the working place clean.

Penalty points
If you miss each lecture session without a valid reason and without further training, it is reduced by 10 point, if you miss each practical lesson, it is reduced by 10 point. The rating of admission to the exam consists of the average score of the practical lesson, the selfwork, and the boundary control.
The final rating of admission to the exam in the subject must be at least 61 .

Methods of teaching and teaching (small groups, discussion, situational tasks, work in pairs, presentations, case studies, etc.).
• Lectures – overview.
• Practical exercises: working in small groups, wrighting notes, drawing diagrams, learning TNMstaging,making crosswords, solving case studies e t.c.

Independent work of students - work with literature, performance of tasks and exercises, preparation and protection of thematic abstracts and presentations.