

Program of Study: General Medicine

Course: Clinical Oncology

Abbreviation: ONK/VA011

Schedule: 24 hours of exercises

Course Distribution: 5th year, summer semester

Number of Credits: 2

Course Form: Exercises

Leading Teacher: Prof. MUDr. Bohuslav Melichar, Ph.D.

Study: Block, 8.15 - 12.45 hour

Room: Oncology dept. – Demonstrational room

Block Date: 11 Oct 2022 - 14 Oct 2022 (41th week)
 31 Jan 2023 - 03 Feb 2023 (05th week)
 14 Feb 2023 - 17 Feb 2023 (07th week)
 30 May 2023 - 02 Jun 2023 (22th week)

	Block Day	Subject	No. of Less.
1	1st day - Tuesday	Cancer epidemiology, genetic background of tumor cell, carcinogenesis, theory of tumor origin, primary and secondary prevention, TNM. Oncological vigilance in differential diagnosis, rules of examination process, secondary prevention. Strategy of cancer treatment, decision making, treatment modalities.	6
2	2nd day - Wednesday	Current concept of radiotherapy, sources of ionizing radiation, technical equipment, basic radiobiology, major factors affecting radiation, brachytherapy and external beam therapy. Radiotherapy of the most frequent malignant tumors, radiotherapy of benign diseases. Early and late reactions – practise of diagnosis and management	6
3	3rd day - Thursday	Principles of cytotoxic chemotherapy and hormonal therapy. Chemotherapy: indications, adjuvant, neoadjuvant and palliative	6

		chemotherapy, hormonal therapy, immunotherapy. Chemotherapy – practise of adverse reactions and management.	
4	4th day - Friday	Paliative and terminal care. Supportive treatment, psychosocial aspects in oncology. Practical teaching at clinics according to the division- practise of oncological examinations and care.	6

Completed by: Credit, exam.

Requirements: The condition for granting the credit is 100% active participation in practical exercises with mastering the basics of examination and care of cancer patients.

Literature: Pazdur R., Coia L.R., Hoskins W.J., Wagman L.D.:Cancer Management: A Multidisciplinary Approach, 7th edition. The Oncology Group, New York, 2003.

Orla McArdle, Deirdre O'Mahony: Oncology, Churchill Livingstone Elsevier, New York, 2008