

<b>Study program:</b> Integrated Academic Studies in Medicine
<b>Course title:</b> Oncology
<b>Teachers:</b> Svetlana L. Popović Petrović, Zoran D. Radovanović, Silvija M. Lučić, Lazar S. Popović, Spirovski Milena
<b>Course status:</b> compulsory
<b>ECTS Credits:</b> 3
<b>Condition:</b> Surgery; Gynaecology and Obstetrics; Internal Medicine
<p><b>Course aim</b></p> <p>The aim of this course is to provide medical students with knowledge and skills for early screening, diagnosis, therapy and palliative care of oncology patients. Students learn about the etiology of malignant cells, their spread, epidemiology, prevention, early detection of precancerous lesions and malignant tumors, adequate diagnostic procedures, staging, clinical manifestations, signs and symptoms, complications during treatment, emergency situations, therapeutic modalities including surgery, radiotherapy, chemotherapy, immunotherapy, hormone therapy, target therapy, rehabilitation, palliative care, psychological attitude to patients and their families, better quality of life. Special attention is paid to diagnostic and therapeutic procedures of solitary localized tumors.</p>
<p><b>Expected outcome of the course</b></p> <p>This course provides medical students with knowledge about most important principles and specificities of treatment of oncology patients in order to be able to be a part of a multidisciplinary team as general practitioners. Physicians in primary care should be included in prevention and early detection of malignant diseases, recognition of signs and symptoms of malignant diseases, complications during treatment and contribute to better quality of life for oncology patients.</p> <p>To acquire practical skills required in diagnosis, treatment and palliative care of oncology patients.</p>
<p><b>Course description</b></p> <p><i>Theoretical education</i></p> <ol style="list-style-type: none"> <li>1. Origin and biology of malignant tumors, carcinogenesis</li> <li>2. Genetic predisposition to malignant diseases</li> <li>3. Epidemiology, etiology and early detection of malignant diseases</li> <li>4. Diagnosis (laboratory, pathology)</li> <li>5. Diagnostic imaging in oncology</li> <li>6. Neoplasm staging and therapeutic principles</li> <li>7. Principles of surgical oncology</li> <li>8. Principles of radiotherapy</li> <li>9. Principles of chemotherapy</li> <li>10. Emergency conditions in oncology</li> <li>11. Complications of cancer therapy</li> <li>12. Paraneoplastic syndrome</li> <li>13. Rehabilitation in oncology</li> <li>14. Supportive, symptomatic and palliative therapy</li> <li>15. Tumors of the CNS, head and neck</li> <li>16. Lung tumors</li> <li>17. Breast tumors</li> <li>18. Hematologic malignancies</li> <li>19. Tumors of the digestive system</li> <li>20. Tumors of the female reproductive organs</li> <li>21. Tumors of the urinary tract and kidneys</li> <li>22. Tumors of the male reproductive organs</li> <li>23. Tumors of the skin, bones and soft tissues</li> <li>24. Tumors of unknown primary origin</li> </ol> <p><i>Practical education</i></p> <p>History taking in oncology patients (examination of breasts, palpation of the lymph nodes, abdomen, digitorectal examination, gynaecologic examination), performance status, diagnostic and therapeutic procedures in oncology (endoscopy, pleural and</p>

abdominal puncture), psychological approach to patients and their families.  
 Case reports of oncology patients with special overview of diagnosis and therapy of certain malignant tumors.

**Literature**

*Compulsory*

1. Stephens FO. Basics of Oncology. Springer 2009.
2. Sabesan S. Clinical Oncology for Medical Students. Cancer Council Australia 2016.

<b>Number of active classes</b>	<b>Theoretical classes: 30</b>	<b>Practical classes: 15</b> <b>Other classes: 15</b>
---------------------------------	--------------------------------	--

**Teaching methods**

Lectures and practice.

**Student activity assessment (maximally 100 points)**

<b>Pre-exam activities</b>	<b>points</b>	<b>Final exam</b>	<b>points</b>
Lectures	15	Written	60
Practices	15	Oral*	
Colloquium		.....	
Essay	10		

\*optional after written exam