



UNIVERSITY OF SPLIT SCHOOL OF MEDICINE

DEPARTMENT OF CLINICAL ONCOLOGY MEDICAL STUDIES IN ENGLISH,

5TH YEAR – MEDICINE (2021./22.)

Head of Department:

Professor Eduard Vrdoljak, PhD. MD

CLINICAL ONCOLOGY

1. OBJECTIVES

Cancer is one of mankind's severest diseases, causing a death rate of 25% in developed countries. Due to advances in cancer screening, diagnoses and treatment, future doctors will face an increasing number of cancer patients and survivors. The aim of this course is to cover fundamental understanding of cancer biology, epidemiology, diagnostics, basic knowledge in systemic oncologic therapy and radiotherapy cancer, as well as outlines of role of family doctor and palliative care. Recognizing of oncologic emergencies as well as side-effects of oncologic treatment will be stressed out. In addition, students should become familiar clinical decision making based on interdisciplinary team communication and application of treatment concepts/algorithms in a multidisciplinary setting.

2. COURSE DESCRIPTION

The course of Clinical oncology is delivered through lectures (8h), seminars (16h) and clinical practical (26h), in total 50h.

Lectures and seminars will be held in University Hospital of Split, location Firule and clinical practicals will be held in Department of oncology and radiotherapy (Firule).

3. STUDENT'S RESPONSIBILITIES

Students should prepare themselves in advance for active participation in seminars and practical.

For all Clinical exercises students must have a white coat!

The attendance is obligatory to all lectures, seminars and practical. Students may be absent up to 10% of all teaching modalities.

4. TEACHING STAFF

Prof. Eduard Vrdoljak PhD, MD.	edo.vrdoljak@gmail.com
Assoc. Prof. Tomislav Omrčen, PhD, MD.	tomislavomrcen@yahoo.com
Assist. Prof. Branka Petrić Miše, PhD, MD.	brapemi@gmail.com
Assist. Prof. Marijo Boban, PhD, MD.	mboban@kbsplit.hr
Assist. Prof. Tihana Boraska Jelavić, PhD, MD.	tihana_boraska@yahoo.com
Assist. Prof. Lidija Bošković, PhD, MD.	lidija.boskovic123@gmail.com
Assist. Prof. Marija Ban, PhD, MD.	marija.ban1979@gmail.com
Ante Strikić, MD.	astrikic@gmail.com
Jelena Viculin, MD.	jviculin@yahoo.com

5. LITERATURE:

Obligatory: Clinical Oncology, editors Anthony J Neal and Peter J Hoskin, 4th edition; 2012. by Taylor and Francis Group

Written materials provided by teachers.

Additional:

1. **Klinička onkologija**, editors Vrdoljak E, Belac Lovasić I, Kusić Z, Gugić D, Juretić A; 2018. by Medicinska naklada
2. **Cancer: Principles and Practice of Oncology**, editors DeVita VT, Lawrence TS, Rosenberg SA, 11th edition, 2018. by Lippincott Williams and Wilkins;
3. **Perez and Brady's Principles and Practice of Radiation Oncology**, editors Halperin EC, Perez CA, Brady LW, Waser DE, 7th edition, 2018. by Lippincott Williams and Wilkins
4. www.nccn.org
5. www.esmo.org

6.TEACHING PLAN AND TIMETABLE

Lectures schedule		LECTURER	Time (hours)	Date 11:20-12:05h
L 1	Introduction to Oncology; Tumor biology PAK classroom	Vrdoljak E., Full Prof.	1	11.5.22.
L 2	Tumor etiology PAK classroom	Vrdoljak E., Full Prof.	1	12.5.22.
L 3	Cytostatic therapy PAK seminar room 2	Ban M., Assist. Prof.	1	13.5.22.
L 4	Tumor epidemiology PAK seminar room 2	Boskovic L., Assist. Prof.	1	16.5.22.
L 5	Radiotherapy PAK seminar room 2	Boraska Jelavic T, Assist. Prof.	1	17.5.22.
L 6	Hormonal therapy PAK computer room	Petrić Miše B., Assist. Prof.	1	18.5.22.
L 7	Other forms of oncological therapies (targeted therapy, gene therapy, photodynamic therapy, hyperthermia, antiangiogenic therapy) PAK amphitheater	Boban M., Assist. Prof.	1	19.5.22.
L 8	Immunotherapy PAK computer room	Omrčen T, Assoc. Prof.	1	20.5.22.

Seminar schedule		PRESENTER	MODERATOR	Time/date/ (hours)
S 1	Gynecologic malignancies (vulva, vagina, cervical cancer) PAK classroom	Anso A. Berntsen J	Prof. E. Vrdoljak	11.5.22. 12:10-13:45h
S 2	Gynecological malignancies (uterine tumors, ovarian cancer, fallopian tube cancer) PAK classroom	Birley J. Er K.	Prof. E. Vrdoljak	2hr
S 3	Lung cancer PAK classroom	Hafsmo T. Kvartuc L.	Assist. Prof. M. Boban	12.5.22. 12:10-13:45h
S 4	Lung cancer PAK classroom	Luciani L. - Erasmus Lundstrom F.	Assist. Prof. M. Boban	2hr
S9	Gastrointestinal tract tumors 1 (esophageal, gastric, pancreatic cancer) PAK seminar room 2	Hafsmo T. Kvartuc L.	Assoc. Prof. T. Omrčen	13.5.22. 12:10-13:45h
S10	Brain tumors; Prevention and diagnostics of tumors PAK seminar room 2	Luciani L. - Erasmus Lundstrom F.	Assoc. Prof. T. Omrčen	2hr
S7	Breast cancer PAK computer room	Anso A. Berntsen J	Assist. Prof. B. Petrić Miše	16.5.22. 12:10-13:45h
S8	Breast cancer PAK computer room	Birley J. Er K.	Assist. Prof. B. Petrić Miše	2hr

S5	Urogenital tumors (kidney cancer, renal pelvis and ureter cancer, bladder cancer) PAK computer room	Majer Kovačić M - Erasmus Matulić I.	Assist. Prof. T. Boraska Jelavić	17.5.22. 12:10-13:45h
S6	Urogenital tumors (prostate, penis and testicular cancer) PAK computer room	Peco Dz. Smalira J. - Erasmus	Assist. Prof. T. Boraska Jelavić	2hr
S11	Psychosocial aspects of oncologic patients PAK computer room	Majer Kovačić M - Erasmus Matulić I.	Assist. Prof. L. Bošković	18.5.22 12:10-12:55h 1hr
S16	Skin cancer, melanoma PAK computer room	Luciani L. - Erasmus Lundstrom F.	Assist. Prof. B. Petrić Miše	18.5.22 13-13:45h 1hr
S13	Side-effects of oncologic therapy PAK amphitheater	Anso A. Berntsen J	Prof. E. Vrdoljak	19.5.22 12:10-12:55h 1hr
S14	Gastrointestinal tumors II (colorectal cancer, cancer of small intestine, biliary tract cancers, hepatocellular cancer) PAK amphitheater	Birley J. Er K.	Assist. Prof. M. Ban	19.5.22 13-13:45h 1hr
S12	Palliative therapy in oncology PAK computer room	Peco Dz. Smalira J. - Erasmus	Assist. Prof. L. Bošković	20.5.22 12:10-12:55h 1hr
S15	Head and neck cancer PAK computer room	Hafsmo T. Kvartuc L	Assist. Prof. M. Ban	20.5.22. 13-13:45h 1hr

Practicals schedule

- practicals will be held at Clinic of Oncology and radiotherapy (Hospital Firule)
- **every working day from 08:00-10:25h**
- important: Attendance of practicals is obligatory.
- For all clinical practicals students must have a white coat!

Teacher	Date							
	11.5.22.	12.5.22.	13.5.2022.	16.5.22.	17.5.22.	18.5.22.	19.5.22.	20.5.22.
Vrdoljak E., Full Prof.	P1	P2						
Omrčen T, Assoc. Prof.				P1				P2
Petrić Miše B., Assist. Prof.	P2	P3	P1					
Boban M., Assist. Prof.					P3	P1	P2	
Boraska Jelavic T, Assist. Prof.				P2		P3		
Boskovic L., Assist. Prof.					P2		P1	P3
Ban M., Assist. Prof.	P3	P1	P2					
Strikić A, MD				P3	P1	P2		
Viculin J. MD			P3				P3	P1

Week #1

11. May 2022. (Wednesday)

08 - 10,25 **Practice, P1:** groups 1-3; E. Vrdoljak, B. Petrić Miše, M. Ban

11,20 - 12,05 **Lecture:** L1 - prof. E. Vrdoljak

12,10 – 13,45 **Seminars:** S1- prof. E. Vrdoljak
S2- prof. E. Vrdoljak

12. May 2022. (Thursday)

08 - 10,25 **Practice, P2:** groups 1-3; E. Vrdoljak, B. Petrić Miše, M. Ban

11,20 - 12,05 **Lecture:** L2 - prof. dr. sc. E. Vrdoljak

12,10 – 13,45 **Seminars:** S3- M. Boban
S4- M. Boban

13. May 2022. (Friday)

08 - 10,25 **Practice, P3:** groups 1-3; B. Petrić Miše, M. Ban, J. Viculin

11,20 - 12,05 **Lecture:** L3 - M. Ban

12,10 – 13,45 **Seminars:** S9- T. Omrčen
S10- T. Omrčen

Week 2#

16. May 2022. (Monday)

08 - 10,25 **Practice, P4:** groups 1-3: T. Omrčen, T. Boraska Jelavić, A. Strikić

11,20 - 12,05 **Lecture:** L4 - L. Bošković

12,10 – 13,45 **Seminars:** S7 - B. Petrić Miše
S8 - B. Petrić Miše

17. May 2022. (Tuesday)

08 - 10,25 **Practice, P5:** groups 1-3: L. Bošković, M. Boban, A. Strikić

11,20 - 12,05 Lecture: L5 - T. Boraska Jelavić

12,10 – 13,45 **Seminars:** S5 - T. Omrčen
S6 - T. Omrčen

18. May 2022. (Wednesday)

08 - 10,25 **Practice, P6:** groups 1-3: M. Boban, T. Boraska Jelavić, A. Strikić

11,20 - 12,05 Lecture: L6 - B. Petrić Miše

12,10 – 13,45 **Seminars:** S11- L. Bošković
S16- B. Petrić Miše

19. May 2022. (Thursday)

08 - 10,25 **Practice, P7:** groups 1-3: M. Boban, L. Bošković, J. Viculin

11,20 - 12,05 Lecture: L7 - M. Boban

12,10 – 13,45 **Seminars:** S13- E. Vrdoljak
S14- M. Ban

20. May 2022. (Friday)

08 - 10,25 **Practice, P8:** groups 1-3: T. Omrčen, L. Bošković, J. Viculin

11,20 - 12,05 Lecture: L8 - T. Omrčen

12,10 – 13,45 **Seminars:** S12 - L. Bošković
S15 – M. Ban

7. STUDENT LIST

SEMINAR GROUPS	PRACTICAL GROUPS	STUDENT		
S1	P1	1	Anso	Anna
		2	Berntsen	Julia
		3	Birley	Jana
		4	Er	Kerstin
	P2	5	Hafsmo	Therese
		6	Kvartuc	Lukas
		7	Luciani	Luigi – Erasmus
		8	Lundstrom	Fritiof
	P3	9	Majer Kovačić	Maja – Erasmus
		10	Matulić	Ivona
		11	Peco	Dzenisa
		12	Smalira	Joanna – Erasmus

8. EXAM

Requirements for taking the final exam are orderly attendance to all teaching activities during the course of Clinical oncology.

The final mark is the result of the written test and oral exam. Successful completion of the written test is a prerequisite for the oral exam. Once passed, the written test is valid throughout the current academic year.

The written exam consists of 50 questions.

A minimum of 60% correct answers is required to pass the written test.

The marks of the written exam correspond to the test score as follows:

46-50	Excellent (5)
41-45	Very good (4)
36-40	Good (3)
31-35	Sufficient (2)
≤ 30	Insufficient (1)

In oral exam students will be asked about the basics of different treatment modalities used in oncology, as well as etiology, epidemiology, clinical picture, diagnostics, therapy and prognosis of solid tumors. Students need to know oncologic emergency conditions as well as typical side effects of specific oncologic therapy.

TERMS

I. 24.5.2022. 08:15-08:45 Written Exam

10:30-13:30 Oral exam

II. To be announced

III. To be announced

IV. To be announced

9. CORRESPONDENCE WITH STUDENTS

marija.ban1979@gmail.com