



UČNI NAČRT PREDMETA / COURSE SYLLABUS

Ime predmeta:	Patologija - specialna patologija
Course title:	Pathology - special pathology

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester
Splošna medicina, enovit magistrski študijski program		Tretji	5. in 6.
General medicine, Uniform master's degree study program		Third	5th and 6th

Vrsta predmeta (obvezni ali izbirni) /
Course type (compulsory or elective)

obvezni

compulsory

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial			Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
30	45	AV	LV	RV	45		60	6

Nosilec predmeta / Course
coordinator:

izr. prof. dr. Veronika Kloboves Prevodnik

Jeziki / Languages:

Predavanja / Lectures:

slovenski/slovene

Vaje / Tutorial:

slovenski/slovene

Pogoji za vključitev v delo oz. za opravljanje študijskih
obveznosti:

Prerequisites for enrolling in the course or for
performing study obligations:

Vsebina (kratak pregled učnega načrta):

Kardiovaskularni sistem
Respiratorni sistem
Digestivni sistem
Jetra, biliarni sistem in eksokrini pankreas
Endokrini sistem
Dojka
Ženski genitalni sistem
Moški genitalni sistem
Ledvice in urinarni trakt
Bezgavke, timus in vranica
Kri in kostni mozeg
Koža
Osteoartikularna in mehka tkiva
Centralni in periferni živčni sistem

Content (syllabus outline):

Cardiovascular system
Respiratory tract
Alimentary system
Liver, biliary system and exocrine pancreas
Endocrine system
Breast
Female genital tract
Male genital tract
Kidneys and urinary tract
Lymph nodes, thymus and spleen
Blood and bone marrow
Skin
Osteoarticular and connective tissues
Central and peripheral nervous systems

Temeljni literatura in viri / Reading materials:**TEMELJNA LITERATURA:**

- JCW Underwood. General and systematic pathology. 6 Ed. Churchill Livingstone, 2013, 7 Ed. 2019
- Robbins Basic Pathology. 10th Ed. Elsevier Saunders 2019

PRIPOROČENA LITERATURA

- Ivan Damjanov. Pathology secrets. 3 Ed. Elsevier Mosby 2008
- Osnove patologije. (N Zidar, N Gale) 1. izdaja, Katedra za patologijo Medicinske fakultete Univerze v Ljubljani 2011
- Klinično-patološki primeri, vaje iz patologije za študente medicine in dentalne medicine (N Zidar, M Popović), 1. izdaja, Katedra za patologijo Medicinske fakultete Univerze v Ljubljani 2012
- Rosai and Ackerman's Surgical Pathology, 11Ed, Vol 1 and 2, Elsevier 2017
- Rubin's Pathology, Clinicopathologic Foundations of Medicine, 7Ed. Lippincott Williams & Wilkins, 2015

Cilji in kompetence:

Analiza specifičnih bolezni po organskih sistemih.

Objectives and competences:

Analysis of specific diseases according to organ systems.

Predvideni študijski rezultati:

Znanje in razumevanje:

Študent pojasni osnovne diagnostične postopke v različnih pogojih organizma.

Prenesljive/ključne spretnosti in drugi atributi:

Študent analizira rezultate diagnostike za varno in uspešno izvajanje zdravljenja.

Intended learning outcomes:

Knowledge and Understanding:

The student explains the basic diagnostic principles in different settings.

Transferable/Key Skills and other attributes:

The student analyses diagnostic results to practise medicine safely and effectively.

Metode poučevanja in učenja:

Predavanja

Histopatološke vaje s klinično-patološkimi primeri

Learning and teaching methods:

Lectures

Histopathology course with clinico-pathologic cases

Načini ocenjevanja:

Delež (v %) /
Share (in %)

Assessment methods:

Način (pisni izpit, pisni kolokviji, ustno izpraševanje, naloge, projekt)

Kolokviji- test proste izbire

Izpit - testi proste izbire (Opravljene vaje in vsi kolokviji so pogoj za pristop k izpitu)

ŠTUDIJSKE OBVEZNOSTI ŠTUDENTOV:

Obvezna 50 % udeležba na predavanjih,
Obvezna priprava predhodnih seminarjev za vaje, prisotnost na vajah z diskusijo klinično-patoloških primerov in opravljeni kolokviji iz vaj
Opravljena dva kolokvija iz vsebine predavanj.

Type (examination, oral, coursework, project):

Partial examination – multiple choice questionnaire

Final exam -multiple choice questionnaire
(Completed lab work and all partial exams are condition for approach to exam)

ACADEMIC OBLIGATIONS OF STUDENTS:

Obligatory 50% attendance at lectures
Obligatory preparation of preceding coursework assignments for laboratory practice, attendance at laboratory practice with a discussion of clinical-pathological cases and passed partial exams from clinical-pathological cases.
Two passed partial exams from the topics of systemic pathology.

**10% dva
kolokvija iz**

POGOJI ZA PRISTOP K POSAMEZNEMU PREVERJANJU ZNANJA (IZPITU): Opravljeni seminarji, vaje, kolokviji – 44 klinično-patoloških primerov Opravljen dva kolokvija iz vsebine predavanj OCENJEVANJE: Kolokviji iz vsebine vaj in predavanj- test proste izbire. Ocena kolokvija je pozitivna, če kandidat doseže 55% točk. Če kandidat na dveh kolokvijih iz vsebine predavanj doseže več kot 70% točk se mu ocena poveča za eno oceno. Končni izpit - testi proste izbire Ocene izpita s 50 vprašanji proste izbire so: 26-30 pravih odgovorov 6 31-35 7 36-40 8 41-45 9 46-50 10	vsebine spredavanj 90 % izpit	REQUIREMENTS FOR ACCESS TO INDIVIDUAL KNOWLEDGE CHECKING: Completed coursework, laboratory practice and partial exams – 44 clinically-pathological cases Completed two partial exams from topics of systemic pathology ASSESSMENT: Partial exams-multiple choice tests. The test result is positive when candidate get 55% points. If the candidate get 70% of points in two partial exams covered the topic of lectures, the final exam mark is increased for one grade. Final exam – multiple choice tests. Exam marks with 50 questions of multiple choice are: 26-30 correct answers 6 31-35 correct answers 7 36-40 correct answers 8 41-45 correct answers 9 46-50 correct answers 10
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Reference nosilca / Course coordinator's references:

- GAŠLJEVIĆ, Gorana, BOLTEŽAR, Lučka, NOVAKOVIĆ, Srdjan, ŠETRAJČIČ DRAGOŠ, Vita, JEZERŠEK NOVAKOVIĆ, Barbara, **KLOBOVES-PREVODNIK, Veronika**. CD56-positive diffuse large B-cell lymphoma : comprehensive analysis of clinical, pathological, and molecular characteristics with literature review. *Radiology and oncology*. [Print ed.]. 2023, vol. , no. , str. [1-10]. ISSN 1318-2099. DOI: [10.2478/raon-2023-0016](https://doi.org/10.2478/raon-2023-0016). [COBISS.SI-ID [147497731](https://www.dlib.si/details/URN:NBN:SI:doc-147497731)]
- MICESKA, Simona, ŠKOF, Erik, NOVAKOVIĆ, Srdjan, STEGEL, Vida, JERIČEVIĆ, Anja, GRČAR-KUZMANOV, Biljana, SMRKOLJ, Špela, CVJETIČANIN, Branko, BEBAR, Sonja, GLOBOČNIK KUKOVICA, Marta, **KLOBOVES-PREVODNIK, Veronika**. Cytopathological assessment is an accurate method for identifying immunophenotypic features and BRCA1/2 mutations of high-grade serous carcinoma from ascites. *Cancer cytopathology*. [Print ed.]. 2022, vol. , no. , str. [1-10]. ISSN 1934-662X. DOI: [10.1002/cncy.22664](https://doi.org/10.1002/cncy.22664). [COBISS.SI-ID [131704067](https://www.dlib.si/details/URN:NBN:SI:doc-131704067)]
- KLOBOVES-PREVODNIK, Veronika**, GAŠLJEVIĆ, Gorana. Cytokeratin and CD56 aberrant co-expression in diffuse large B-cell lymphoma, NOS misinterpreted as metastatic neuroendocrine carcinoma by FNAC. *Cytopathology*. [Print ed.]. 2022, vol. , no. , str. [1-4]. ISSN 0956-5507. DOI: [10.1111/cyt.13190](https://doi.org/10.1111/cyt.13190). [COBISS.SI-ID [134515971](https://www.dlib.si/details/URN:NBN:SI:doc-134515971)]
- JESENKO, Tanja, MODIC, Živa, GRAŠIČ-KUHAR, Cvetka, ČEMAŽAR, Maja, MATKOVIČ, Urška, MICESKA, Simona, VARL, Jerneja, KUCHAR, Anamarija, **KLOBOVES-PREVODNIK, Veronika**. Morphological features of breast cancer circulating tumor cells in blood after physical and biological type of isolation. *Radiology and oncology*. [Print ed.]. Sep. 2021, vol. 55, no. 3, str. 292-304, vi, ilustr. ISSN 1318-2099. <https://www.sciendo.com/article/10.2478/raon-2021-0033>, <http://www.dlib.si/details/URN:NBN:SI:doc-M3Q8A6CX>, DOI: [10.2478/raon-2021-0033](https://doi.org/10.2478/raon-2021-0033). [COBISS.SI-ID [75204867](https://www.dlib.si/details/URN:NBN:SI:doc-75204867)]
- KLOBOVES-PREVODNIK, Veronika**, POHAR-MARINŠEK, Živa, ZALAR, Janja, ROZINA, Hermína, KOTNIK, Nika, JERMAN, Tine, VARL, Jerneja, IVANUŠ, Urška. Evaluation of the training program for p16/ Ki-67 dual immunocytochemical staining interpretation for laboratory staff without experience in cervical cytology and immunocytochemistry. *Radiology and oncology*. [Print ed.]. Jun. 2020, vol. 54, no. 2, str. 201-208, viii, ilustr. ISSN 1318-2099. <https://content.sciendo.com/view/journals/raon/54/2/article-p201.xml>, <http://www.dlib.si/details/URN:NBN:SI:doc-REHARMVW>, DOI: [10.2478/raon-2020-0018](https://doi.org/10.2478/raon-2020-0018). [COBISS.SI-ID [3514747](https://www.dlib.si/details/URN:NBN:SI:doc-3514747)]

6. BROŽIČ, Andreja, POHAR-MARINŠEK, Živa, BUČEK, Simon, ČEMAŽAR, Maja, **KLOBOVES-PREVODNIK, Veronika**. Usefulness of Bcl-2 expression and the expression of cytoplasmic immunoglobulin light chains in the differentiation between B-cell lymphoma and reactive lymphocytic proliferations in FNA. *International journal of molecular sciences*. 2019, vol. 20, no. 11, str. [1-12]. ISSN 1422-0067. <https://www.mdpi.com/1422-0067/20/11/2648>, DOI: [10.3390/ijms20112648](https://doi.org/10.3390/ijms20112648). [COBISS.SI-ID [3261307](https://www.dlib.si/details/URN:NBN:SI:DOC-EC3SGK0H)]
7. **KLOBOVES-PREVODNIK, Veronika**, JERMAN, Tine, NOLDE, Nataša, REPŠE-FOKTER, Alenka, JEZERŠEK, Sandra, POHAR-MARINŠEK, Živa, KLOPČIČ, Ulrika, HUTTER-ČELIK, Simona, GORNIK-KRAMBERGER, Kristina, PRIMIC-ŽAKELJ, Maja, IVANUŠ, Urška. Interobserver variability and accuracy of p16/Ki-67 dual immunocytochemical staining on conventional cervical smears. *Diagnostic pathology*. [Online ed.]. 2019, vol. 14, no. 1, str. [1-9]. ISSN 1746-1596. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6533697/pdf/13000_2019_Article_821.pdf, DOI: [10.1186/s13000-019-0821-5](https://doi.org/10.1186/s13000-019-0821-5). [COBISS.SI-ID [3256443](https://www.dlib.si/details/URN:NBN:SI:DOC-EC3SGK0H)]
8. VARL, Jerneja, IVANUŠ, Urška, POHAR-MARINŠEK, Živa, JERMAN, Tine, OŠTRBENK VALENČAK, Anja, POLJAK, Mario, **KLOBOVES-PREVODNIK, Veronika**. Clinical relevance of the borderline results of the Hybrid Capture 2 High-Risk HPV DNA assay with cervical samples collected in Specimen Transport Medium. *Radiology and oncology*. [Print ed.]. Sep. 2019, vol. 53, no. 3, str. 316-322, iv, graf. prikazi, tabele. ISSN 1318-2099. https://content.sciendo.com/view/journals/raon/53/3/article-p316.xml?tab_body=Article, <http://www.dlib.si/details/URN:NBN:SI:DOC-EC3SGK0H>. [COBISS.SI-ID [3359355](https://www.dlib.si/details/URN:NBN:SI:DOC-EC3SGK0H)]