

**UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION**

Predmet:	Patologija II. (sistematična patologija)
Subject Title:	Pathology II (systematic pathology)

Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
Splošna medicina General medicine - EMŠP		4	8

Univerzitetna koda predmeta / University subject code:

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	klin. vaje clin work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
30	45		45		120	8

Nosilec predmeta / Lecturer:

Izr. prof. dr. Veronika Kloboves Prevodnik

Jeziki /

Predavanja / Lecture:

Slovenski/slovene

Languages:

Vaje / Tutorial:

Slovenski/slovene

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

Prerequisites:

Vsebina:

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 / Textbooks:

- JCW Underwood. General and systematic pathology. Fourth ed. Churchill Livingstone 2004
- Robbins and Cotran. Pathologic basis of disease. Seventh ed. Elsevier Saunders 2005
- Ivan Damjanov. Pathology secrets. Second ed. Elsevier Mosby 2005
- Patologija. Izbrana poglavja iz patologije z navodili za vaje. (A Cerar, B Luzar, T Rott, N Zidar) 3. izdaja, 2006
- Rosai and Ackerman's Surgical Pathology. Ninth ed. Mosby 2004

Cilji:

Analiza specifičnih bolezni po organskih sistemih.

Objectives:

Analysis of specific diseases according to organ systems.

Predvideni študijski rezultati:

Intended learning outcomes:

2019/2020

Znanje in razumevanje:

Razumevanje bazičnih principov v različnih pogojih organizma.

Prenesljive/ključne spretnosti in drugi atributi:

Rezultati študija so pomembni predvsem za varno in uspešno izvajanje zdravljenja.

Knowledge and Understanding:

Understanding of differences of basic principles in different settings

Transferable/Key Skills and other attributes:

Results of the study are oriented primarily towards the practising 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 %) /
Weight (in %)

Assessment:

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

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

ŠTUDIJSKE OBVEZNOSTI ŠTUDENTOV:

Obvezna 50 % udeležba na predavanjih

Obvezna priprava predhodnih seminarjev za vaje in prisotnost na vajah z diskusijo klinično-patoloških primerov

POGOJI ZA PRISTOP K POSAMEZNEMU PREVERJANJU ZNANJA:

Opravljene seminarji in vaje – 44 klinično-patoloških primerov

100 %

Type (examination, oral, coursework, project):

Examination – multiple choice questionnaire
(Completed lab work is condition for approach to exam)

ACADEMIC OBLIGATIONS OF STUDENTS:

Obligatory 50% attendance at lectures

Obligatory preparation of preceding coursework assignments for laboratory practice and attendance at laboratory practice with a discussion of clinically-pathological cases

REQUIREMENTS FOR ACCESS TO INDIVIDUAL KNOWLEDGE CHECKING:

Completed coursework and laboratory practice – 44 clinically-pathological cases

Reference nosilca / Lecturer's references:

1. BOLTEŽAR, Lučka, KLOBOVES-PREVODNIK, Veronika, POHAR PERME, Maja, GAŠLJEVIČ, Gorana, JEZERŠEK NOVAKOVIČ, Barbara. Comparison of the algorithms classifying the ABC and GCB subtypes in diffuse large B-cell lymphoma. *Oncology Letters*, ISSN 1792-1074, 2018, vol. 15, str. 6903-6912, doi: [10.3892/ol.2018.8243](https://doi.org/10.3892/ol.2018.8243). [COBISS.SI-ID [2918523](https://www.cobiss.si/id/2918523)], [JCR, SNIP, WoS do 25. 5. 2018: št. citatov (TC): 0, čistih citatov (CI): 0, Scopus do 21. 4. 2018: št. citatov (TC): 0, čistih citatov (CI): 0]

2. IVANUŠ, Urška, JERMAN, Tine, REPŠE-FOKTER, Alenka, TAKAČ, Iztok, KLOBOVES-PREVODNIK, Veronika, MARČEC, Mateja, SALOBIR GAJŠEK, Uršula, PAKIŽ, Maja, KOREN, Jakob, HUTTER-ČELIK, Simona, GORNIK-KRAMBERGER, Kristina, KLOPČIČ, Ulrika, KAVALAR, Rajko, ŠRAMEK ZATLER, Simona, GRČAR-KUZMANOV, Biljana, FLORJANČIČ, Mojca, NOLDE, Nataša, NOVAKOVIČ, Srdjan, POLJAK, Mario, PRIMIC-ŽAKELJ, Maja. Randomised trial of HPV self-sampling among non-attenders in the Slovenian cervical screening programme ZORA : comparing three different screening approaches. *Radiology and oncology*, ISSN 1581-3207. [Online ed.], dec. 2018, vol. 52, no. 4, str. 399-412, ilustr. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6287183/pdf/raon-52-399.pdf>, doi: [10.2478/raon-2018-0036](https://doi.org/10.2478/raon-2018-0036). [COBISS.SI-ID [6576959](https://www.cobiss.si/id/6576959)], [JCR, SNIP]

3. KLOPČIČ, Ulrika, LAVRENČAK, Jaka, GAŠLJEVIČ, Gorana, BRAČKO, Matej, POHAR-MARINŠEK, Živa, KLOBOVES-PREVODNIK, Veronika. Grading of follicular lymphoma in cytological samples. *Cytopathology*, ISSN 0956-5507. [Print ed.], 2016, vol. 27, iss. 6, str. 390-397, doi: [10.1111/cyt.12319](https://doi.org/10.1111/cyt.12319). [COBISS.SI-ID [2251387](https://www.cobiss.si/id/2251387)], [JCR, SNIP, WoS do 13. 1. 2017: št. citatov (TC): 0, čistih citatov (CI): 0, Scopus do 27. 2. 2016: št. citatov (TC): 0, čistih citatov (CI): 0]

4. PREVC, Ajda, BEDINA ZAVEC, Apolonija, ČEMAŽAR, Maja, KLOBOVES-PREVODNIK, Veronika, SAVARIN, Monika, TODOROVIČ, Vesna, STROJAN, Primož, SERŠA, Gregor. Bystander effect induced by electroporation is possibly mediated by microvesicles and dependent on pulse amplitude, repetition frequency and cell type. *The journal of*

membrane biology, ISSN 0022-2631, Oct. 2016, vol. 249, iss. 5, str. 703-711, doi: [10.1007/s00232-016-9915-0](https://doi.org/10.1007/s00232-016-9915-0). [COBISS.SI-ID [2389627](#)], [JCR, SNIP, WoS do 4. 11. 2016: št. citatov (TC): 0, čistih citatov (CI): 0, Scopus do 30. 11. 2018: št. citatov (TC): 2, čistih citatov (CI): 2]

5. MARKELC, Boštjan, SKVARČA, Eva, JESENKO, Tanja, KLOBOVES-PREVODNIK, Veronika, CÖR, Andrej, SERŠA, Gregor, ČEMAŽAR, Maja. Inhibitor of endocytosis impairs gene electrotransfer to mouse muscle in vivo. V: *Bioelectrics*, (Bioelectrochemistry (Amsterdam), ISSN 1567-5394, vol. 103). Amsterdam: Elsevier. 2015, str. 111-119, ilustr., doi: [10.1016/j.bioelechem.2014.08.020](https://doi.org/10.1016/j.bioelechem.2014.08.020). [COBISS.SI-ID [1852795](#)], [JCR, SNIP, WoS do 15. 10. 2018: št. citatov (TC): 14, čistih citatov (CI): 12, Scopus do 18. 10. 2018: št. citatov (TC): 15, čistih citatov (CI): 12] tipologija 1.08 -> 1.01

6. GAŠLJEVIĆ, Gorana, GRČAR-KUZMANOV, Biljana, GROŠEL, Alenka, SEVER, Matjaž, GAZIĆ, Barbara, KLOBOVES-PREVODNIK, Veronika. Hodgkin's lymphoma is a rare form of clonal haematological non-mast cell disease in systemic mastocytosis. *Diagnostic pathology*, ISSN 1746-1596. [Online ed.], 2015, vol. 10, no. 1. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4367971/>, doi: [10.1186/s13000-015-0235-y](https://doi.org/10.1186/s13000-015-0235-y). [COBISS.SI-ID [2033531](#)], [JCR, SNIP, WoS do 26. 2. 2017: št. citatov (TC): 1, čistih citatov (CI): 1, Scopus do 1. 9. 2015: št. citatov (TC): 1, čistih citatov (CI): 1]

7. BROŽIČ, Andreja, POHAR-MARINŠEK, Živa, NOVAKOVIĆ, Srdjan, KLOBOVES-PREVODNIK, Veronika. Inconclusive flow cytometric surface light chain results : can cytoplasmic light chains, Bcl-2 expression and PCR clonality analysis improve accuracy of cytological diagnoses in B-cell lymphomas. *Diagnostic pathology*, ISSN 1746-1596. [Online ed.], 2015, vol. 10, št. 191. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4612408/pdf/13000_2015_Article_427.pdf, doi: [10.1186/s13000-015-0427-5](https://doi.org/10.1186/s13000-015-0427-5). [COBISS.SI-ID [2232955](#)], [JCR, SNIP, WoS do 22. 1. 2016: št. citatov (TC): 0, čistih citatov (CI): 0, Scopus do 24. 1. 2016: št. citatov (TC): 0, čistih citatov (CI): 0]

8. GAŠLJEVIĆ, Gorana, KLOBOVES-PREVODNIK, Veronika, GAZIĆ, Barbara, VOVK, Marjeta. Coexistent hairy cell leukaemia and hepatosplenic t-cell lymphoma : a case report. *Diagnostic pathology*, ISSN 1746-1596. [Online ed.], 2014, vol. 9, no. 58. <http://www.diagnosticpathology.org/content/pdf/1746-1596-9-58.pdf>, doi: [10.1186/1746-1596-9-58](https://doi.org/10.1186/1746-1596-9-58). [COBISS.SI-ID [1883003](#)], [JCR, SNIP, WoS do 27. 8. 2018: št. citatov (TC): 2, čistih citatov (CI): 2, Scopus do 27. 12. 2018: št. citatov (TC): 4, čistih citatov (CI): 4]

9. ČEMAŽAR, Maja, JESENKO, Tanja, KOSJEK, Tina, MARKELC, Boštjan, SERŠA, Gregor, KLOBOVES-PREVODNIK, Veronika, STROJAN, Primož. Schedule-dependent interaction between vinblastine and irradiation in experimental sarcoma. *Strahlentherapie und Onkologie*, ISSN 0179-7158, Jun. 2014, vol. 190, iss. 7, str. 661-666, doi: [10.1007/s00066-014-0645-x](https://doi.org/10.1007/s00066-014-0645-x). [COBISS.SI-ID [1730427](#)], [JCR, SNIP, WoS do 7. 7. 2014: št. citatov (TC): 0, čistih citatov (CI): 0, Scopus do 12. 7. 2014: št. citatov (TC): 0, čistih citatov (CI): 0]

10. URBANČIČ, Mojca, KLOBOVES-PREVODNIK, Veronika, PETROVIČ, Danijel, GLOBOČNIK PETROVIČ, Mojca. A flow cytometric analysis of vitreous inflammatory cells in patients with proliferative diabetic retinopathy. *BioMed research international*, ISSN 2314-6141, 2013, vol. 2013. <http://www.hindawi.com/journals/bmri/2013/251528/>, doi: [10.1155/2013/251528](https://doi.org/10.1155/2013/251528). [COBISS.SI-ID [30928089](#)], [JCR, SNIP, WoS do 15. 10. 2018: št. citatov (TC): 9, čistih citatov (CI): 9, Scopus do 26. 12. 2018: št. citatov (TC): 9, čistih citatov (CI): 9]

11. KLOBOVES-PREVODNIK, Veronika, LAVRENČAK, Jaka, HORVAT, Mateja, JEZERŠEK NOVAKOVIĆ, Barbara. The predictive significance of CD20 expression in B-cell lymphomas. *BMC cancer*, ISSN 1471-2407, 2011, vol. 6, str. 33 [1-6], doi: [10.1186/1746-1596-6-33](https://doi.org/10.1186/1746-1596-6-33). [COBISS.SI-ID [1085563](#)], [JCR, SNIP, WoS do 21. 10. 2018: št. citatov (TC): 19, čistih citatov (CI): 18, Scopus do 24. 10. 2018: št. citatov (TC): 21, čistih citatov (CI): 20]

12. ANSHU, KLOBOVES-PREVODNIK, Veronika, POHAR-MARINŠEK, Živa, et al. Survey of medical training in cytopathology carried out by the journal Cytopathology. *Cytopathology*, ISSN 0956-5507. [Print ed.], 2010, vol. 21, issue 3, str. 147-156, ilustr. <http://onlinelibrary.wiley.com/doi/10.1111/j.1365-2303.2010.00761.x/pdf>, doi: [10.1111/j.1365-2303.2010.00761.x](https://doi.org/10.1111/j.1365-2303.2010.00761.x). [COBISS.SI-ID [516157977](#)], [JCR, SNIP, WoS do 25. 2. 2018: št. citatov (TC): 15, čistih citatov (CI): 15, Scopus do 23. 2. 2018: št. citatov (TC): 18, čistih citatov (CI): 18]

13. HORVAT, Mateja, KLOBOVES-PREVODNIK, Veronika, LAVRENČAK, Jaka, JEZERŠEK NOVAKOVIĆ, Barbara. Predictive significance of the cut-off value of CD20 expression in patients with B-cell lymphoma. *Oncology reports*, ISSN 1021-335X, 2010, vol. 24, no. 4, str. 1101-1107. [COBISS.SI-ID [988283](#)], [JCR, SNIP, WoS do 21. 10. 2018: št. citatov (TC): 11,

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čistih citatov (CI): 10, [Scopus](#) do 23. 11. 2018: št. citatov (TC): 12, čistih citatov (CI): 11]