

| UČNI NAČRT PREDMETA / COURSE SYLLABUS | | | | | | | | |
|---|----------------------------------|--|----|--|--|--|---|-------------|
| Ime predmeta: | | Klinična imunologija | | | | | | |
| Course title: | | Clinical Immunology | | | | | | |
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| Študijski program in stopnja Study programme and cycle | | Študijska smer Study option | | Letnik Year of study | | Semester Semester | | |
| Biomedicinska tehnologija/3. stopnja | | | | 2 | | 3 ali 4 | | |
| Biomedical Technology/3rd Degree | | | | | | | | |
| Vrsta predmeta (obvezni ali izbirni) / Course type (compulsory or elective) | | | | Izbirni | | | | |
| | | | | Elective | | | | |
| 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 |
| 15 | 20 | 10 | | | | | 135 | 6 |
| | | AV | LV | RV | | | | |
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| Nosilec predmeta / Course coordinator: | | Prof. dr. Ivan Krajnc | | | | | | |
| Jeziki /Languages: | | Predavanja / Lectures: | | Slovenščina/Slovene | | | | |
| | | Vaje / Tutorial: | | Slovenščina/Slovene | | | | |
| Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti: | | | | Prerequisites for enrolling in the course or for performing study obligations: | | | | |
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| Vsebina (kratek pregled učnega načrta): | | | | Content (syllabus outline): | | | | |
| <p>Vsebina študijskega predmeta klinična imunologija zajema proučevanje novih metodologij za diagnostiko, spremljanje in presojanje zdravljenja sistemskih avtoimunskih bolezni in drugih vnetnih bolezni z avtoimuno patogenezo.</p> <p>Študij bo osredotočen na proučevanje celične (celični markerji, mediatorji celičnega avtoimunskega odgovora) in humoralne imunosti (protitelesa pomembna za diagnostiko, spremljanje in zdravljenje avtoimunske pogojenih bolezni).</p> <p>Laboratorijska dognanja bodo vrednotena skladno s kliniko. Študij bo predstavljal povezavo med kliničnim delom, kliničnim znanstvenim raziskovanjem ter novimi spoznanji laboratorijske imunologije.</p> <p>Poudarek bo na naslednjih bolezenskih entitetah: sistemski lupus eritematosus</p> | | | | <p>The study programme will be based on lectures covering new methods in diagnostics, monitoring and management of systemic autoimmune diseases and other inflammatory diseases with autoimmune pathogenesis.</p> <p>It will include studies of cellular (the role of various lymphoid subsets and antigen presenting cells in autoimmunity) and humoral immunity (auto -antibodies as markers of disease activity, useful in diagnosis and management of autoimmune diseases).</p> <p>Laboratory studies will be evaluated in the clinical context. Topics that will be discussed represent link between patient care, clinical research and new developments in laboratory immunology, with focus on:</p> <p>systemic lupus erythematosus</p> | | | | |

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| mešana bolezen vezivnega tkiva Sjogrenov sindrom dermatomiozitis/polimioziits sistemska skleroza sistemski vaskulitisi revmatoidni artritis spondiloartritis | mixed connective tissue disease Sjögren's syndrome dermatomyositis/polymyositis systemic sclerosis systemic vasculitis rheumatoid arthritis spondyloarthritis | |
| Temeljni literatura in viri / Reading materials: | | |
| Edward D, Harris MD, Ralph C, Budd M, Genovese G, Firestein J, Sargent C, Sledge. Kelley's Textbook Of Rheumatology . W.B. Saunders Company (2004), ISBN: 0721601413 Roitt I., Brostoff J., Male D. Immunology. Mosby; 6th edition (2001), ISBN: 0723431892 Janeway C.A. Jr., Travers P., Walport M., Capra J.D. Immunobiology - the immune system in health and disease. Garland Publishing; 5th edition (2001), ISBN: 081533642X Vozelj M. Temeljna imunologija. DZS (2001) Isenberg DA, Maddison PJ, Woo P, Glass D. Oxford Textbook of Rheumatology. Oxford University Press; 3rd Bk&CD edition (2004), ISBN: 0198509480 McCarty DJ, Koopman WJ. Arthritis and Allied Conditions: A Textbook of Rheumatology. Williams & Wilkins; 12th edition (January 1, 1993) ISBN: 0812114302 | | |
| Cilji in kompetence: | Objectives and competences: | |
| Cilj študija klinične imunologije je prenesti spoznanja laboratorijske diagnostike avtoimunskih bolezni v klinično prakso ter uporaba omenjenih spoznanj pri načrtovanju diagnostike in zdravljenja avtoimunskih bolezni. Poseben poudarek bo namenjen spremljanju aktivnosti bolezni v neposredni korelaciji s kliničnimi znaki in posameznimi laboratorijskimi podatki. | The main objective of the study programme is to implement recent advances in basic (laboratory) immunology into clinical praxis and to make use of laboratory studies in the diagnosis and management of autoimmune diseases. Special emphasis will be on new markers of disease activity and their correlation with clinical signs, which will provide new insights and diagnostic valuable options for monitoring disease activity in patients with autoimmune diseases. | |
| Predvideni študijski rezultati: | Intended learning outcomes: | |
| Znanje in razumevanje: Osvojitev in sposobnost povezovanja novih znanj s področja celične in humoralne imunosti, ki jih bo možno neposredno aplicirati v proces zdravljenja in spremljanja avtoimunskih bolezni. | Knowledge and understanding: Upon completion of this program participants should be able to identify and connect current problems and issues in clinical immunology and to evaluate clinical and laboratory information on patients in the diagnosis and management of autoimmune diseases | |
| Prenosljive/ključne spretnosti in drugi atributi: Odvisno od raziskovalnega segmenta in projekta | Transferable/key competences and other abilities: depends on research project | |
| Metode poučevanja in učenja: | Learning and teaching methods: | |
| Predavanja Seminarji Vaje Samostojno delo | Lectures Seminars Tutorial (labor. work) Individual work | |
| Načini ocenjevanja: | Delež (v %) / Share (in %) | Assessment methods: |
| Način (pisni izpit, ustno izpraševanje, naloge, projekt) | | Method (written or oral exam, coursework, project): |
| Seminarska naloga | 100 % | Seminar work |

Reference nosilca / Course coordinator's references:

"PAL, Marjetka, FERK, Polonca, LESKOŠEK, Branimir, KRAJNC, Ivan, PAJNTAR, Marjan. Prevalence of isolated systolic hypertension (ISH) in Slovene hypertensive patients: insights from the "Quality of Healthcare in Slovenia" project. Wiener Klinische Wochenschrift, ISSN 0043-5325, 2015, vol. 127, suppl. 5, str. S247--S254. <https://link.springer.com/article/10.1007%2Fs00508-015-0765-z>, doi: 10.1007/s00508-015-0765-z. [COBISS.SI-ID 512479800], [JCR, SNIP, WoS do 24. 1. 2016: št. citatov (TC): 0, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0, Scopus do 6. 2. 2016: št. citatov (TC): 0, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0] kategorija: 1A3 (Z); uvrstitev: SCI, Scopus, MBP; tip dela je verificiral OSICM točke: 13.66, št. avtorjev: 5"

"KRAJNC, Igor, SINKOVIČ, Andreja, NAJI, Franjo, KRAJNC, Ivan. Non-invasive measuring of the acceleration of contraction of the left ventricle with the Doppler echocardiography. Wiener Klinische Wochenschrift, ISSN 0043-5325, 2015, jg. 127, suppl. 5, str. S288-S294, ilustr. <http://rd.springer.com/article/10.1007/s00508-015-0916-2>, doi: 10.1007/s00508-015-0916-2. [COBISS.SI-ID 5592895], [JCR, SNIP, WoS do 24. 1. 2016: št. citatov (TC): 0, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0, Scopus do 30. 11. 2016: št. citatov (TC): 0, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0] kategorija: 1A3 (Z); uvrstitev: SCI, Scopus, MBP; tip dela je verificiral OSICM točke: 17.08, št. avtorjev: 4"

"KRAJNC, Mitja, PEČOVNIK-BALON, Breda, KRAJNC, Ivan. Non-traditional risk factors for coronary calcification and its progression in patients with type 2 diabetes : the impact of postprandial glycemia and fetuin-A. JIMR on-line, ISSN 1473-2300, 2019, vol. 47, iss. 2, str. 846-858, ilustr. <https://journals.sagepub.com/doi/pdf/10.1177/0300060518814080>, doi: 10.1177/0300060518814080. [COBISS.SI-ID 6578239], [JCR, SNIP, WoS do 2. 3. 2019: št. citatov (TC): 0, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0, Scopus do 23. 2. 2019: št. citatov (TC): 0, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0] kategorija: 1A4 (Z); uvrstitev: SCI, Scopus, MBP; tip dela je verificiral OSICM točke: 18.97, št. avtorjev: 3"