



UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION

Predmet:	Pedriatrija - delo ob bolniku
Subject Title:	Paediatrics – work with patients

Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
Splošna medicina General medicine - EMŠP		6	11 in 12

Univerzitetna koda predmeta / University subject code:

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	klin. vaje clin work	Praktikum	Samost. delo Individ. work	ECTS
				150	60	7

Nosilec predmeta / Lecturer:

red. prof. dr. Nataša Marčun Varda (nosilka)
izr. prof. dr. Jernej Dolinšek (sonosilec)

Jeziki /

Predavanja / Lecture:

Slovenski/slovene

Languages:

Vaje / Tutorial:

Slovenski/slovene

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

Prerequisites:

Izpit iz pediatrije/ 5. letnik

Pediatric exam/ 5th year of study

Vsebina:

Content (Syllabus outline):

V sklopu Pediatrije-delo ob bolniku mora študent obvladati :

- Anamnezo: družinska, perinatalna anamneza, dosedanje bolezni, sedanja bolezen, socialna anamneza.
- Oceno rasti in razvoja otroka.
- Osnovne metode klinične preiskave: inspekcija, palpacija, perkusija, avskultacija.
- Seznaniti naj se z diagnostičnimi metodami in razume njih pomen: pregled krvne slike, pregled urinskega sedimenta, venepunkcija, arterijska punkcija, alergijski testi, tolerančni testi, hitri diagnostični testi, obremenitveni testi, EKG, UZ, RTG pregled, CT pregled, MRI, scintigrafske preiskave, endoskopija, pljučni funkcijski testi, bronhoskopija, ledvična ali jetrna biopsija, plevralna punkcija, punkcija kostnega mozga.
- Obvlada naj terapevtske veščine: dajanje injekcij, nastavljanje i.v. katetrov, vstavljanje nazogastrične sonde, subkutane in intramuskularne injekcije.
- Predpisovanje ustrezne diete.
- Priporočila bolnikom o življenjskem stilu.
- Komuniciranje z bolniki in svojci.

Zahteva se, da obvlada teoretična znanja, ki jih je pridobil v okviru predmeta Pediatrija s klinično genetiko.

Within the programme of Pediatrics-working with patients student must be fully acquainted with:

- Anamnesis: family history, perinatal history, history of past and present disease, social anamnesis.
- Assessment of child's growth and development
- Basic methods of clinical examination.
- Inspection, palpation, percussion, auscultation.
- He or she must know and understand diagnostic methods: complete blood count, examination of urine sediment, venipuncture, arterial puncture, allergy tests, tolerance tests, quick diagnostic tests, exercise tests, ECG, ultrasound, x-ray examination, CT, MRI, nuclear-scintigraphic examinations, endoscopy, pulmonary function tests, bronchoscopy, renal or liver biopsy, pleural puncture, bone marrow puncture.
- He or she must perform therapeutic actions: application of IV catheters, nasogastric intubation, subcutaneous and intramuscular injections.
- Prescribing appropriate dietary measures.
- Recommendations regarding life style.
- Communication.

It is required that student has theoretical knowledge, which he or she acquired during the study of Pediatrics with clinical genetics.

Temeljni literatura in viri / Textbooks:

- Mardešič D., Pediatrija, Školska knjiga, Zagreb, 2003.
- Kržišnik C., Pediatrija, Ljubljana, 2014
- Berhman R.E, Kliegman R. Nelson: **Essentials of Pediatrics**, 8th edition. Saunders, Philadelphia 2018.
- Kliegman R., St. Geme J., Textbook of Pediatrics 21th edition, W.B. Saunders Company, Philadelphia, London, Toronto, Montreal, Sydney, Tokyo 2019.
- Srečanja pediatrov v Mariboru z mednarodno udeležbo, SB (UKC) Maribor, Maribor, od leta 1995 dalje
- Izbrana poglavja iz pediatrije, Medicinska fakultete Univerze v Ljubljani, od leta 1991 dalje

Cilji:

Cilj tega predmeta je pripraviti študente na samostojno delo z bolnimi otroki.

Objectives:

The objective of this course is to prepare the students to work independently with pediatric patients.

Predvideni študijski rezultati:

Intended learning outcomes:

Znanje in razumevanje:

Po zaključku tega predmeta bo študent sposoben samostojno pregledati bolnega otroka, znal bo vzeti anamnezo, ovrednotiti diagnostične metode, predpisati ustrezno terapijo in obvladal bo komunikacijo z bolnim otrokom in svojci.

Prenesljive/ključne spretnosti in drugi atributi:

Študent bo obvladal praktična opravila, ki so potrebna pri delu z bolnimi otroki.

Knowledge and understanding:

After completion of the course, student will be able to examine ill child, take history, evaluate diagnostic methods, prescribe adequate therapy and will be able to communicate with ill child and his/her relatives competently.

Transferable/key skills and other attributes:

Student will acquire practical skills needed for work with children.

Metode poučevanja in učenja:

Learning and teaching methods:

Delo na simulatorju v simulacijskem centru in individualno delo ob pacientu v kliničnem okolju.

Work at the simulator in the simulation centre and individual work with patient in clinical surroundings.

Načini ocenjevanja:

Delež (v %) /
Weight (in %)

Assessment:

Zaključni izpit iz Pediatrije je sestavljen iz:

1. izpit iz praktičnih znanj s pregledom bolnika
2. izpit iz teoretičnih znanj

ŠTUDIJSKE OBVEZNOSTI ŠTUDENTOV:

POGOJI ZA PRISTOP K POSAMEZNEMU

PREVERJANJU ZNANJA:

Opravljen praktikum vaj je pogoj za pristop k izpitu.

Opravljen izpit iz praktičnih znanj je pogoj za pristop k izpitu iz teoretičnih znanj.

Final examination in Pediatrics from:

1. theoretical knowledge and
2. Examination in theoretical knowledge with the patient examination

ACADEMIC OBLIGATIONS OF STUDENTS

REQUIREMENTS FOR ACCESS TO INDIVIDUAL KNOWLEDGE CHECKING:

Completed practical training of laboratory practice is a requirement for access to the exam. Completed exam in practical knowledge is a requirement for access to the exam in theoretical knowledge.

Reference nosilca / Lecturer's references:

NATAŠA MARČUN VARDAR:

1. MARČUN-VARDA, Nataša, MOČNIK, Mirjam. Pulse wave velocity, central haemodynamic parameters, and markers of kidney function in children. *Kidney & blood pressure research*, ISSN 1423-0143. [Online ed.], 2022, vol. 47, no. 1, str. 43-49. <https://www.karger.com/Article/FullText/519340>, <https://doi.org/10.1159/000519340>, doi: 10.1159/000519340. [COBISS.SI-ID 81633795].

2. MOČNIK, Mirjam, MARČUN-VARDA, Nataša. Lipid biomarkers and atherosclerosis - old and new in cardiovascular risk in childhood. *International journal of molecular sciences*, ISSN 1422-0067, 2023, vol. 24, issue 3, [article no.] 2237,

- str. [1]-17, ilustr. <https://www.mdpi.com/1422-0067/24/3/2237>, <https://doi.org/10.3390/ijms24032237>, doi: [10.3390/ijms24032237](https://doi.org/10.3390/ijms24032237). [COBISS.SI-ID [139222787](https://www.cobiss.si/en/record/139222787)].
3. HERTIŠ PETEK, Tjaša, PETEK, Tadej, MOČNIK, Mirjam, MARČUN-VARDA, Nataša. Systemic inflammation, oxidative stress and cardiovascular health in children and adolescents : a systematic review. *Antioxidants*, ISSN 2076-3921, 2022, vol. 11, issue 5, str. [1]-43, ilustr. <https://www.mdpi.com/2076-3921/11/5/894>, <https://doi.org/10.3390/antiox11050894>, doi: [10.3390/antiox11050894](https://doi.org/10.3390/antiox11050894). [COBISS.SI-ID [106260483](https://www.cobiss.si/en/record/106260483)].
4. RADULOVIC, Živa, POLAK ZUPAN, Zarja, TOMAZINI, Aljoša, MARČUN-VARDA, Nataša. Vitamin D in pediatric patients with obesity and arterial hypertension. *Scientific reports*, ISSN 2045-2322, 2021, [Vol.] 1, str. 1-8. <https://www.nature.com/articles/s41598-021-98993-8>, <https://doi.org/10.1038/s41598-021-98993-8>, doi: [10.1038/s41598-021-98993-8](https://doi.org/10.1038/s41598-021-98993-8). [COBISS.SI-ID [79144963](https://www.cobiss.si/en/record/79144963)].
5. GOLOB JANCIC, Sonja, MOČNIK, Mirjam, ŠVIGELJ, Marjetka, MARČUN-VARDA, Nataša. Body composition and cardiovascular risk factors in a paediatric population. *Children*, ISSN 2227-9067, May 2022, vol. 9, issue 5, str. [1]-11, ilustr. <https://www.mdpi.com/2227-9067/9/5/603>, <https://doi.org/10.3390/children9050603>, doi: [10.3390/children9050603](https://doi.org/10.3390/children9050603). [COBISS.SI-ID [105834755](https://www.cobiss.si/en/record/105834755)].

JERNEJ DOLINŠEK:

1. RIŽNIK, Petra, DE LEO, Luigina, DOLINŠEK, Jasmina, GYIMESI, Judit, KLEMENAK, Martina, KOLETZKO, Berthold, KOLETZKO, Sybille, KORPONAY-SZABO, Ilma, KRENČNIK, Tomaž, NOT, Tarcisio, PALČEVSKI, Goran, SBLATTERO, Daniele, VOGRIČIČ, Matej, WERKSTETTER, Katharina, DOLINŠEK, Jernej. Diagnostic delays in children with coeliac disease in the Central European Region. *Journal of pediatric gastroenterology and nutrition*, ISSN 1536-4801. [Online ed.], 2019, vol. 69, iss. 4, str. 443-448, ilustr. https://journals.lww.com/jpgn/Abstract/2019/10000/Diagnostic_Delays_in_Children_With_Celiac_Disease.11.aspx, doi: [10.1097/MPG.0000000000002424](https://doi.org/10.1097/MPG.0000000000002424). [COBISS.SI-ID [6774335](https://www.cobiss.si/en/record/6774335)].
2. RIŽNIK, Petra, DE LEO, Luigina, DOLINŠEK, Jasmina, GYIMESI, Judit, KLEMENAK, Martina, KOLETZKO, Berthold, KOLETZKO, Sybille, KORPONAY-SZABO, Ilma, KRENČNIK, Tomaž, NOT, Tarcisio, PALČEVSKI, Goran, SBLATTERO, Daniele, WERKSTETTER, Katharina, DOLINŠEK, Jernej. Clinical presentation in children with coeliac disease in Central Europe. *Journal of pediatric gastroenterology and nutrition*, ISSN 1536-4801. [Online ed.], 2021, vol. 72, no. 4, str. 546-551, ilustr. https://journals.lww.com/jpgn/Abstract/9000/Clinical_Presentation_in_Children_with_Celiac.95823.aspx, doi: [10.1097/MPG.0000000000003015](https://doi.org/10.1097/MPG.0000000000003015). [COBISS.SI-ID [43991299](https://www.cobiss.si/en/record/43991299)].
3. RIŽNIK, Petra, DE LEO, Luigina, DOLINŠEK, Jasmina, GYIMESI, Judit, KLEMENAK, Martina, KOLETZKO, Berthold, KOLETZKO, Sybille, KOLTAI, Tunde, KORPONAY-SZABO, Ilma, KRENČNIK, Tomaž, MILINOVIĆ, Marina, NOT, Tarcisio, PALČEVSKI, Goran, SBLATTERO, Daniele, WERKSTETTER, Katharina, DOLINŠEK, Jernej. The knowledge about celiac disease among healthcare professionals and patients in Central Europe. *Journal of pediatric gastroenterology and nutrition*, ISSN 1536-4801. [Online ed.], 2021, vol. 72, issue 4, str. 552-557. https://journals.lww.com/jpgn/Abstract/9000/The_Knowledge_about_Celiac_Disease_among.95814.aspx, doi: [10.1097/MPG.0000000000003019](https://doi.org/10.1097/MPG.0000000000003019). [COBISS.SI-ID [44009987](https://www.cobiss.si/en/record/44009987)].
4. GREGORIČ KUMPERŠČAK, Hojka, KLARER REBEC, Živa, SOBOČAN, Sanja, T. FRAS, Valerija, DOLINŠEK, Jernej. Prevalence of celiac disease is not increased in ADHD sample. *Journal of attention disorders*, ISSN 1557-1246, May 2020, vol. 24, issue 7, str. 1085-1089. <http://journals.sagepub.com/doi/pdf/10.1177/1087054716666953>, <https://doi.org/10.1177/1087054716666953>, doi: [10.1177/1087054716666953](https://doi.org/10.1177/1087054716666953). [COBISS.SI-ID [5790783](https://www.cobiss.si/en/record/5790783)]. DOLINŠEK,
5. WESSELS, Margreet, AURICCHIO, Renata, DOLINŠEK, Jernej, DONAT, Ester, GILLET, Peter, MÅRILD, Karl, MEIJER, Caroline, POPP, Alina, MEARIN MANRIQUE, Maria Luisa. Review on pediatric coeliac disease from a clinical perspective. *European journal of pediatrics*, ISSN 1432-1076, 2022, [v tisku][str. 1-11], ilustr. <https://link.springer.com/article/10.1007/s00431-022-04379-x>, <https://doi.org/10.1007/s00431-022-04379-x>, doi: [10.1007/s00431-022-04379-x](https://doi.org/10.1007/s00431-022-04379-x). [COBISS.SI-ID [95366403](https://www.cobiss.si/en/record/95366403)].