



Univerza v Mariboru

Medicinska fakulteta

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Ime predmeta:	Izbrana poglavja iz pediatrije							
Course title:	Chosen Chapters in Paediatrics							
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 AV LV RV					135	6
Nosilec predmeta / Course coordinator:				Prof. dr. Nataša Marčun Varda				
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:				
Vsebina (kratek pregled učnega načrta):				Content (syllabus outline):				
Študentje se bodo naučili 2-dimenzionalno (2D) in spoznali 3-dimenzionalno (3D) ultrazvočno diagnostiko v pediatrični nefrologiji (vključno z uporabo v hipertenzijologiji). Obvladali bodo praktična načela ultrazvočnega diagnosticiranja pri okužbah sečil (ultrazvočni mikcijski cistogram), ledvičnih malformacijah in pri cističnih ledvičnih boleznih. Naučili se bodo tudi ključnih veščin v ultrazvočni diagnostiki sečil. Seznanili se bodo z nekaterimi novimi diagnostičnimi in terapevtskimi možnostmi na področju pediatrične nefrologije in pediatrije, vključno z biološkimi zdravili.				Students will learn of 2-dimensional (2D) and recognize 3-dimensional (3D) ultrasound diagnostics in paediatric nephrology (hypertensiology included). In addition they are going to learn the practical principles of ultrasound imaging in urinary tract infections (ultrasound voiding cystogram), renal malformations and renal cystic disease. In addition, students will get the key skills in renal paediatric ultrasound. Finally, they will become acquainted with some new diagnostic and therapeutic possibilities in the field of paediatric nephrology and paediatrics, including biological medications.				
Temeljni literatura in viri / Reading materials:								
– Riccabona M, ed. Pediatric Urogenital Radiology. 2nd ed. Cham: Springer International Publishing; 2018. p. 1–785.								

<ul style="list-style-type: none"> – Kliegman RM, et al, eds. Nelson Textbook of Pediatrics. 20th ed. Philadelphia: Elsevier; 2016. p. 1–3464. – Webb N, Postlethwaite R, eds. Clinical Paediatric Nephrology. 3rd ed. Oxford: Oxford University Press; 2003. p. 1–520. – Kurjak A, Kupesic S, eds. Clinical Application of 3D Sonography. New York: The Parthenon Publishing Group; 2000. p. 1–261. – Riccabona M. Editorial review: pediatric 3 D ultrasound. J Ultrason. 2014; 14: 5–20. – Burg FD, et al, eds. Current Pediatric Therapy. 18th ed. Philadelphia: Saunders Elsevier; 2006. p. 1–1408. – Paediatric Formulary Committee, ed. BNF for Children 2018–2019. 1st ed. London: Pharmaceutical Press; 2018. p. 1–1120. – Fotter R, et al, eds. Pediatric Uroradiology. 2nd ed. Heidelberg: Springer – Verlag; 2008. p. 1–537. – Geary DF, Schaefer F, eds. Comprehensive Pediatric Nephrology. Philadelphia: Mosby; 2008. p. 1–1040. – Rees L, et al, eds. Paeditric Nephrology. 3rd ed. Oxford: Oxford University Press; 2019. p. 1–736. 		
Cilji in kompetence:		Objectives and competences:
<p>Razumevanje osnovnih in praktičnih načel 2D - in 3D - ultrazvočne diagnostike v pediatrični nefrologiji. Obvladanje ključnih veščin v ultrazvočni diagnostiki sečil.</p> <p>Spoznavanje novih trenutno aktualnih diagnostičnih in terapevtskih možnosti v pediatrični nefrologiji in pediatriji.</p>		<p>Understanding of basic and practical principles of 2D- and 3D- ultrasound diagnostics in paediatric nephrology.</p> <p>Learning the key skills in paediatric renal ultrasound.</p> <p>Comprehension of some new diagnostic and therapeutic possibilities in paediatric nephrology and paediatrics.</p>
Predvideni študijski rezultati:		Intended learning outcomes:
Znanje in razumevanje:		Knowledge and understanding:
<p>Znanje in razumevanje ultrazvočne diagnostike v pediatrični nefrologiji kot tudi novih diagnostičnih in terapevtskih možnosti v pediatriji.</p>		<p>Knowledge and understanding of ultrasound diagnostics in paediatric nephrology as well as new diagnostic and therapeutic possibilities in paediatrics.</p>
Prenosljive/ključne spretnosti in drugi atributi:		Transferable/key competences and other abilities:
<p>Ključne veščine v ultrazvočni diagnostiki sečil.</p>		<p>Key skills in paediatric renal ultrasound.</p>
Metode poučevanja in učenja:		Learning and teaching methods:
<p>Predavanja Seminarji Vaje - praktično delo z UZ Samostojno delo</p>		<p>Lectures Seminars Tutorial - US imaging Individual work</p>
Načini ocenjevanja:	Delež (v %) / Share (in %)	Assessment methods:
Način (pisni izpit, ustno izpraševanje, naloge, projekt)		Method (written or oral exam, coursework, project):
Ustno izpraševanje	40 %	Oral examination
Seminarska naloga	30 %	Coursework
Praktični izpit	30 %	Practical examination
Reference nosilca / Course coordinator's references:		
<p>PETEK, Tadej, HERTIŠ PETEK, Tjaša, MARČUN-VARDA, Nataša. Health-related quality of life in paediatric arterial hypertension : a cross-sectional study. BMC pediatrics, ISSN 1471-2431, 2018, vol. 18, str. [1]-9.</p>		

<https://bmcpediatr.biomedcentral.com/articles/10.1186/s12887-018-1120-0>,
<https://doi.org/10.1186/s12887-018-1120-0>, doi: 10.1186/s12887-018-1120-0. [COBISS.SI-ID 6308671], [JCR, SNIP, WoS do 18. 5. 2018: št. citatov (TC): 0, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0, Scopus do 12. 5. 2018: št. citatov (TC): 0, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0] kategorija: 1A2 (Z, A1/2); uvrstitev: SCI, Scopus, MBP; tip dela je verificiral OSICM točke: 29.23, št. avtorjev: 3

MOČNIK, Mirjam, MARČUN-VARDA, Nataša. Cardiovascular risk factors in children with obesity, preventive diagnostics and possible interventions. *Metabolites*, ISSN 2218-1989, 2021, vol. 11, issue 8, str. [1]-18, ilustr. <https://www.mdpi.com/2218-1989/11/8/551>, <https://doi.org/10.3390/metabo11080551>, doi: 10.3390/metabo11080551. [COBISS.SI-ID 74162179], [JCR, SNIP] kategorija: 1A2 (Z, A1/2); uvrstitev: SCI, Scopus, MBP; tip dela še ni verificiran točke: 46.88, št. avtorjev: 2

MARČUN-VARDA, Nataša, MEDVED, Martina, OJSTERŠEK, Laura. The associations between some biological markers, obesity, and cardiovascular risk in Slovenian children and adolescents. *BMC pediatrics*, ISSN 1471-2431, 2020, vol. 20, str. [1]-9, ilustr. <https://bmcpediatr.biomedcentral.com/track/pdf/10.1186/s12887-020-1978-5>, <https://doi.org/10.1186/s12887-020-1978-5>, doi: 10.1186/s12887-020-1978-5. [COBISS.SI-ID 6947391], [JCR, SNIP, WoS do 11. 10. 2020: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0.33, Scopus do 22. 9. 2020: št. citatov (TC): 0, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0] kategorija: 1A2 (Z, A1/2); uvrstitev: SCI, Scopus, MBP; tip dela je verificiral OSICM točke: 27.88, št. avtorjev: 3