



UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Klinična prehrana					
Course title:	Clinical Nutrition					
Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester			
Dentalna medicina/ Dental medicine 2. stopnja/2nd cycle		2	3 ali 4			
Vrsta predmeta / Course type	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
5	40				45	3
Nosilec predmeta / Lecturer:	Red. prof. dr. Dušanka Mičetić-Turk					
Jeziki / Languages:	Predavanja / Lectures:	slovenščina/slovene				
	Vaje / Tutorial:					
Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	Prerequisites:					
Vsebina:	Content (Syllabus outline):					
-Ocena prehranskega stanja, - Klinična in biokemijska analiza stanja prehranjenosti, sestava telesa, -Prehranski vnos glede na sestavo po posameznih skupinah hranil in energetski vnos, ocena ustreznosti vnosa . -Voda in elektroliti -Vpliv pomanjkanja makro in mikrohranil na fiziološke funkcije v različnih bolezenskih stanjih -Nutraceutiki in njihov pomen za zdravje - Pomen probiotikov, prebiotikov in antioksidantov v prehrani - Sodobne smernice prehrane dojenčkov, predšolskih in šolskih otrok ter odraslih -Najpogostejše prebavne motnje povezane s prehrano - Enteralna in parenteralna prehrana - Prehranska modulacija in imunske funkcije -Prehrana akutno bolnih (na pr. akutni gastroenteritis) -Prehrana kritično bolnih(na pr. KVČB, ledvične bolezni..)	Assessment of nutritional status, -Clinical and biochemical analysis of nutritional status, Body composition, -Nutritional intake regarding composition by individual nutrient groups and energy intake, intake adequacy assessment -Water and electrolytes -The impact of macro and micronutrient deficiencies in the physiological function in various disease states -Nutraceuticals and their importance for health - The importance of probiotics, prebiotics and antioxidants in nutrition -Contemporary guidelines for nutrition of infants, preschool and school children as well as the adults - The most common gastrointestinal disorders in connection with the food -Enteral and parenteral nutrition -Nutritional modulation and immune functions -Nutrition of acute illpatients (i.e. ac.gastroenteritis)					

-Motnje hranjenja in prehranska podpora teh bolnikov	-Nutrition of critically ill patients (IBD, renal diseases ..) -Eating disorders and nutritional support of these patients
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Temeljni literatura in viri / Readings:

<p>1.Študijsko gradivo- zapiski predavanj/ Course material- lecture notes</p> <p>3.Garrow JS,James WPT, Ralph A., Human Nutrition and Dietetics.10th edition. Churchill Livingstone , Harcourt Publishers Limited, 2000</p> <p>Dopolnilna literatura:</p> <p>4.Mahan K. Escott-Stump S.Krause, Food,Nutrition &Diet therapy (12th ed) WBSaunders Company, Philadelphia,2008</p> <p>5.Kleinman R.E.,Greer F.R., Pediatric Nutrition,(7th ed),American Academy of Pediatrics,2014</p> <p>6.More .Infant,child and adolescent Nutrition, a practical handbook,Taylor&Francis group,2013, A.S.P.E.N. and E.S.P.E.N. guidelines Strokovne publikacije v periodiki</p>

Cilji in kompetence:**Objectives and competences:**

<p>Cilji: poznavanje prehrane za vzdrževanje zdravja in za različna bolezenska stanja in motnje hranjenja</p> <p>Splošne kompetence: Razumevanje konceptov znanstvenih izhodišč klinične prehrane in dietetike, ki študenta usmerjajo k analiziranju in reševanju problemov. Razvijanje zmožnosti za iskanje, izbiro in uporabo relevantnih podatkov in najnovejših informacij iz področja prehrane</p> <p>Predmetno specifične kompetence: Študent zna oceniti stanje prehranjenosti bolnika Študent zna prepoznati osnovne simptome, pozna diagnostične postopke in principe zdravljenja bolezni ter najprimernejšo obliko prehrane pri določeni bolezni vključno z vsemi oblikami umetne prehrane Razvija sposobnosti sodelovanja v multidisciplinarnem timu Razvija sposobnosti raziskovanja, dokumentiranja, analize rezultatov , prikaza rezultatov in njihove objave v strokovni /znanstveni literaturi.</p>	<p>Goals: Understanding the role of nutrition in health and different diseases and eating disorders</p> <p>General competences: Understanding the concepts of scientific principles of clinical nutrition and dietetics, which direct students to analyze and solve problems. Developing the ability to find, select and use relevant data and the latest nutrition information</p> <p>Subject-specific competences: The student can evaluate the patient's nutritional status The student can recognize the basic symptoms, familiar diagnostic procedures and principles of treatment of the disease, and the most appropriate form of nutrition in a particular disease, including all forms of artificial nutrition Develops the ability to participate in a multidisciplinary team Develops the ability to research, document, analyze results, display results and publish them in professional / scientific literature</p>
Predvideni študijski rezultati:	Intended learning outcomes:
<p>Znanje in razumevanje: Študent razume pomen prehrane v zdravju in bolezni Pozna osnove učinkov hrane na bolezenske procese in razume patofiziološko dogajanje pri različnih motnjah Pozna različne načine prehranske podpore bolnikov in zna načrtovati prehrano Ima teoretično podlago za sodelovanje pri raziskovalnem delu.</p>	<p>Knowledge and understanding: Student understand the role of nutrition for health and for different pathological conditions Student know the basic concepts of the effects of food to different diseases and understand the pathophysiological processes in different disorders Student have to know the different types of nutritional support and know planning nutrition Student have the theoretical foundation to collaborate in research work.</p>
Metode poučevanja in učenja:	Learning and teaching methods:

2022/23

Predavanja Seminarji	Lectures Seminars	
Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Seminarska naloga in ustna predstavitev	50%	Seminar essay and oral presentation
Pisni izpit	50%	Written exam

Reference nosilca / Lecturer's references:

ŠIKIĆ POGAČAR, Maja, TURK, Eva, DOLINŠEK, Jernej, MARČUN-VARDA, Nataša, MIČETIĆ-TURK, Dušanka. Impact of obesity on health related quality of life among children and adolescents in Slovenia. *HealthMed*, ISSN 1840-2291, 2013, vol. 7, no. 10, str. 2765-2776, ilustr. http://www.healthmed.ba/pdf/healthmed_7_10_web.pdf. [COBISS.SI-ID 4791359], [SNIP]

GRECO, Luigi, TIMPONE, Laura, ABKARI, Abdelhak, ABU-ZEKRY, Mona, ATTARD, Thomas, BOUGUERRA, Faouzi, CULLUFI, Paskal, KANSU, Aydan, MIČETIĆ-TURK, Dušanka, MIŠAK, Zrinjka, ROMA, Eleftheria, SHAMIR, Raanan, TERZIC, Selma. Burden of celiac disease in the Mideterranean area. *World Journal of Gastroenterology*, ISSN 1007-9327, 2011, vol. 17, no. 45, str. 4971-4978. <http://www.wjgnet.com/1007-9327/pdf/v17/i45/4971.pdf>, doi: 10.3748/wjg.v17.i45.4971. [COBISS.SI-ID 4138303], [JCR, SNIP, WoS do 10. 12. 2013: št. citatov (TC): 7, čistih citatov (CI): 7, normirano št. čistih citatov (NC): 2, Scopus do 2. 10. 2013: št. citatov (TC): 7, čistih citatov (CI): 7, normirano št. čistih citatov (NC): 2]

MIČETIĆ-TURK, Dušanka, ŠIKIĆ POGAČAR, Maja. Klinična uporaba probiotikov v pediatriji = Clinical use of probiotics in pediatrics. *Zdravniški vestnik*, ISSN 1318-0347. [Tiskana izd.], dec. 2011, letn. 80, št. 12, str. 933-943. <http://ojs.szd.si/index.php/vestnik/article/view/657/627>. [COBISS.SI-ID 4156735], [JCR, WoS do 5. 4. 2012: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0, Scopus do 10. 7. 2012: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0]

MIČETIĆ-TURK, Dušanka, ŠIKIĆ POGAČAR, Maja. Prehranska modulacija imunske funkcije in nutrigenomika = Nutritional modulation of immune function and nutrigenomics. *Zdravniški vestnik*, ISSN 1318-0347. [Tiskana izd.], 2010, letn. 79, št. 11, str. 782-789. [COBISS.SI-ID 27571929], [JCR, WoS do 11. 1. 2011: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0, Scopus do 10. 7. 2012: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0]

KLEMENAK, Martina, DOLINŠEK, Jernej, LANGERHOLC, Tomaž, DI GIOIA, Diana, MIČETIĆ-TURK, Dušanka. Administration of *Bifidobacterium breve* decreases the production of TNF-[alfa] in children with celiac disease. *Digestive diseases and sciences*, ISSN 1573-2568, Nov. 2015, vol. 60, iss. 11, str. 3386-3392. <http://link.springer.com/article/10.1007%2Fs10620-015-3769-7>, doi: 10.1007/s10620-015-3769-7. [COBISS.SI-ID 512528696], [JCR, SNIP, WoS do 2. 5. 2016: št. citatov (TC): 1, čistih citatov (CI): 1, normirano št. čistih citatov (NC): 0, Scopus do 2. 5. 2016: št. citatov (TC): 2, čistih citatov (CI): 2, normirano št. čistih citatov (NC): 1]

KANIČ, Zlatka, MIČETIĆ-TURK, Dušanka, BURJA, Silva, KANIČ, Vojko, DINEVSKI, Dejan. Influence of a combination of probiotics on bacterial infections in very low birthweight newborns. *Wiener Klinische Wochenschrift*, ISSN 0043-5325, 2015, jg. 127, suppl. 5, str. S210-S215, ilustr. <http://link.springer.com/content/pdf/10.1007%2Fs00508-015-0845-0.pdf>, doi: 10.1007/s00508-015-0845-0. [COBISS.SI-ID 5494335], [JCR, SNIP, WoS do 25. 1. 2016: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0, Scopus do 17. 2. 2016: št. citatov (TC): 0, čistih citatov (CI): 0, normirano št. čistih citatov (NC): 0]