

# MAKSILOFACIALNA IN ORALNA KIRURGIJA 2

## UČNI NAČRT PREDMETA/COURSE SYLLABUS

<b>Predmet:</b>	Maksilofacialna in oralna kirurgija 2
<b>Course title:</b>	Maxillofacial and Oral Surgery 2
<b>Članica nosilka/UL Member:</b>	UL MF

Študijski programi in stopnja	Študijska smer	Letnik	Semestri	Izbirnost
Dentalna medicina, druga stopnja, enovit magistrski	Dentalna medicina (študijski program)	5. letnik	Celoletni	obvezni

<b>Univerzitetna koda predmeta/University course code:</b>	0024779
<b>Koda učne enote na članici/UL Member course code:</b>	377

Predavanja /Lectures	Seminar /Seminar	Vaje /Tutorials	Klinične vaje /Clinical tutorials	Druge oblike študija /Other forms of study	Samostojno delo /Individual student work	ECTS
40			50		90	6

<b>Nosilec predmeta/Lecturer:</b>	Nataša Ihan Hren, Andrej Kansky
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<b>Vrsta predmeta/Course type:</b>	obvezni/Compulsory
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<b>Jeziki/Languages:</b>	Predavanja/Lectures:	Slovenščina
	Vaje/Tutorial:	Slovenščina

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

Vpis v 5. letnik ter opravljen delni izpit iz ekstrakcij.

### Prerequisites:

Enrollment in the 5th year and successfully accomplished the partial exam (topic: tooth extractions).

### Vsebina:

Študentje se naučijo teoretičnih osnov puljenja zob in vseh s tem povezanih stanj. Spoznajo se z dentoalveolarnimi boleznimi in stanji ustne votline, ki potrebujejo oromaksilofacialno kirurško zdravljenje. Seznanijo se s poškodbami in boleznimi obraznega dela skeleta, mehko tkivnih obraznih struktur ter vratu. Pri vajah se naučijo usmerjenega pregleda obraza, ustne votline in vratu (oromaksilofacialnega pregleda), diferencialne diagnostike, in osnovnih oralnokirurških (zobozdravniških znanj) veščin kot je puljenje zob in kirurška terapija intraoralnih akutnih vnetij (in intraoralna oskrba vnetnih stanj). Poleg tega se naučijo oceniti zdravstveno stanje pacienta, preprečevanja in ukrepov pri nujnih stanjih. Seznanijo se z diagnostiko, patologijo in terapijo poškodb, tumorjev, anomalij, žlez slinavk, čeljustnega sklepa in

### Content (Syllabus outline):

Students learn theoretical basics and all situations regarding tooth extractions. They learn about dentoalveolar diseases and situations of oral cavity that require oromaxillofacial surgical treatment. They learn about fractures and diseases of facial skeleton, soft tissue facial and neck structures. In tutorials they learn about directed physical exam of the face, oral cavity and neck (oromaxillofacial exam), differential diagnostics and basic oral surgery procedures as tooth extractions and surgical therapy of intraoral acute infections (and intraoral care of infections). They also learn to assess medical conditions of patients, prevention and procedures of emergency situations. They get to know the diagnostics, pathology and therapy of injuries, tumors, anomalies, salivary glands, temporomandibular joint and facial neuropathology

<p>obrazne nevropatologije (prve pomoči ter zdravljenja oromaksilofacialnega pacienta od zobozdravniškega do specialističnega zdravljenja).</p> <p><b>Vsebine po semestrih so:</b></p> <p>- <b>9. s.:</b> Oralne in maksilofacialne poškodbe: diagnostika, prva pomoč, zdravljenje. Poškodbe mehik tkiv, dentoalveolarne poškodbe, poškodbe obraznih kosti. Bolezni obnosnih votlin. Patologija čeljustnega sklepa.</p> <p>Diagnostika in zdravljenje bolezni žlez slinavk  Predprotetična kirurgija: temelji, posegi v lokalni in splošni anesteziji. Osnove osteointegracije in implantološka oskrba brezzobosti.</p> <p>- <b>10. s.:</b> Tumorji kože obraza, pigmentirane spremembe na koži in ustni sluznici . (Odontogeni tumorji in njim podobne odontogene spremembe. Neodontogeni tumorji čeljustnic. Žilni tumorji. Premaligne spremembe v ustni votlini. Diagnostika tumorjev. Karcinomi ustne votline. Mehkotkivne neoplazne in limfomi. Zatrdline na vratu. Tumorji slinavk. Tumorji čeljustne votline. Kirurško zdravljenje tumorjev glave in vratu ter njihovo multidisciplinarno zdravljenje. Prirojene anomalije glave in vratu – sindromi. Orofacialne shize in njihovo kirurško ter multidisciplinarno zdravljenje. Disgnatije in njihovo zdravljenje. Obrazna neuropatologija .</p>	<p>(first aid and treatment of oromaxillofacial patients from general dental to specialist evaluation).</p> <p><b>Contents in each semester are:</b></p> <p><b>9.s:</b> Oral and maxillofacial injuries: diagnostics, emergency treatment, therapy. Injuries of soft tissues, dentoalveolar injuries, fractures of facial skeleton. Sinus diseases. Pathology of temporomandibular joint. Diagnostics and treatment of salivary gland diseases. Pre-protetic surgery: basics, local and general anesthesia procedures. Basics of osseointegration and implant treatment of anodontia.</p> <p><b>10.s:</b> Sking tumors od the face, pigment changes of skin and oral musoca. Odontogenic tumors and tumor like odontogenic changes. Non odontogenic tumors of jaws. Vascular tumors. Pre-malignant shanges of oral cavity. Diagnostic of tumors. Carcinomas of oral cavity. Soft tissue neoplasms and lymphomas. Tumors of salivary glands. Tumors of oral cavity. Surgical treatment of head and neck tumors and their multidisciplinary treatment. Congenital head and nech anomalies – syndroms. Orofacial clefts and their surgical and multidisciplinary treatment. Orthognathic surgery. Facial neuropathology.</p>
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### Temeljna literatura in viri/Readings:

<p>Hupp, Ellis, Tucker. Contemporary Oral and Maxillofacial Surgery, 7.th edition, Mosby: 2018.</p> <p>Zbornik predavanj 36. podiplomskega tečaja kirurgije za zdravnike splošne medicine Ljubljana 2000 (sklop Maksilofacialna kirurgija).</p> <p>Zborniki strokovnih srečanj Čelešnikovi dnevi.</p> <p>Smrkolj (ur.) Kirurgija – sklop maksilofacialna kirurgija. Ljubljana, 2012.</p>
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### Cilji in kompetence:

<p><i>1. Znanje in razumevanje</i>  Spoznavanje in pravilno zdravljenje bolezni ustne votline, obraza ter vratu.</p> <p><i>2. Uporaba</i>  Obvladanje osnovnih zobozdravniških veščin kot je puljenje zob in intraoralna oskrba vnetnih stanj. Poleg tega se naučijo prve pomoči ter zdravljenja oromaksilofacialnega pacienta od zobozdravniškega do specialističnega zdravljenja ob razumevanju patofizioloških osnov in s tem povezanih kliničnih slik vseh poškodb in bolezni ustne votline in ob</p> <p><i>3. Refleksija</i>  Lastno razumevanje teoretičnih znanj in izkušenj iz prakse, primerjava in evalvacija skladnosti med teorijo in praktičnim ravnanjem</p> <p><i>4. Prenosljive spretnosti – niso vezane le na en predmet</i>  Ekstrakcije, osnovne kirurške metode (anestezija, incizija, šivanje), RTG diagnostika.</p>	<p><b>Objectives and competences:</b></p> <p><i>1. Knowledge and understanding</i>  Understanding and correct treatment of diseases of the oral cavity, face and neck.</p> <p><i>2. Use:</i>  Handling of basic dental procedures as tooth extractions and intraoral care of inflammatory diseases. They learn emergency treatment and treatment of oromaxillofacial patient from primary dental to specialist care. They learn to understand pathophysiological basics and clinical signs all trauma and diseases of oral cavity and facial skeleton.</p> <p><i>3.Reflection:</i>  Own understanding of theoretical knowledge and experience from practice, comparing and evaluating theory and practical knowledge compliance.</p> <p><i>4. Portable skills – not bound / connected to one course</i>  Extractions, basic surgical methods (anesthesia, incision, suturing), X-ray diagnostics.</p>
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### Predvideni študijski rezultati:

### Intended learning outcomes:

Znanja o bolezenskih stanjih ustne votline, obraza in vratu ter razumevanje, s katerim se zobozdravnik lahko samostojno odloča o najprimernejšem izboru zdravljenja. Je sposoben samostojno opraviti osnovne kirurške tehnike v zobozdravstveni ambulanti.	Knowledge of disease states of the oral cavity, face and neck and an understanding with which the dentist can independently decide on the most suitable treatment. Is able to independently perform basic surgical techniques in a dental clinic.
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#### Metode poučevanja in učenja:

Predavanja, vaje, voden individualni študij, možnost individualnega raziskovalnega dela. Vodena klinična obravnava oromaksilofacialnega pacienta.

#### Learning and teaching methods:

Lectures, tutorials, guided individual study, possibility of individual research Guided clinical evaluation and treatment of oromaxillofacial patients.

#### Načini ocenjevanja:

Izpit se opravlja po 10. semestru s pisnimi preverjanjem znanja (pisni izpit iz oromaksilofacialnih poškodb).  
  
Ocenjevalna lestvica od 6–10 (pozitivno) ob upoštevanju Statuta UL in pravil MF.

#### Delež/Weight

100,00 %

#### Assessment:

The exam is taken after the 10th semester with written tests of knowledge (written exam on oromaxillofacial injuries).

Evaluation scale from 6-10 (positive) taking into account the Statute of the UL and the rules of the MF.

#### Reference nosilca/Lecturer's references:

Prof. dr. Nataša Ihan Hren:

1. IHAN HREN, Nataša, GUBINA, Marija, IHAN, Alojz. Cytotoxic T lymphocytes versus streptococcal colonization in periapical granulomas. *J. endod.*, 1999, letn. 25, št. 4, str. 239-242. [COBISS.SI-ID [10751449](#)]
2. BOŽIČ, Marko, IHAN HREN, Nataša. Osteoporosis and mandibles. *Dento-maxillo-facial radiol.*, 2006, letn. 35, št. 3, str. 178-184. [COBISS.SI-ID [21168857](#)]
3. IHAN HREN, Nataša, MILJAVEC, Marko. Spontaneous bone healing of the large bone defects in the mandible. *Int. j. oral maxillofac. surg.*, 2008, letn. 37, št. 12, str. 1111-1116, doi: [10.1016/j.oiom.2008.07.008](#). [COBISS.SI-ID [25123801](#)]
4. IHAN HREN, Nataša, IHAN, Alojz. T lymphocyte activation and cytokine expression in periapical granulomas and radicular cysts. *Arch. oral biol.* [Print ed.], 2009, letn. 54, str. 156-161, doi: [10.1016/j.archoralbio.2008.09.014](#). [COBISS.SI-ID [25156569](#)]
5. KOČAR, Miha, SEME, Katja, IHAN HREN, Nataša. Characterization of the normal bacterial flora in peri-implant sulci of partially and completely edentulous patients. *Int J Oral Maxillofac Implants*, 2010, letn. 25, št. 4, str. 690-698. [COBISS.SI-ID [27269081](#)]

Doc. dr. Andrej Kansky

1. DIDANOVIČ, Vojislav, KANSKY, Andrej, EBERLINC, Andreja, DOVŠAK, Tadej, KOČAR, Miha, IHAN HREN, Nataša. Prelaminirani prosti reženj temporalne fascije za nadomestitev sluznice ustnega dna = Prelaminated temporal fascia free flap for reconstruction of the floor of the mouth. *Zdrav Vestn* 2011; 80: 215-20.
2. DIDANOVIČ, Vojislav, PRODNIK, Luka, EBERLINC, Andreja, VESNAVER, Aleš, IHAN HREN, Nataša, KANSKY, Andrej. Tridimenzionalni modeli v maksilofacialni kirurgiji = Three-dimensional models in maxillofacial surgery. *Zdrav Vestn* 2010; 79:302-06.
3. VOGELNIK, Jože, MOHARIČ, Metka, MEH, Duška, IHAN HREN, Nataša, KORITNIK, Blaž, GAŠPERŠIČ, Rok, DIDANOVIČ, Vojislav, KANSKY, Andrej. Ovrednotenje senzibilnostne motnje po kirurškem zdravljenju mandibularnega prognatizma = Evaluation of sensory disturbances after surgical treatment of mandibular prognathism. *Zobozdrav. vestn* 2009; 64 :117-23.
4. KANSKY, Andrej, SEME, Katja, MAVER VODIČAR, Polona, LUZAR, Boštjan, GALE, Nina, POLJAK, Mario. Human papillomaviruses (HPV) in tissue specimens of oral squamous cell papillomas and normal oral mucosa. *Anticancer res.*, 2006;26: 3197-01.
5. KANSKY, Andrej, POLJAK, Mario, SEME, Katja, KOCJAN, Boštjan, GALE, Nina, LUZAR, Boštjan, GOLOUH, Rastko. Human papillomavirus DNA in oral squamous cell carcinomas and normal oral mucosa. *Acta virol.* 2003;47:11-6.