

OTORINOLARINGOLOGIJA

UČNI NAČRT PREDMETA/COURSE SYLLABUS

Predmet:	Otorinolaringologija
Course title:	Otorhinolaryngology
Članica nosilka/UL Member:	UL MF

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

Univerzitetna koda predmeta/University course code:	0025133
Koda učne enote na članici/UL Member course code:	428

Predavanja /Lectures	Seminar /Seminar	Vaje /Tutorials	Klinične vaje /Clinical tutorials	Druge oblike študija /Other forms of study	Samostojno delo /Individual student work	ECTS
23	12	0	40		75	5

Nosilec predmeta/Lecturer:	Prof. dr. Saba Battelino
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Vrsta predmeta/Course type:	obvezni/Compulsory
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Jeziki/Languages:	Predavanja/Lectures:	Slovenščina
	Vaje/Tutorial:	Slovenščina

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

Vpis v 5. letnik.
Pogoj za pristop k izpitu so opravljene vaje in praktični del izpita.

Prerequisites:

Enrolment into 5th year.

The prerequisite for taking the exam is to complete the tutorials and the practical part of the exam

Vsebina:

Posebnosti anatomije in fiziologije ušes, nosnega organa, ustne votline, žrela, grla in vratu s posebnim ozirom na bolezenske procese v tem področju. Fiziologija sluha, vonja in okusa. Prirojene nepravilnosti, poškodbe, vnetja, tumorji ušes, nosu in obnosnih votlin, ustne votline, žrela, grla in vratu, epidemiologija, etiologija, patogeneza, bolnikova znamenja in znaki. Diagnostični postopki pri ugotavljanju omenjenih patoloških stanj ter možnosti in uspeh zdravljenja. Interdisciplinarno sodelovanje.

Content (Syllabus outline):

Anatomy and physiology of ear, nose, oral cavity, pharynx, larynx and neck with particular emphasis on pathological processes in these areas. Physiology of hearing, smell and taste. Congenital malformations, trauma, inflammations, tumors of ear, nose and paranasal sinuses, oral cavity, pharynx, larynx and neck, epidemiology, etiology, pathogenesis, presenting signs and symptoms. Diagnostic procedures and treatment planning in the management of ENT disorders. Interdisciplinary cooperation.

Temeljna literatura in viri/Readings:

Probst R, Grevers G, Iro H. Basic Otorhinolaryngology: A Step-By Step Learning Guide. 2nd ed. Thieme, 2017.

Becker W, Naumann HH, Pfaltz CR. Ear, Nose and Throat diseases, Thieme, 4th ed. 2008.

Battellino S., Avdiometrija, vestibulometrija in avdiološka elektroakustika v vsakdanji praksi, 3. nova in dopolnjena izdaja, Ljubljana, 2022.

zbirka člankov – dosegljiva na vajah

Cilji in kompetence:

Študenti se spoznajo z boleznimi ušes, nosu in obnosnih votlin, ustne votline, žrela, grla in z bolezenskimi spremembami na vratu, z vzroki za okvare sluha, voha in okusa. Pri vajah se naučijo tehnike otorinolaringološkega pregleda, nujne medicinske pomoči in obravnave otorinolaringološkega bolnika ter naučeno znanje preizkusijo v stiku z bolniki.

Objectives and competences:

The students get knowledge about diseases of ears, nose and paranasal sinuses, oral cavity, pharynx, larynx and neck abnormalities, causes of hearing loss, smell and taste dysfunction. During clinical practise they learn techniques of otorhinolaryngological examination. They also learn to apply urgent medical help and to treat otorhinolaryngological patients. The acquired knowledge is used in practise.

Predvideni študijski rezultati:

Znanje in razumevanje:
Razumevanje fiziologije, patofiziologije in etiologije prirojenih anomalij, poškodb in bolezni ušes, nosu, žrela, grla in vratu, poznavanje znamenj in znakov te patologije, diagnostičnih postopkov in zdravljenja ter nudenje prve pomoči.
Lastno razumevanje teoretičnih znanj in izkušenj iz prakse, primerjava in evalvacija skladnosti med teorijo in praktičnim ravnanjem.

Intended learning outcomes:

Knowledge and understanding:
Understanding pathophysiology and etiology of congenital malformations, trauma and diseases of ears, nose, pharynx, larynx and neck.
Knowledge about signs and symptoms, diagnostic procedures, treatment and giving urgent medical help.
Understanding and combining theoretical knowledge with practical clinical experience.

Metode poučevanja in učenja:

Predavanja, seminarji in vaje

Learning and teaching methods:

Lectures, seminars, and clinical practice

Načini ocenjevanja:

Praktični deli izpita

Delež/Weight

opravi

Assessment:

practical part of exam / completed

ustno izpraševanje

100,00 %

oral examination

Reference nosilca/Lecturer's references:

- SENNAROGLU, Levent, LENARZ, Thomas, ROLAND, J. Thomas, LEE, Daniel J., COLLETTI, Liliana, BEHR, Robert, JIANG, Dan, SAEED, Shakeel R., CASSELMAN, Jan, MANRIQUE, Manuel, BATTELLINO, Saba, BOŠNJAK, Roman, et al. Current status of pediatric auditory brainstem implantation in inner ear malformations; consensus statement of the Third International Pediatric ABI Meeting. *Cochlear implants international*. 2024, vol. 25, iss. 4, str. 316-333. ISSN 1467-0100.

<https://www.tandfonline.com/doi/full/10.1080/14670100.2024.2413273>, DOI:

[10.1080/14670100.2024.2413273](https://www.tandfonline.com/doi/full/10.1080/14670100.2024.2413273). [COBISS.SI-ID [219760643](https://www.tandfonline.com/doi/full/10.1080/14670100.2024.2413273)]

- URBANČIČ, Jure, BATTELLINO, Saba, BOŠNJAK, Roman, FELBABIĆ, Tomislav, STEINER, Nejc, VOUK, Matej, VRABEC, Matej, VOZEL, Domen (avtor, korespondenčni avtor). A multidisciplinary skull base board for tumour and non-tumour diseases : initial experiences. *Journal of personalized medicine*. 2024, vol. 14, iss. 1, [article no.] 82, str. 1-12, tabele. ISSN 2075-4426. <https://www.mdpi.com/2075-4426/14/1/82>, DOI: [10.3390/jpm14010082](https://doi.org/10.3390/jpm14010082). [COBISS.SI-ID [180943107](https://www.mdpi.com/2075-4426/14/1/82)]

- BOŽANIĆ URBANČIČ, Nina, BATTELLINO, Saba, VOZEL, Domen (avtor, korespondenčni avtor). Appropriate vestibular stimulation in children and adolescents - a prerequisite for normal cognitive, motor development and bodily homeostasis : a review. *Children*. 2024, vol. 11, iss. 1, [article no.] 2, str. 1-13, ilustr. ISSN 2227-9067. <https://www.mdpi.com/2227-9067/11/1/2>, DOI: [10.3390/children11010002](https://doi.org/10.3390/children11010002).

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- TROHA, Kaja, VOZEL, Domen, ARKO, Matevž, BEDINA ZAVEC, Apolonija, DOLINAR, Drago, HOČEVAR, Matej, JAN, Zala, KISOVEC, Matic, KOCJANČIČ, Boštjan, PAĐEN, Ljubiša, PAJNIC, Manca, PENIČ, Samo, ROMOLO, Anna, REPAR, Neža, SPASOVSKI, Vesna, STEINER, Nejc, ŠUŠTAR, Vid, IGLIČ, Aleš, DROBNE, Damjana, KOGEJ, Ksenija, BATTELINO, Saba, KRALJ-IGLIČ, Veronika (avtor, korespondenčni avtor). Autologous platelet and extracellular vesicle-rich plasma as therapeutic fluid : a review. *International journal of molecular sciences*. Feb. 2023, vol. 24, no. 4, [article no.] 3420, str. 1-39. ISSN 1422-0067. <https://www.mdpi.com/1422-0067/24/4/3420>, Repozitorij Univerze v Ljubljani – RUL, DiRROS - Digitalni repozitorij raziskovalnih organizacij Slovenije, dCOBISS, DOI: [10.3390/ijms24043420](https://doi.org/10.3390/ijms24043420). [COBISS.SI-ID [142752771](https://cobiss.si/142752771)]
- URBANČIČ, Jure, VOZEL, Domen (avtor, korespondenčni avtor), BATTELINO, Saba, BOŠNJAK, Roman, KOKOŠAR ULČAR, Barbara, MATOS, Tadeja, MUNDA, Matic, PAPST, Lea, STEINER, Nejc, VOUK, Matej, ZIDAR, Nina. Atypical skull-base osteomyelitis : comprehensive review and multidisciplinary management viewpoints. *Tropical medicine and infectious disease*. 2023, vol. 8, iss. 5, str. 1-20, ilustr. ISSN 2414-6366. <https://www.mdpi.com/2414-6366/8/5/254>, DOI: [10.3390/tropicalmed8050254](https://doi.org/10.3390/tropicalmed8050254). [COBISS.SI-ID [150715395](https://cobiss.si/150715395)]
- JONARD, Laurence, BROTTTO, Davide, MORENO-PELAYO, Miguel A., DEL CASTILLO, Ignacio, KREMER, Hannie, PENNINGS, Ronald, CARIA, Helena, FIALHO, Graça, BATTELINO, Saba, TREBUŠAK PODKRAJŠEK, Katarina, et al. Genetic evaluation of prelingual hearing impairment : recommendations of an European Network for Genetic Hearing Impairment. *Audiology research*. 2023, vol. 13, iss. 3, str. 341-346. ISSN 2039-4349. <https://www.mdpi.com/2039-4349/13/3/29>, DOI: [10.3390/audiolres13030029](https://doi.org/10.3390/audiolres13030029). [COBISS.SI-ID [151652355](https://cobiss.si/151652355)]
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- STEINER, Nejc, VOZEL, Domen, URBANČIČ, Jure, BOŽIČ, Darja, KRALJ-IGLIČ, Veronika, BATTELINO, Saba. Clinical implementation of platelet- and extracellular vesicle-rich product preparation protocols. *Tissue engineering. Part A*. 2022, vol. 28, iss. 17/18, str. 770-780. ISSN 1937-3341. DOI: [10.1089/ten.TEA.2022.0024](https://doi.org/10.1089/ten.TEA.2022.0024). [COBISS.SI-ID [108546819](https://cobiss.si/108546819)]
- VOZEL, Domen, PUKL, Peter, GROŠELJ, Aleš, ANIČIN, Aleksandar, STROJAN, Primož, BATTELINO, Saba. The importance of flaps in reconstruction of locoregionally advanced lateral skull-base cancer defects : a tertiary otorhinolaryngology referral centre experience. *Radiology and oncology*. [Print ed.]. 2021, vol. 55, no. 3, str. 323-332, viii, ilustr. ISSN 1318-2099. DOI: [10.2478/raon-2021-0012](https://doi.org/10.2478/raon-2021-0012). [COBISS.SI-ID [59567619](https://cobiss.si/59567619)]
- KORDIŠ, Špela, VOZEL, Domen, HRIBAR, Manja, BOŽANIČ URBANČIČ, Nina, BATTELINO, Saba. The outcome of prompt concomitant single-dose high-concentration intratympanic and tapered low-dose oral systemic corticosteroid treatment for sudden deafness. *The Journal of International Advanced Otolaryngology*. 2020, vol. 16, iss. 2, str. 201-206. ISSN 1308-7649. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7419082/pdf/jiao-16-2-201.pdf>, DOI: [10.5152/jao.2020.8341](https://doi.org/10.5152/jao.2020.8341). [COBISS.SI-ID [29287683](https://cobiss.si/29287683)]
- VOZEL, Domen, STEINER, Nejc, BOŽANIČ URBANČIČ, Nina, MLADENOV, Dejan, BATTELINO, Saba. Slovenian cross-cultural adaptation and validation of health-related quality of life measures for chronic otitis media (COMQ-12), vertigo (DHI, NVI) and tinnitus (THI) = Medkulturna prilagoditev in potrditev slovenskih različic vprašalnikov za oceno kroničnega vnetja srednjega ušesa (COMQ-12), vrtoglavice (DHI, NVI) in tinitusa (THI). *Zdravstveno varstvo : Slovenian journal of public health*. [Tiskana izd.]. 2020, letn. 59, št. 3, str. 120-127. ISSN 0351-0026. <https://content.sciendo.com/view/journals/sjph/59/3/article-p120.xml>, <http://www.dlib.si/details/URN:NBN:SI:doc-9MD9MW63>, DOI: [10.2478/sjph-2020-0016](https://doi.org/10.2478/sjph-2020-0016). [COBISS.SI-ID [21978883](https://cobiss.si/21978883)]