

Course title

Sinus lifting- efficacy assessment of different operation methods

Department

Department of Oral Surgery

Address

School of Dental Medicine University of Zagreb, Gundulićeva 5, Zagreb

Total ECTS points

4

Course leader

Professor Berislav Perić

Course associates

Teaching plan

	No. classes
Lecture	4
Seminar	10
Practical	6
Total	20

1 class = 45 minutes

Course description

Maxillary sinus lifting is a surgical method in which the bone volume in the posterior region of the maxillary sinus is being lifted and expanded, so that it would create conditions for future dental implantpositioning. This way patients have aesthetical, functional and fonetical improvements in their quality of life. The goal of this subject is to introduce the students with anatomical basis of the maxillary sinus, indications and contraindications for sinus lifting, possible complications and failures during surgical procedures, different surgical methods and materials for bone augmentation. During this subject students will also learn how to efficiently prepare for the planned surgical procedure by clinical examination and X-ray diagnostics. After the subject is done participans will know how to use protocols to determine indications and contraindications for the procedure and they will know the basic techniques for the operation.

Learning outcomes

1. To predict indications and contraindications for sinus lifting
2. To predict possible complications during the procedure
3. Establish optimal techniques to surgically lift the basis of the maxillary sinus

Course content

Lecture

	Lecture topics	Number of classes/hours
1.	Definition, terminology, history of sinus lifting	-
2.	Anatomy of upper jaw	-
3.	Anamnesis and clinical examination	-
4.	Radiological anatomy	-
5.	-	-
6.	-	-
7.	-	-
8.	-	-
9.	-	-
10.	-	-

1 sat = 45 minuta

Seminar

	Seminar topics	Number of classes/hours
1.	Panoramic radiograph and CBCT of the maxilla	-
2.	Indications for sinus lifting	-
3.	Contraindications for sinus lifting	-
4.	Transcrestal sinus floor elevation	-
5.	Lateral wall sinus floor elevation	-
6.	Balloon sinus elevation	-
7.	Intraoperative complications of sinus lifting	-
8.	Early postoperative complications of sinus lifting	-
9.	Late postoperative complications of sinus lifting	-
10.	Management of sinus lifting complications	-

1 sat = 45 minuta

Vježbe

	practicals topics	Number of classes/hours
1.	Anamnesis and clinical examination	-
2.	Radiological images analysis	-
3.	Presentation of materials used for bone augmentation	-
4.	Presentation of implant protocol	-

5.	Transcrestal sinus floor elevation	-
6.	Lateral wall sinus floor elevation	-
7.	-	-
8.	-	-
9.	-	-
10.	-	-

1 class = 45 minutes

Literature

- 1.Jensen OT. The sinus bone graft 2nd ed. Chicago: Quintessence Pub;1999.
- 2.Ivanković Karaula M. Tehnike podizanja dna maksilarnog sinusa. Poslijediplomski specijalistički rad. Zagreb: Stomatološki fakultet; 2017.
- 3.Linde J, Karring, Lang NP. Klinička parodontologija i dentalna implantologija. 4. Hr. Izd. Zagreb: Nakladni zavod Globus;2004.
- 4.Raghoobar GM, Onclin P, Boven GC, Vissink A, Meijer HJA. Long-term effectiveness of maxillary sinus floor augmentation: A systematic review and meta-analysis. J Clin Periodontol 2019;21.307-318.
- 5.Baker EW. Head and Neck Anatomy for dental Medicine. New York, Stuttgart: Thieme, 2013.
6. Sonick M, Hwang D. Implant site development. Iowa, Oxford:Wiley-Blackwell, 2012.

CV (curriculum vitae) and bibliography of course leader

Berislav Perić graduated in 1992. at the School of Dental medicine, University of Zagreb. In 1992. he also won the Rectors award for the best student project. He worked as an intern at the Health center Zagreb and after passing the professional exam he started working at the Medical Center in Zabok. In the year 1994., he started working at the Department fo Oral Surgery, School Of Dental Medicine in Zagreb, where he still works today. Since 1995., he has been in a cumulative work relationship in the Clinic for Oral and Maxillofacial Surgery, at the Hospital Dubrava. He defended his master thesis in 1996., and disertation in the year 2001. In 2002., he was elected for senior assistant position and in 2003. for the scientific-teaching position of assistant professor. In the meantime, in 2010. he acquired the title of primarius. In 2013., he was elected as an associate professor, and in 2019. he was elected as full professor. He is a member of Croatian Medical Association, Croatian Dentistry Association, Croatian Society of Oral Surgery and Croatian Society for Dental Implantology.

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