UNIVERSITY OF NOVI SAD
FACULTY OF MEDICINE

Study program: Integrated Academic Studies in Dental Medicine

Course title: Oral Surgery with Implantology 2

Teacher: Siniša M. Mirkovic, Srećko Đ. Selaković, Branislav V. Bajkin, Ivan N. Šarčev, Dubravka M. MArković, Tatjana M. Puškar

Course status: Mandatory

ECTS Credits: 4

Condition: Oral Surgery with implantology 1

Course aim

The main aim of the subject is getting familiar with the most recent technologies used in dentistry. Students will be aquainted with basic terms in dental implantology, classification, macrodesign and microdesign of dental implants, materials used for production of dental implants; indications and contraindications for implantation, planing and conducting of implant therapy; complications in implant therapy.

Expected outcome of the course:

Knowledge

- Taking medical and dental history, perform clinical extra oral and intraoral exam and diagnostic procedures necessary in order to indicate implant therapy
- Basic principles of treatment planning
- Pre-implantation procedures
- Basic surgical procedures
- Postoperative protocols and drug administration
- Intraoperative and postoperative complications
- Taking impressions and stages of fabrication of overdentures and fixed prosthodontics on implants
- Prosthodontic complications
- Training and motivation of the patient in performing oral hygiene

Skills

Implantology is the multidisciplinary branch of dentistry. Students should get acquainted with its principles since implantology and related dentistry branches represent the most contemporary trend in dentistry.

Through the practice on mannequins and simulation models students will get basic knowledge of surgical placement of dental implants. Students will also learn procedures of prosthetic rehabilitation of patients with dental implants

Course description

Theoretical education:

1. Introduction to the course
2. Materials used in implantology
3. Anatomy and histology of jaw bone; Design and classsification of implants; Osseointegration
4. Indications and contraindications for dental implants
5. Patient selection and preimplantation procedures
6. Surgical tehniques of implant placement
7. Special surgical proccedures (GBR, sinus/lift)
8. Surgical complications (intraoperative and postoperative); diagnosis and treatment
9. Prosthodontic rehabilitation on dental implants
10. Types of suprastructures
11. Taking impressions in implantology
12. Temporarisation in implantology
13. Fixing of prosthodontics and occlusal balance, importance of articulator use
14. Prosthodontic complications
15. The importance of patient recall in implantology

Practical education:

1. Taking medical and dental history, clinical examination and the x-ray scan analysis
2. Implant therapy planning
3. Surgical procedures performed
4. Impression techniques

5. Fixing of cement retained prostodontics
6. 6. Fixing of screw retained prosthodontics

Literature

Compulsory

1. Lindhe J, Lang NP, Karring T. Clinical Periodontology and Implant Dentistry. Blackwell Publishing Co, 2008.
2. Misch CE. Dental Implant Prosthetics, Mosby, St Louis 2005.

Number of active classes	**Theoretical:** 15	**Practice:** 30

Teaching methods

Lectures and practical.

Student activity assessment (maximally 100 points)

Pre-exam activities	**points**	**Final exam**	**points**
Lectures	10	Written	60
Practices	10	Oral	
Colloquium			
Essay	20		