

**The Theme of the Contest**  
**For the position of Associate Professor position 12 for an indefinite period**  
**Department of Dental Medicine**

1. Anesthesia in dental medicine: Physiology of Nerve Transmission Concepts
  - Anesthetics for local anesthesia.
  - Loco-regional anesthesia instruments;
  - Techniques employed in loco-regional anesthesia;
  - Loco-regional anesthesia accidents and problems;
  - Analgesia-sedation of consciousness inhalation with nitrous oxide in dentistry and oro-maxillofacial surgery,
2. Tooth extraction:
  - Dental extraction indications;
  - Dental extraction contraindications
  - A clinical and radiological evaluation is performed.
  - Preparations for extraction;
  - Extraction instruments;
  - General concepts of dental extraction procedures;
  - Dental extraction technique on groups of teeth;
  - General considerations for elevator extraction;
  - Tooth extraction with interradicular separation;
  - Root debris extraction;
  - Principles of temporary tooth extraction procedure;
  - Dental extraction accidents and complications.
3. Dental eruption pathology:
  - Concepts of embryogenesis and dental organogenesis;
  - Dental development chronology; - Dental eruption disorders;
  - Wisdom molar pathology; - Inclusion of the upper canine;
  - Inclusion of canines and lower premolars.
4. Apical excision, periapical curettage, and root amputation are surgical treatments for periapical lesions.
5. Preprotetic surgical treatment:
  - Soft tissue preprotetic surgical treatment;
  - Bone substrate preprotetic surgical treatment.
6. Preimplantar surgical treatment:
  - Techniques for treating bone atrophy before to implantation.

7. Etiology; Anatomical-pathological forms; General principles of treatment in oro-maxillofacial suppurations; Classification of oro-maxillofacial infections; Perishable illnesses

- Infections of the fascial spaces;
- Diffuse suppurations;
- Necrotizing fasciitis;
- Complications of oro-maxillofacial infections;
- Nonspecific cervico-facial lymphadenitis;
- Nonspecific infections of the maxillary bones;
- Specific infections.

8. Dental-related diseases of the maxillary sinus:

- Basic anatomy;
- Dental-related maxillary sinusitis;
- Oro-synusal communication.

9. Traumatology of the oro-maxillofacial region:

- Oro-maxillofacial wounds;
- Mandible fractures;
- Middle floor of the face fractures;
- Dento-alveolar injuries.

10. Oral and cervico-facial soft tissue benign cysts and tumors:

- Classification;
- Definitions
- Oral and cervico-facial soft tissue cysts;
- Oral and cervico-facial soft tissue benign tumors

11. Cysts, benign tumors and osteopathies of the maxillary bones:

- The development of the tooth (odontogenesis);
- Cysts of the maxillary bones;
- Benign tumors of the maxillary bones;
- Comparative aspects of cysts, benign tumors and osteopathies of the maxillary bones;
- Principles of surgical treatment of cysts and benign tumors of bones

Jaws.

12. Malignant oro-maxillofacial tumors: - Biology of the oro-maxillofacial malignant tumor process; - Risk factors in the formation of oro-maxillofacial malignant tumors; - Clinical characteristics and diagnosis of oro-maxillofacial malignant tumors;

- Multimodal therapy principles in malignant oro-maxillofacial cancers;
- Malignant tumors of the lips;
- Malignant tumors of the tongue's oral portion and the oral floor;
- Malignant tumors of the jugal mucosa;
- Malignant tumors of the intermaxillary commissure (retromolar triangle);
- Malignant tumors of the gingival mucosa;
- Malignant tumors of the palatine veil;

- Malignant tumors of the mandible;

13. Temporomandibular joint pathology:

- Temporomandibular joint anatomy and biomechanics;
- Extraarticular pathology – algodisfunctional syndrome (SAD);
- Intraarticular pathology;
- Surgical therapy of ATM disorders.

14. Salivary gland pathology:

- Anatomical variants and malformations;
- Wounds of the salivary glands and their excretory ducts;
- Disorders of salivary secretion;
- Obstructive disorders of the salivary glands;
- Infections of the salivary glands;
- Systemic parotidomegaly;
- Other diseases of the salivary glands;
- Tumor pathology of the salivary glands.

15. Surgical treatment of severe dento-maxillary anomalies: general concepts; standard methodology for the staging of severe dento-maxillary anomaly treatment; elongation aimed into dento-maxillary anomalies.

16. Labio-maxillo-palatine clefts: Embryology, Etiopathogony, Prenatal Diagnosis, and Lip Cleft Classification

- Treatment of clefts of the lip;
- Cleft palate;
- Sequelae after labio-maxillo-palatine clefts;
- Complex deformities of the nasal region;
- Complex dento-facial anomalies; velo-palatine insufficiency.

17. Oral and maxillofacial surgery devices and prostheses:

- Devices and prostheses used after extraction;
- Devices and prostheses used in preprotical surgery;
- Devices used in the pathology of oro-maxillofacial injuries;
- Devices and prostheses used in bone abnormalities;
- Devices and prostheses used in temporomandibular joint pathology.

18. Pain in the oromaxillofacial area. Trigeminal neuralgia: Anatomy of the pain pathways; Physiology of pain; Clinical and psychological aspects of pain; Clinical entities related with oro-maxillofacial pain.

19. Number anomalies

- Dimension anomalies
- Anomalies in shape a rash disturbance
- Anomalies in structure
- Anomalies in color



20. Ulcerated sores, aphthae

**Reference:**

1. Al.Bucur, C.Navarro Vila, J.Lowry, J.Acero : *Compendiu de chirurgie oro-maxilo-faciala* Vol.1 si 2, Ed.Qmed Publishing Bucuresti, 2009
2. C Burlibaşa şi col. Chirurgie orală şi maxilofacială. Editura Medicală, Bucureşti 2005
3. Raymond Fonseca: Oral and Maxillofacial Surgery; Editura Sunders 2009
4. Peter Ward Booth şi col. Maxillofacial Surgery second edition, Churchill Livingstone Elsevier, St Louis Missouri USA, 2007
5. Josef A Regezi şi col., Oral Pathology, Editura Saunders Elsevier, 2006
6. Doina Iulia Rotaru, Liviu Mureşan, Ada Delean. Patologie Orală, editura UMF Cluj Napoca 2011

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