

PACIFIC DENTAL COLLEGE AND HOSPITAL, DEBARI, UDAIPUR

BDS CURRICULUM

ORAL AND MAXILLOFACIAL SURGERY

Curriculum for Bachelor of Dental Surgery (BDS) students for the subject of Oral and Maxillofacial Surgery (OMFS). The curriculum is designed to ensure students acquire comprehensive knowledge and practical skills for diagnosis, treatment planning, and management of oral surgical conditions. Here's a summary of the prescribed curriculum for Oral Surgery:

1. Objectives

- **Knowledge:**
 - Understanding the basic principles of oral and maxillofacial surgery.
 - Knowledge of applied anatomy, physiology, pathology, and pharmacology.
 - Diagnosis and management of various oral surgical conditions.
 - Principles of asepsis, sterilization, and surgical techniques.
 - **Skills:**
 - Performing minor oral surgical procedures.
 - Managing complications related to oral surgery.
 - Handling medical emergencies in dental practice.
 - **Attitude:**
 - Developing ethical and professional behaviour.
 - Encouraging interdisciplinary collaboration for patient care.
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2. Syllabus

Theoretical Topics

1. **Introduction to Oral Surgery:**
 - Scope and significance.
 - Principles of surgery, including asepsis and sterilization.
2. **Exodontia (Tooth Extractions):**
 - Principles and techniques.
 - Complications and their management.
3. **Impacted Teeth:**

- Diagnosis and surgical removal.
 - Management of complications like dry socket, paresthesia, etc.
 - 4. Pre-Prosthetic Surgery:**
 - Procedures to improve oral tissues for prosthesis placement.
 - 5. Infections of Oral and Maxillofacial Region:**
 - Odontogenic and non-odontogenic infections.
 - Fascial space infections and their management.
 - 6. Cysts of Orofacial Region:**
 - Diagnosis and surgical management.
 - 7. Benign and Malignant Tumors:**
 - Overview and referral protocols.
 - 8. Trauma:**
 - Management of maxillofacial injuries.
 - Basics of fracture reduction and fixation.
 - 9. Temporomandibular Joint Disorders (TMD):**
 - Etiology, diagnosis, and basic management.
 - 10. Maxillary Sinus:**
 - Diseases related to the sinus and their surgical management.
 - 11. Medical Emergencies in Dental Practice:**
 - CPR and management of emergencies like syncope, anaphylaxis, and airway obstruction.
 - 12. Basic Principles of Anesthesia:**
 - Local anesthesia techniques – Maxillary and Mandibular Nerve Block
 - 13. Miscellaneous:**
 - Principles of biopsy.
 - Orofacial pain.
 - Management of soft tissue injuries.
 - Introduction to lasers in oral surgery.
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3. Practical and Clinical Training

1. Hands-on Training:

- Performing simple and surgical extractions.
 - Managing minor oral surgical procedures under supervision.
- 2. Clinical Posting:**
- Observing and assisting in major surgeries in a hospital setup.
 - Exposure to interdisciplinary care.
- 3. Logbook:**
- Documenting clinical cases performed or assisted.
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4. Assessment

- 1. Theory Examination:**
- Questions on all syllabus topics, with a focus on problem-solving.
- 2. Practical Examination:**
- Performing procedures like simple extraction, demonstrating suturing, or handling surgical instruments.
- 3. Viva Voce:**
- Assessing clinical knowledge, diagnostic abilities, and surgical principles.
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Recommended Books

1. **Textbook of Oral and Maxillofacial Surgery** by Neelima Anil Malik.
2. **Contemporary Oral and Maxillofacial Surgery** by James R. Hupp, Myron R. Tucker, and Edward Ellis.
3. **A Textbook of Oral Surgery** by Kruger.

This curriculum ensures students are well-prepared for general dental practice and form a strong foundation for those who wish to pursue specialization in Oral and Maxillofacial Surgery.