

University of Jordan
Faculty of Dentistry
Department of Oral Surgery, Oral Medicine and Periodontology
2011/2012

Course Title: Oral Surgery 2 - Theory

Course Code: 1301563

Semester: 1st and 2nd.

Course coordinator: Dr Ziad Malkawi

Instructors:

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Course objectives:

- The student should understand the principles of implant therapy and see implants being maintained within healthy tissues.
- Student should have an understanding of the range of surgical procedures which may be used to manage diseases and disorders of the mouth and jaws. They should also be aware of the principles of trauma management and the basics and principles of managing oral pathologies and dentofacial deformities.

Learning outcomes:

A) Knowledge and understanding:

- A1) Applications of dental implants.
- A2) Managing trauma patients
- A3) Surgical management of oral pathologies
- A4) Management of dentofacial deformities

B) Intellectual skills:

- B1) Acquire a wide range of skills, including research, investigative, analytical.
- B2) Problem-solving, planning, communication, presentation and team skills.
- B3) Use contemporary methods of electronic communication and information management.

C) Subject specific skills:

- C1) Have knowledge with the principles of dental implants and preprosthetic procedures
- C2) Have knowledge with the principles of assessment and management of maxillofacial trauma
- C3) Have knowledge with the diagnosis of oral cancer and the principles of tumour management
- C4) Have knowledge with the principles of treatment of dento-facial anomalies including the common orthodontic/maxillofacial procedures involved

D) Transferable skills:

- 1) Emphasize the importance of communication skills between peers and between clinicians and patients.
- 2) Be competent at providing a service not based on sound clinical judgment, by showing clinical examples of failed cases.

Teaching methods:

Duration: 28 weeks in the two semesters.

Lectures: 1 per week (excluding two 1 hour first and second exams and a 2 hour final exam)

This subject is the theoretical part of Oral Surgery; it is supplemented by Clinical Oral Surgery 2. Therefore, this course is comprised of lectures given by the course instructors. Each lecture is commenced with the aims and objectives of the subject, lectures are supplemented with clinical cases, discussions and assignments on data retrieval from the literature are encouraged.

Tests and evaluation:

Computed assisted exams in the form of single best answer:

- First Exam (25%) in November
- Second exam (25%) in March
- Final exam (50%) in June

Course contents and weights

Lect. N.	Title of Lecture	Subtitles	Lecturer
Contemporary implant dentistry			
1	Implant dentistry I:	<ul style="list-style-type: none"> - Biological considerations for osseointegration. - Historical perspective - Types of dental implants - Clinical implant components 	Dr Baqain
2	Implant dentistry II:	<ul style="list-style-type: none"> - Case selection and preoperative medical evaluation. - Examination and treatment planning 	Dr Baqain
3	Implant dentistry III:	<ul style="list-style-type: none"> - Patient preparation - Soft tissue incision - Preparation of implant site - Implant placement - Postoperative care - Stage II surgery 	Dr Al-Ahmed
4	Implant dentistry IV:	<ul style="list-style-type: none"> - Complications: failing implants - Advanced surgical techniques in implant dentistry: <ul style="list-style-type: none"> -Bone block grafting -Sinus lift -Guided bone regeneration 	Dr Al-Ahmed
Preprosthetic surgery			
5	Preprosthetic surgery:	<ul style="list-style-type: none"> - Objectives of preprosthetic surgery - Patient evaluation and treatment planning - Recontouring of alveolar ridges - Tori removal - Soft tissue abnormalities - Mandibular augmentation - Maxillary augmentation - Soft tissue surgery for ridge extensions 	Dr Malkawi
Surgical management of oral pathological lesions			
6	Principles of differential diagnosis and biopsy:	<ul style="list-style-type: none"> - Examination and diagnostic methods - Principles of biopsy <ul style="list-style-type: none"> -Aspiration, Incisional & Excisional biopsy - Soft tissue biopsy techniques and surgical principles - Hard tissue biopsy techniques 	Dr Malkawi
7	Surgical management of soft Tissue Benign tumors		Dr Ryalat
8	Surgical management of cysts and cyst-like lesions I	<ul style="list-style-type: none"> - Classification - Surgical goals 	Dr Malkawi
9	Surgical management of cysts and cyst-like lesions II:	Enucleation and Marsupialization: <ul style="list-style-type: none"> -Indications -Advantages, Disadvantages & Techniques 	Dr Malkawi
10	Principles of surgical management of odontogenic jaw tumors I:	<ul style="list-style-type: none"> - Classification - Aggressiveness of the lesion - Anatomical location of the lesion 	Dr Abu Karaky
11	Principles of surgical management of odontogenic jaw tumors II:	<ul style="list-style-type: none"> - Treatment with enucleation, curettage - Marginal or partial resection - Reconstructive efforts 	Dr Abu Karaky
12	Principles of surgical management of non-odontogenic jaw tumors:	<ul style="list-style-type: none"> - Types - Principles of management 	Dr Ryalat

13	Malignant tumors of the oral cavity I:	- Types & Presentations - Treatment planning	Dr Abu Karaky
14	Malignant tumors of the oral cavity II:	- Basics and principles of surgical management - Objectives of surgical treatment - Complications	Dr Abu Karaky
15	Malignant tumors of the oral cavity III:	- Non surgical management: -Radiotherapy & Chemotherapy	Dr Baqain
16	Principles of Oral & Maxillofacial reconstruction	- Physiology of bone healing - Principles of bone augmentation & reconstruction	Dr Baqain
Oral & Maxillofacial trauma			
17	Oral & Maxillofacial trauma I:	- Aetiology and epidemiology - Assessment and immediate management	Dr Ryalat
18	Oral & Maxillofacial trauma II:	- Soft tissue injuries: -Abrasions, contusions and lacerations - Dentoalveolar injuries: -History & examination -Classification & Treatment	Dr Ryalat
19	Oral & Maxillofacial trauma III (mandible):	- Classification and causes - Signs and symptoms - Examination and radiological evaluation - Principles of osteosynthesis	Dr Baqain
20	Oral & Maxillofacial trauma IV (mandible):	- Condylar fractures - Classification and causes - Signs and symptoms - Examination and radiological evaluation - Principles of treatment	Dr Baqain
21	Oral & Maxillofacial trauma V (facial fractures):	- Classification - Signs and symptoms - Examination and radiological evaluation - Principles of treatment	Dr Al-Ahmed
Surgical management of salivary glands diseases			
22	Salivary Glands diseases I:	- Diagnostic modalities - Infections - Obstructive salivary gland diseases - Mucous retention and extravasation cysts - Other salivary gland diseases	Dr Malkawi
23	Salivary Glands diseases II:	- Benign salivary gland diseases - Malignant salivary gland diseases	Dr Al-Ahmed
TMJ disorders			
24	Management of TMJ disorders I:	- Evaluation - Classification of TMJ disorders - Reversible treatment	Dr Ryalat
25	Management of TMJ disorders II:	- TMJ surgery	Dr Al-Ahmed
Dentofacial deformity			
26	Dentofacial deformity I:	- Causes of dentofacial deformity - Evaluation of patients - Presurgical treatment phase	Dr Al-Ahmed
27	Dentofacial deformity II (Surgical treatment phase):	- Types of mandibular osteotomies, & historical perspective - Types of maxillary osteotomies - Segmental osteotomies	Dr Abu Karaky

28	Dentofacial deformity III:	- Postoperative patient care - Complications - Distraction osteogenesis	Dr Malkawi
29	Dentofacial deformity IV:	- Management cleft lip and palate patients - Craniofacial syndromes	Dr Malkawi

References and supporting materials:

- Contemporary Oral and Maxillofacial Surgery. Peterson, Ellis, Hupp & Tucker, 4th edition.
- Medical Problems in Dentistry. Scully C and Cawson R, 5th edition.
- Journals;
 - Journal of American Dental Association
 - Dental Update
 - British Dental Journal
- <http://e-library/> on the University of Jordan website <http://library.ju.edu.jo/>
- <http://www.ncbi.nlm.nih.gov/pubmed/>