

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

Course Title: Oral Surgery 1 - Theory

Course Code: 1301465

Semester: 1st and 2nd.

Course coordinator: Dr. Hazem Al Ahmad

Instructors:

Name	E -Mail
Dr. Zaid Baqain	zbaqain@ju.edu.jo
Dr. Hazem Al Ahmad	halahmad@hotmail.com
Dr. Ziad Malkawi	zmelkawi@yahoo.co.uk
Dr. Ashraf Abu Karky	abukarky@yahoo.com
Dr. Soukaina Ryalat	salryalat@yahoo.com

Course objectives:

- To highlight the relevance of basic medical science in relation to oral surgery, by elaborating on clinical anatomy of the head and neck.
- To make students aware of the relevance of taking a proper medical history and conducting a comprehensive head and neck clinical examination.
- To emphasize the importance of safe clinical practice by covering medical problems relevant to dentistry and the management of medical emergencies.
- Making students aware of the principles of exodontia, indications and complications, the importance of dental infections, treatment and complications.

Learning outcomes:

A) Knowledge and understanding:

- Of the anatomy of the head and neck, and its relevance to the clinical practice of oral and maxillofacial surgery.
- Of the environment of the oral surgery clinic, cross infection, instruments and the relevance of in-patient theatre protocol. Also the principles of exodontia; indications and contra indications, including impacted teeth.
- Of the medical problems relevant to dentistry, the common diseases and their relation to oral diseases and their impact on surgical treatment. In addition, the effect of different common medications on the treatment.
- Of medical emergencies faced in the clinic and the management.
- Of infections originating from the oral cavity, principles of management, possible complications and management.

- Of the relevance of preprosthetic surgery and the different types of surgeries.

B) Intellectual skills:

- Ability to put forward a problem list for the patient then present a differential diagnosis list followed by a treatment plan.
- Ability to gather enough data to reach a diagnosis, based on integrating information from the history, clinical examination and radiography.

C) Subject specific skills:

- The ability to make a correct diagnosis leading to a definitive treatment plan.
- The basics of simple and complex exodontia and the appreciation of the vital structures in the field of surgery.
- The ability to justify surgical extractions, including lower third molars and impacted canines based on sound clinical judgment.

D) Transferable skills:

- To emphasize the importance of communication skills between peers and between clinicians and patients.
- To highlight the dangers of 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 2 hour final exam)

This subject is the theoretical part of Oral Surgery; it is supplemented by Clinical Oral Surgery 1. 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 and discussions 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

No	Title of Lecture	Subtitles	Lecturer
Introduction			
1	Introduction and preoperative health status evaluation		Dr Zaid
2	Infection control in surgical practice		Dr Soukaina
Exodontia			
3	Principles of uncomplicated exodontia I:	- Armamentarium for basic oral surgery - Indications & contraindications for removal of teeth	Dr Soukaina

4	Principles of uncomplicated exodontia II:	- Clinical & radiographic evaluation of teeth for removal. - Patient and surgeon preparations - Anatomical considerations - Postextraction care	Dr Soukaina
5	Principles of complicated exodontia I:	- Flap designs development and management	Dr Zaid
6	Principles of complicated exodontia II:	- Principles and techniques of surgical extractions. - Multiple extractions	Dr Zaid
7	Principles and management of impacted teeth I:	- Indications and contra-indications for removal. - Classifications of impacted mandibular 3rd molars	Dr Hazem
8	Principles and management of impacted teeth II:	- Principles of surgical techniques - Perioperative patient management	Dr Hazem
9	Principles and management of impacted teeth III:	- Impacted canines, supernumerary and others	Dr Ashraf
10	Principles of wound healing		Dr Ashraf
11	Suture materials and suturing techniques		Dr Soukaina
12	Prevention and management of surgical complications I:	- Prevention of complications - Soft tissue injuries - Injuries to vital structures	Dr Ziad
13	Prevention and management of surgical complications II:	- Oro-antral communications - Postoperative bleeding - Delayed healing and infection	Dr Ziad
14	Management of hospitalized patients.		Dr Hazem
Endodontic surgery			
15	Principles of endodontic surgery		Dr Ashraf
Odontogenic infections			
16-17	Principles of management and prevention of odontogenic infections	- Microbiology - Natural history of progression - Principles of prevention of infection	Dr Ziad
18-19	Complex odontogenic infections I:	- Facial space infections	Dr Hazem
20	Complex odontogenic infections II:	- Osteomyelitis	Dr Ashraf
21	Pain control in oral and maxillofacial surgery		Dr Zaid
22	Antibiotics in oral and maxillofacial surgery		Dr Soukaina
Laser			
23	Laser in oral surgery:	- Definition & Types - Clinical applications and indications	Dr Ryalat
Maxillary sinus			
24	Odontogenic diseases of the maxillary sinus		Dr Soukaina
Medical problems			
25	Prevention and management of medical emergencies in dental practice		Dr Ziad
26	Management of patients with systemic diseases I:	Cardiovascular disease	Dr Hazem
27-28	Management of patients with systemic diseases II:	Bleeding disorders	Dr Zaid

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.