

1	Course title	Oral and Maxillofacial Surgery II; second year residency
2	Course number	1301702
3	Credit hours (theory, practical)	12 (2 Theory, 10 clinical)
	Contact hours (theory, practical)	
4	Prerequisites/corequisites	Oral and Maxillofacial Surgery I
5	Program title	Higher Specialization in Oral and Maxillofacial Surgery
6	Program code	NA
7	Awarding institution	The University of Jordan
8	Faculty	Faculty of dentistry
9	Department	Department of Oral Surgery, Oral Medicine and Periodontology
10	Level of course	Postgraduate
11	Year of study and semester (s)	Second year
12	Final Qualification	Higher Specialization in Oral and Maxillofacial Surgery (CCST)
13	Other department (s) involved in teaching the course	Faculty of Medicine
14	Language of Instruction	English
15	Date of production/revision	Dec. 2018

#### 16. Course Coordinator:

*Office numbers, office hours, phone numbers, and email addresses should be listed.*

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#### 17. Other instructors:

*Office numbers, office hours, phone numbers, and email addresses should be listed.*

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**18. Course Description:**

Second year OMFS residency covers the different aspects of oral surgery (impacted teeth, peri-apical surgery, preprosthetic surgery, etc.). In addition, to jaw pathology (Odontogenic and non Odontogenic cysts and tumours) as well as medical problems. Also, included during this year rotations (2 months each) in internal medicine, ENT and general anaesthesia and intensive care (Annex 1). Second year residents, are on an onsite on call rota (1 in 3), during their on call they cover ER and inpatients.

**19. Course aims and outcomes:****A- Aims:**

The main aim of this course is to provide second year residents with the necessary training and knowledge to independently carry out oral surgical procedures, including the management of inpatients and medically compromised patients in an outpatient setting.

**B- Intended Learning Outcomes (ILOs):****1. Knowledge and understanding:**

- I. Of the anatomy of the head and neck, and its relevance to the clinical practice of oral and maxillofacial surgery.
- II. Of the environment of the oral surgery clinic, cross infection control measures, and in-patient theatre protocol. Also the principles of minor surgery; indications and contra indications, emphasizing on managing impacted teeth.
- III. 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 in an outpatient setup.
- IV. Of medical emergencies faced in the clinic and the management.
- V. Of infections originating from the oral cavity, principles of management, possible complications and management.
- VI. Of the relevance of preprosthetic surgery and the different types of surgeries.

**2. Intellectual skills:**

- I. Ability to present interesting cases in clinicopathological conferences II. Ability to critically review literature
- III. Ability to put forward a problem list for the patient then present a differential diagnosis list followed by a treatment plan.
- IV. Ability to gather enough data to reach a diagnosis, based on integrating information from the history, clinical examination and radiography.

**3. Subject specific skills:**

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

**4. Transferable skills:**

- I. To exert ability in communicating with peers, staff and patients.
- II. To raise comments on side effects and complications of treatments, and be able to present them in meetings and give possible solutions to prevent recurrence.

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**20. Topic Outline and Schedule:**

Title of Lecture	Subtitles
Admission procedures A & E protocol at JUH:	<ul style="list-style-type: none"><li>- Medication charts</li><li>- Surgical rounds and medication chart</li><li>- Discharge and follow up</li></ul>

Principles of oral surgery:	<ul style="list-style-type: none"> <li>- Principles of wound healing</li> <li>- Suture materials and suturing techniques</li> <li>- Flap designs development and management</li> </ul>
Management of impacted teeth I:	<ul style="list-style-type: none"> <li>- Indications and contra-indications for M3 removal.</li> <li>- Classifications of impacted mandibular 3rd molars</li> <li>- Principles of surgical techniques</li> <li>- Perioperative patient management</li> <li>- Complications and their management</li> </ul>
Management of impacted teeth II:	<ul style="list-style-type: none"> <li>- Impacted canines, supernumerary and others</li> </ul>
Endodontic surgery and preprosthetic surgery:	<ul style="list-style-type: none"> <li>- Indications</li> <li>- Surgical technique</li> <li>- Materials</li> </ul>
Orofacial infections I :	<ul style="list-style-type: none"> <li>- Aetiology and microbiology</li> <li>- Pathophysiology</li> <li>- Anatomy</li> </ul>
Orofacial infections II:	<ul style="list-style-type: none"> <li>- Management</li> </ul>
Jaw pathology I:	<ul style="list-style-type: none"> <li>- Odontogenic and non odontogenic cysts</li> </ul>
Jaw pathology II:	<ul style="list-style-type: none"> <li>- Odontogenic and non odontogenic tumours</li> </ul>
Cardiovascular disease and OMFS:	<ul style="list-style-type: none"> <li>- Hypertension</li> <li>- Ischemic heart disease</li> <li>- Cardiac disease</li> <li>- Medications</li> </ul>
Endocrine disease and OMFS:	<ul style="list-style-type: none"> <li>- DM</li> <li>- Thyroid disease</li> <li>- Others</li> </ul>
GIT disease and OMFS:	<ul style="list-style-type: none"> <li>- IBD</li> <li>- Hepatobiliary disease</li> </ul>
CNS/orthopaedic diseases:	<ul style="list-style-type: none"> <li>- Osteoarthritic diseases</li> <li>- Alzheimer's disease</li> </ul>
Hematological diseases:	<ul style="list-style-type: none"> <li>- Anaemias</li> <li>- Leukemias</li> <li>- Thrombocytopenia</li> </ul>

Other medical issues:	<ul style="list-style-type: none"> <li>- Pregnancy</li> <li>- Geriatric patients</li> </ul>
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## 21. Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

1. Lectures/seminars: 14 one hour lecture/seminar
2. Teaching ward rounds
3. Consultation clinics, operating theatres and the emergency room
4. Courses and workshop

## 22. Evaluation Methods and Course Requirements:

Opportunities to demonstrate achievement of the ILOs are provided through the following assessment methods and requirements:

1. Bimonthly assessment based on direct observation
2. Final written exam
3. Final clinical exam
4. Final oral exam

## 23. Course Policies:

A- Attendance policies: daily attendance is mandatory, and so is the oncall cover. This is monitored by the hospital administration as it is a requirement in the contract. Residents are allowed annual leave.

B- Absences from exams and handing in assignments on time: make up exam is allowed if an acceptable leave of absence is presented in appropriate time

C- Health and safety procedures: hospital policies are in place.

D- Honesty policy regarding cheating, plagiarism, misbehavior: misconduct procedures are in place abiding by University bylaws and regulations E- Grading policy:

Grades are converted to a grading system based on A, A-, B+, B, B-, C+. Anything below that is fail.

F- Available university services that support achievement in the course:

- Medical and main libraries
- Postgraduate reading room with internet access
- Access to e journal and books

## 24. Required equipment:

All necessary equipment for the clinical training are provided by the Hospital

## 25. References:

A- Recommended books, materials, journals and media:

- Scully's medical problems in dentistry. By Crispian Scully. 7th edition (2014). Churchill Livingstone
- Contemporary Oral and Maxillofacial Surgery. By James R. Hupp, Myron R. Tucker , Edward Ellis III. 6th edition (2013). Mosby
- On-call in Oral and Maxillofacial Surgery Paperback. By Karl F. B. Payne, Alexander M. C. Goodson, Arpan S. Tahim. 1st edition (2014). Libri publishing
- The British journal of oral & maxillofacial surgery
- Journal of oral and maxillofacial Surgery
- Oral surgery, oral medicine, oral pathology and oral radiology
- The international journal of oral and maxillofacial Surgery
- Oral and maxillofacial surgery clinics of North America

**26. Additional information:**

This is a full time course with oncall duties, completion of this program allows the graduate to set for the exist examinations of the specialty organized by the Jordan Medical Council.

Name of Course Coordinator: -----Signature: ----- Date: -----

Head of curriculum committee/Department: ----- Signature: -----

Head of Department: ----- Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- -Signature: -----

Copy to:  
 Head of Department  
 Assistant Dean for Quality Assurance  
 Course File

## Annex 1

### Internal Medicine

**General Description**

This rotation of eight weeks is intended to be a structured clinical course, under direct supervision, designed to provide OMFS residents with the knowledge contributing to the diagnoses, care and treatment of cardiovascular, respiratory and hematological diseases.

### **Purpose**

The main purpose of this rotation is to aid OMFS residents' transition from didactic to integrated clinical evaluation and patient management. Under supervision, residents are expected to assist in the management of acute and chronic general medical conditions. In addition to developing basic skills performing routine basic procedures under direct supervision.

### **Course Objectives**

To provide residents with additional knowledge and understanding in the following areas:

- Etiology, epidemiology, natural history, diagnosis, pathology, staging and management of a wide variety of neoplastic and hematologic disorders
- Chemotherapeutic drugs, growth factors and their mechanisms of action, clinical indications, and limitations
- Pain management, palliative care and psychosocial management of patients with hematologic and neoplastic disorders
- Diagnosis and management of hypertension
- Diagnosis and management of ischemic heart diseases
- Diagnosis and medical management of heart failure
- Diagnosis and medical management of common respiratory ailments.

### **Teaching methods**

- Lectures/seminars
- Consultation clinics
- Teaching ward rounds

### **Assessment:**

- Direct observation
- Final written exam

## Otolaryngology

### **General Description**

This rotation of eight weeks is intended to be a structured clinical course, under direct supervision, designed to provide OMFS residents with the knowledge contributing to the diagnoses, care and treatment of diseases of the ear, nose and throat regions.

### **Purpose**

The main purpose of this rotation is to aid OMFS residents' transition from didactic to integrated clinical evaluation and patient management. Under supervision, residents are expected to assist in the management of acute and chronic general medical conditions. In addition to developing basic skills performing routine basic procedures under direct supervision.

**Course Objectives**

To provide residents with knowledge, skill and understanding in the following areas:

- Ability to carry out a comprehensive clinical examination of the ears, nose, throat and neck
- Introduction to treatment planning of head and neck malignancies, and other complex otological, rhinological and head and neck disorders.
- Ability to manage common ENT emergencies, which include:
  - epistaxis ○ Otitis externa
  - Foreign bodies in the ear, nose and oropharynx ○ Acute oropharyngeal infections
- Specific skills in relation to the management of common ENT conditions, which include:
  - Nasal cautery
  - Foreign body removal from the ear canal and oropharynx ○ Micro-suction of the ears ○ Drainage of a quinsy
  - Reduction of simple nasal fractures
- Endoscopic examination in the out patient clinic
- Endoscopic examination in theatre with biopsy as appropriate of the ears, nose and throat
- Acquisition of basic surgical skills in disorders of the ears, nose, throat head and neck

**Teaching methods**

- Lectures/seminars
- Consultation clinics
- Teaching ward rounds

**Assessment:**

- Direct observation
- Final written exam

## Anaesthesia and intensive care

**General Description**

This rotation of eight weeks is intended to allow OMFS residents full participation in the anaesthetic management of the surgical cases scheduled for his/her team. The rotation will be spent in the operating theatre and the surgical intensive care unit

**Course Objectives**

To provide residents with knowledge, skill and understanding in the following areas:

- The anesthesiologist's role in patient care
- Principles of evaluation and preparation of the patient for surgery
- Management of intra-operative events
- Patient management in the post-operative phase
- Demonstrate skills in basic airway management
- Demonstrate procedural skills such as IV catheter placement, mask ventilation, intubation of simple cases.

**Teaching methods**

- Lectures/seminars
- Observation in operating theatre and intensive care unit



**Assessment:**

- Direct observation
- Final written exam

## Radiology

Objectives for the Radiology rotation for 2<sup>nd</sup> year Maxillofacial Residents:

The resident should be competent in:

- 1) Identifying 3D Radiographic anatomy
- 2) Identifying Radiological Signs of different categories of pathology in the maxillofacial area.
- 3) Selection criteria for the different imaging modalities.

The resident should be familiar with:

- 1) Basic physics background of different technologies in maxillofacial imaging.
- 2) Radiation protection theories and practices.