

**In the Name of God**

**Islamic Republic of Iran  
Ministry of Health and Medical Education  
Deputy Ministry for Education**

**Course title in English**

Oromaxillofacial Pain in Fellowship Program

**Program Description**

Establishing a relationship between medicine and dentistry is an important feature of oral and maxillofacial medicine dental specialty, which leads to promotion of the society's level of health and treatment of patients with special needs. Orofacial pain is a common complaint, however, since there is no separate field regarding orofacial pain, these patients can not be successfully referred. When this group of patients seek help from doctors and dentists, incorrect diagnosis and treatment often leads them to have additional health problems due to the prescription of inappropriate drugs. Based on the points mentioned, the planning of the country should be in such a way that it solves the lack of presence and efficiency of orofacial pain specialists in universities, hospitals and dental clinics.

**Definition**

One- year program specializing dentists in diagnosis and treatment of patients with pain and dysfunction of oromaxillofacial hard and soft tissue, headaches and musculoskeletal, neurologic and psychological pains.

## **Program Objectives**

- 1) This program stems from oral and maxillofacial specialty program and the main objectives achieved by the specialist are as follows
- 2) Increasing the level of knowledge and specialized scientific approaches regarding the diagnosis and treatment of pain and orofacial dysfunction
- 3) Differentiating between orofacial pain, headaches, musculoskeletal, neurologic and psychological pain
- 4) Evidence-based history taking and treatment plans, management of TMD and painful pathologies in the orofacial region
- 5) Providing high-quality treatment options
- 6) Providing scientific research to broaden the horizons of science
- 7) Based on the current intertwining of medical and dental fields, it seems logical to establish an oral medicine specialist specialized in the treatment of orofacial pains in hospitals and dental clinics

## **Expected Competencies at the End of the Program**

### **\*General Competencies**

### **Specific Competencies and Skills**

Providing novel examination and treatment methods

Doing research on the new protocols regarding care for orofacial pain patients

Doing research on new methods of educating doctors and dentists on theoretical and practical basics for the diagnosis and treatment of pain

Management of research centers for orofacial pain

Providing medical consult regarding methods of pain control and treatment for patients referred by general dentists or those specializing in other fields

#### **Educational Tasks**

Teaching topics related to orofacial pain and TMJ disorders

Providing new methods for examination, treatment and referral of patients in the form of seminars, educational pamphlets and guidelines to treatment centres for an improvement in patients' quality of lives

#### **Research**

Doing research on protocols regarding pain control and management in orofacial pain patients

#### **Therapeutic tasks**

Providing consultation letters for orofacial pain patients

Diagnosis and treatment of orofacial pain patients

#### **Management skills**

Managing research centers and papers regarding orofacial pain

Managing the establishment of pain clinics in various hospitals throughout the country

## **Main Services for Graduates**

Educating graduates on

- Interpersonal communication
- Specialized history taking
- Specialized patient assessment and physical examination
- Providing special diagnostic procedures regarding orofacial pain
- Creating patient files, documentation and assessment of medical documents

## **Main Field**

Oral Medicine, Orofacial Pain

## **Course Duration**

12 months: full-time program from 8 am to 4 pm

## **Admission Requirements**

1. Meeting the general requirements of entering an advanced program based on the guidelines set by the ministry of health, treatment and medical education
2. Board-certified oral medicine specialists, oral and maxillofacial surgeons and endodontists
3. Passing fellowship entrance exam
4. Passing the interview

## **Educational Strategies, Methods and Techniques**

Lecture  
Seminar and group discussion  
Clinical training  
Observation and consultation  
Literature review and case presentation

## **Overall Structure of the Course**

### **Program Details**

#### **Oral medicine ward**

**Duration:** 12 months

#### **Coordinator**

**Location:** Dentistry school - oral medicine ward

#### **Oral medicine ward, TMD and neurology wards**

**Duration:** 3 months

#### **Coordinator:**

**Location:** Dentistry school - Oral medicine and TMD ward, neurology ward

**TMJ, oral and maxillofacial surgery wards, ENT, joint physiotherapy wards  
Psychology clinics, neurology ward and radiology department**

**Duration: 7 months**

**Coordinator:**

**Location: Dentistry school, hospitals related to universities of medical sciences**

**Course titles: general, basic or clinical**

- **Dependent courses**

Head and neck neuroanatomy, physiology and psychology of pain, clinical ,pharmacology and therapeutics, basics of diagnosis and control of vascular neurological and psychological pain, diagnosis and management of intra oral and extra oral pain, diagnosis and management of muscular pain and TMD

- **Specialized and practical courses**

Oromaxillofacial pain

Clinical care for orofacial pain patients

Orofacial pain journal clubs

Ground rounds on orofacial pain

Oral medicine ground round

Psychology

Musculoskeletal pain

Headache and neurology rotations

Advanced radiology rotation

Extramural rotation [ ,anesthesia, TMJ, oral and maxillofacial surgery

,rehabilitation, otolaryngology]

Acupuncture

Laser and stem cells in orofacial pain management

## The general structure of the fellowship course

### 1. Theoretical Units

### 2. Specific practical units

Department , Ward, unit, or education setting	Syllabus- Measures Content- actions	Hours	Duration (month) Time of unit presentatio n
Oral medicine ward	<ul style="list-style-type: none"> <li>● Basic sciences.</li> <li>● Neuroanatomy of head and neck</li> <li>● Pain physiology and psychology</li> <li>● Diagnosis and management of vascular, neurological and psychological pain</li> <li>● Diagnosis and management of intraoral and extraoral pain</li> <li>● Muscular pain and TMD management</li> </ul>		2 months
,TMD ward neurology ward, Oral medicine and TMJ wards of the dentistry school	<ul style="list-style-type: none"> <li>● Orofacial pain seminars</li> <li>● Clinical management of orofacial pain patients</li> <li>● Journal club on papers on orofacial pain</li> <li>● Orofacial pain grand rounds</li> <li>● Oral medicine grand rounds</li> </ul>		1 month 2 months  Once a month  Once a week  Once a week
TMJ, oral and ,maxillofacial surgery ENT, joint ,physiotherapy wards ,anesthesia ,chiropractic remedies ,psychology neurology and radiology departments of linked hospitals	<ul style="list-style-type: none"> <li>● Extramural rotations</li> <li>● Psychology rotations</li> <li>● Neurology rotations</li> <li>● Advanced radiology rotation</li> </ul>		months ʃ month ʌ  months ʃ month ʌ

## **Evaluation of Students**

Every 3 months, theoretical knowledge, practical and clinical skills are assessed  
At the end of each rotation, the fellowship resident is assessed by the supervisor and the members of faculty

Logbook assessment

Portfolio assessment

OSCE exam

MCQ exam

Oral examination

A final assessment is also held by the end of the program



## References

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New jersey , USA. [http:// dental school umdnj .edu/](http://dental.school.umdnj.edu/)

2. International fellowship program

Kentucky .USA. <http://www.mc.uky.edu/>.

3. Pain fellow ship URMC university Rochester .USA

E-mail: MS. Sandra cardo so

4. Chronic pain fellowship .MCGill (MUHC) university .

Montreal. Canada. [http:// www.MCGILL.edu/](http://www.MCGILL.edu/).

5. chronic pain fellowship .tufts university Boston .

[http:// www.MCGILL.edu/](http://www.MCGILL.edu/)

6. Oro-facial pain fellowship .MGH university. Massachusetts. USA.

[http:// www.massgeneral.org/](http://www.massgeneral.org/).

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8. Barry j. Gilies j. Orofacial pain , form basic science to clinical management.

Second edition, 2008

9. Horry J. Cranio facial pain , neuro musculoskeletal assesment treatment and management .2007

10- Jeffery P. Okeson. Orofacial pain, guidline for assesment, diagnosis and

management.1996 11- Jeffery P. Okeson. Temporomandibular disorders and occlusion, sixth edition.2008

بر نامه آموزشی دوره تکمیلی تخصصی.....

شماره	عنوان کتاب	نویسنده	سال انتشار آخرین چاپ	آیا کتاب موجود و در دسترس فراگیران هست؟
۱	Orofacial pain , form basic science to clinical management	Barry j.Gilies j	2008	بله
۲	Cranio facial pain , neuro musculoskeletal assessment treatment and management	Horry J	2007	بله
۳	Orofacial pain, guideline for assessment, diagnosis and management	Jeffery P. Okeson	۲۰۰۵	بله
۴	Temporomandibular disorders and occlusion, sixth edition	Jeffery P. Okeson	2008	بله

- اسامی ژورنال ها

شماره	عنوان ژورنال	دفعات چاپ در سال	آیا این کتاب موجود و در دسترس فراگیران هست؟
۱	The journal of head and face pain	10 بار	بله
۲	Journal of the American academy of pain medicine	۸ بار	بله
۳	Journal of pain and	۱۲ بار	بله

### **The fellowship resident should participate in ...**

To successfully complete the fellowship program, fellow residents must

- Take part in theoretical classes, seminars, grand rounds, rotations and journal club and case presentation sessions
- Be present in clinics and participate in the diagnosis and treatment of patients with oral medicine specialists and other specialties
- Take part in exams
- Write articles for Iranian or International journals

### **The fellowship resident is also highly recommended to**

- Expand their knowledge on histopathology, genetics, immunology, PCR techniques
- Participate in joint journal clubs and discussion panels
- Visit at least 50 patients with different orofacial, atypical, neurological psychological and musculoskeletal pain

### **Minimum academic staff needed for running fellowship course**

Staff members with these specialties:

Oral medicine

Endodontics

Oral and maxillofacial surgery

Neurology

Rheumatology

Psychology

## **Well-informed staff required to run this program**

Same as above

## **Requirements**

- Hospital-based equipment will suffice

Faculty members participating in the fellowship program:

All faculty members should be oral medicine specialists and at least 2 members are required to carry on the fellowship pro

