

## In the Name of God

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

## Oral and Maxillofacial Pathology

Degree: Specialty equivalent to Master of Science (MSc)

### Total Course Credits

- Common basic sciences: 9.5
- Specific basic sciences: 14
- Faculty-presented related sciences 5
- Hospital-presented related sciences 25
- Core courses 66

### Program Description

Considering the ever-increasing rate of progress in science all over the world and in Iran and 30 years after the establishment of specialty courses in dentistry in Iran, it seems it is absolutely necessary to revise the curricula of these courses. One of the branches of science which has become very important since the second half of the 20th century and is always expanding in scope in the dental field is the field of maxillofacial pathology. This field attempts to establish a logical relationship between the anatomical findings and signs of different medical conditions of the oral cavity and the adjacent tissues. On the other hand, it can be claimed that the field of maxillofacial pathology bears the burden of basic research in other specialties in dentistry.

In this context, in order to comply with the developments made in other medical fields and promote the knowledge and practical skills of graduates in the field of maxillofacial pathology to national and international levels a committee was formed based on the guidelines of the Secretariat of Dental Specialty Courses, which consisted of the field's veteran professors, executive managers and some young experts and specialists in this field to take the responsibility of revising the curriculum of oral and maxillofacial pathology specialty course. The members of the committee thoroughly evaluated the previous educational curriculum, evaluated the new requirements and needs by considering the boundaries of knowledge, asked for opinions of other professors, veterans and experts and prepared a new curriculum for the specialty course of oral and maxillofacial pathology.

### Definition

Oral and maxillofacial pathology is one of the specialty courses in dentistry, which incorporates knowledge about the etiology, the disease courses, and identification and reporting of microscopic changes (histopathology) in tissues affected by various disease entities. In fact, this specialty field attempts to establish a logical relationship between anatomical findings and the signs of different disease conditions affecting the oral cavity and the adjacent tissues and structures. In addition, a large number of basic research studies in different dental branches are carried out in this field.

Graduates passing the specially exams held by the authorities of the Ministry of Health, Treatment and Medical Education will be certified as oral and maxillofacial pathology specialists.

### Duration of the course

The specialty course of oral and maxillofacial pathology lasts 3 years (6 semesters) and is a full-time course based on the guidelines of the Council for General and Specialty Dental Courses.

### Admission Requirements

- Holding an DDS or DMD degree
- Having passed the National Entrance Exam

### Expected Competencies at the End of the Program      General Competencies\* Specific Competencies and Skills

At the end of the program learners will be competent in the following skills:

- Histopathologic diagnosis of diseases, lesions, traumas, congenital defects, acquired infections, traumatic and developmental anomalies and benign and malignant neoplasms of the oral and maxillofacial region
- Ability to carry out research and teach in the relevant field
- Ability to relationship between anatomical and clinico-radiographic findings and histopathologic features of different disease affecting the oral cavity and the adjacent tissues and structures

### Educational Strategies, Methods and Techniques\*

#### Student Assessment (Methods and Types)

- Formative
- Summative
- Comprehensive exam

### Ethical Considerations\*

\*Note: The related document(s) can be found at <http://hcmep.behdasht.gov.ir/>.

### Tables of the Courses

**Table 1. The common basic sciences courses in oral and maxillofacial pathology MSc**

Code of the course	Course title	Units and the course types			Total hours of the courses			Total units	Prerequisites
		Theoretical	Practical	Workshop	Theoretical	Practical	Workshop		
1	Medical education (1)	-	-	1	-	-	51	1	

2	Medical education (2)	-	-	2	-	-	102	2	
3	Research methods and EBD	-	-	2	-	-	102	2	
4	Clinical photography*	-	-	1	-	-	51	1	
5	Medical emergencies*	-	-	0.5	-	-	24	0.5	
6	Medical laws and professional ethics	-	-	1	-	-	51	1	
7	Infection control and patient safety*	-	-	1	-	-	51	1	
8	Clinical management and authority*	-	-	1	-	-	51	1	
<b>Total</b>				<b>9.5</b>			<b>483</b>	<b>9.5</b>	

\* These courses are optional.

**Table 2. The specific basic sciences courses in oral and maxillofacial pathology MSc**

Code of the course	Course title	Units and the course types			Total hours of the courses			Total units	Prerequisites
		Theoretical	Practical	Workshop	Theoretical	Practical	Workshop		
9	General pathology	4	-	-	68	-	-	4	
10	Head and neck anatomy	2	-	-	34	-	-	2	14,15
11	Basic immunology	1	-	-	17	-	-	1	
12	Oral histology	1	-	-	17	-	-	1	14,15
13	Oral histology	-	1	-	-	34	-	1	12
14	General histology	1	-	-	17	-	-	1	
15	General histology	-	1	-	-	34	-	1	14
16	Molecular biology	1	-	-	17	-	-	1	
17	Molecular biology	-	2	-	-	68	-	2	
<b>Total</b>		<b>10</b>	<b>4</b>	<b>-</b>	<b>170</b>	<b>136</b>	<b>-</b>	<b>14</b>	<b>-</b>

**Table 3. The faculty-presented related sciences courses in oral and maxillofacial pathology MSc**

Code of the course	Course title	Units and the course types			Total hours of the courses			Total units	Prerequisites
		Theoretical	Practical	Workshop	Theoretical	Practical	Workshop		

18	Principles of personal protection and safety in the laboratory	-	-	1	-	-	51	1	
19	Oral diseases	1	-	-	17	-	-	1	
20	Oral diseases	-	1	-	-	34	-	1	19
21	Oral and maxillofacial surgery	-	1	-	-	34	-	1	
22	Oral radiology	1	-	-	17	-	-	1	
<b>Total</b>		<b>2</b>	<b>2</b>	<b>1</b>	<b>34</b>	<b>68</b>	<b>51</b>	<b>5</b>	<b>-</b>

**Table 4. The hospital-presented related sciences courses in oral and maxillofacial pathology MSc**

Code of the course	Course title	Units and the course types			Total hours of the courses			Total units	Prerequisites
		Theoretical	Practical	Workshop	Theoretical	Practical	Workshop		
23	General pathology (hospital)	17		-	One semester		-	17	9,36,37
24	Pathology of ear, throat and nose	-	1	-	-	34	-	1	
25	Dermapathology	-	2	-	-	68	-	2	14,15
26	Dermatology	-	1	-	-	34	-	1	9
27	Ear, throat and nose clinic	-	1	-	-	34	-	1	
28	Neuropathology	-	1	-	-	34	-	1	9
29	Hematopathology	-	1	-	-	34	-	1	9,14,15
30	Hematology	-	1	-	-	34	-	1	9,14,15
<b>Total</b>		<b>25</b>		<b>-</b>	<b>850</b>		<b>-</b>	<b>25</b>	<b>-</b>

**Table 5. The core courses in oral and maxillofacial pathology MSc**

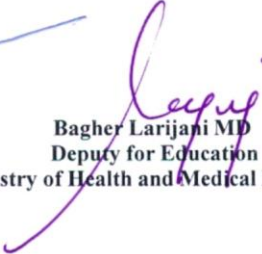
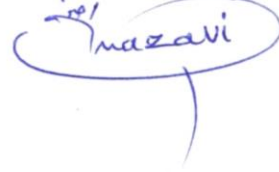
Code of the course	Course title	Units and the course types			Total hours of the courses			Total units	Prerequisites
		Theoretical	Practical	Workshop	Theoretical	Practical	Workshop		
31	Oral and maxillofacial pathology (1)	3	-	-	51	-	-	3	
32	Oral and maxillofacial pathology (2)	2	-	-	34	-	-	2	31

33	Oral and maxillofacial pathology (3)	3	-	-	51	-	-	3	32
34	Oral and maxillofacial pathology (4)	4	-	-	68	-	-	4	33
35	Oral and maxillofacial pathology (5)	5	-	-	85	-	-	5	34
36	Oral and maxillofacial pathology (1)	-	3	-	-	102	-	3	
37	Oral and maxillofacial pathology (2)	-	3	-	-	102	-	3	36
38	Oral and maxillofacial pathology (3)	-	3	-	-	102	-	3	37
39	Oral and maxillofacial pathology (4)	-	3	-	-	102	-	3	38
40	Oral and maxillofacial pathology (5)	-	5	-	-	170	-	5	39
41	Literature review (1)	2	-	-	34	-	-	2	40
42	Literature review (2)	2	-	-	34	-	-	2	41
43	Literature review (3)	2	-	-	34	-	-	2	42
44	Pass and writing reports (1)	-	2	-	-	68	-	2	
45	Pass and writing reports (2)	-	4	-	-	136	-	4	44
46	Pass and writing reports (3)	-	4	-	-	136	-	4	45
47	Pass and writing reports (4)	-	4	-	-	136	-	4	46
48	Thesis (1)	-	-	2	-	-	102	2	
49	Thesis (2)	-	-	2	-	-	102	2	48
50	Thesis (3)	-	2	-	-	68	-	2	49
51	Thesis (4)	-	-	2	-	-	102	2	50
52	Thesis (5)	-	-	2	-	-	102	2	51
53	Participation in teaching oral pathology (1)	-	1	-	-	34	-	1	14,15
54	Participation in teaching oral pathology (2)	-	1	-	-	34	-	1	53
<b>Total</b>		<b>23</b>	<b>35</b>	<b>8</b>	<b>391</b>	<b>13-94</b>	<b>408</b>	<b>66</b>	<b>-</b>

Saeed Asgary DDS  
Secretariat of the Council for Dental  
Education (Undergraduate and Postgraduate)



Seyed Mansour Razavi MD  
Secretary of the Supreme Council  
for Medical Sciences Planning



Bagher Larijani MD  
Deputy for Education  
Ministry of Health and Medical Education