

In the Name of God

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

**Oral and Maxillofacial Radiology
Degree: Specialty equivalent to Master of Science**

Total Course Credits

- Common basic sciences: 9.5
- Specific basic sciences: 1
- Faculty-presented related sciences 6
- Hospital-presented related sciences 13
- Core courses 93

Program Description

Definition

Oral and maxillofacial radiology is one of the specialty courses in dentistry, which deals with the principles of physics and radiation protection, imaging techniques and interpretation of lesions. Graduates passing the specialty exams held by the authorities of the Ministry of Health, Treatment and Medical Education will be certified as oral and maxillofacial radiologists.

The General Aim

The aim of the curriculum in the field of oral and maxillofacial radiology is to train specialists who have achieved the standards of knowledge, beliefs and opinions and practical skills up to national and global standards. In addition, the graduates should be able to provide high-quality diagnostic services and have an active role in expanding the boundaries of knowledge and research within the framework of their specialty field.

The Specific Aims

The graduates of the oral and maxillofacial radiology specialty course should have acquired following skills:

- Complete mastery of the principles of the physics of imaging, radiobiology, radiation protection, and intraoral and extraoral imaging in the oral and maxillofacial region
- Complete mastery of the normal radiologic features and changes in disease conditions and interpretation of different radiographic images of the oral and maxillofacial region
- Active participation in educational and research affairs of the field

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:

- Perform imaging procedures in oral and maxillofacial field
- Interpret dental and medical images in the field of face and related structures
- Manage an oral and maxillofacial radiology service
- Research in related fields
- Instruct in oral and maxillofacial field

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://hcmeq.behdasht.gov.ir/>.

Tables of the Courses

Table 1. The common basic sciences courses in Oral and Maxillofacial Radiology MSc

Code of the course	Course title	Units and the course types			Total hours of the courses			Total units
		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	-	-	51	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
Total		-	-	9.5	-	-	510	9.5

*These courses are optional and the post-graduate students should select at least 1 unit.

Table 2. The specific basic sciences courses in Oral and Maxillofacial Radiology MSc

Code of the course	Course title	Units and the course types			Total hours of the courses			Total units
		Theoretical	Practical	Workshop	Theoretical	Practical	Workshop	
9	Head and neck anatomy	-	1	-	-	34	-	1
Total		-	1	-	-	34	-	1

Table 3. The faculty-presented related sciences courses in Oral and Maxillofacial Radiology MSc

Code of the course	Course title	Units and the course types			Total hours of the courses			Total units
		Theoretical	Practical	Workshop	Theoretical	Practical	Workshop	
10	Osteology	-	1	-	-	34	-	1
11	Oral and maxillofacial pathology	-	2	-	-	68	-	2
12	Principles of dental implants	-	1	-	-	34	-	1
13	Oral and maxillofacial diseases	-	2	-	-	68	-	1
Total		-	6	-	-	204	-	6

Table 4. The hospital-presented related sciences courses in Oral and Maxillofacial Radiology MSc

Code of the course	Course title	Units and the course types			Total hours of the courses			Total units
		Theoretical	Practical	Workshop	Theoretical	Practical	Workshop	
14	Diseases of ear nose and throat	-	2	-	-	68	-	2
15	Head and neck imaging (1)	-	3	-	-	102	-	3
16	Head and neck imaging (2)	-	3	-	-	102	-	3
17	Head and neck imaging (3)	-	3	-	-	102	-	3
18	Oral and maxillofacial surgeries	-	2	-	-	68	-	2
Total		-	13	-	-	442	-	13

Table 5. The core courses in Oral and Maxillofacial Radiology MSc

Code of the course	Course title	Units and the course types			Total hours of the courses			Total units	
		Theoretical	Practical	Workshop	Theoretical	Practical	Workshop		
19	Applied anatomy	1	-	-	17	-	-	1	
20	Case presentation (1)	-	2	-	-	68	-	2	
21	Case presentation (2)	-	2	-	-	68	-	2	20
22	Case presentation (3)	-	2	-	-	68	-	2	21
23	Case presentation (4)	-	2	-	-	68	-	2	22
24	Case presentation (5)	-	2	-	-	68	-	2	23
25	The principles of special imaging techniques (CT, MRI, ultrasound, MRI)	1	-	-	17	-	-	1	
26	Literature review (1)	1	-	-	17	-	-	1	
27	Literature review (2)	1	-	-	17	-	-	1	26
28	Literature review (3)	1	-	-	17	-	-	1	27
29	Literature review (4)	1	-	-	17	-	-	1	28
30	Literature review (5)	1	-	-	17	-	-	1	29
31	Literature review (6)	1	-	-	17	-	-	1	30
32	Thesis (1)	-	-	2	-	-	102	2	
33	Thesis (2)	-	-	2	-	-	102	2	31
34	Thesis (3)	-	2	-	-	68	-	2	32
35	Thesis (4)	-	-	2	-	-	102	2	33
36	Thesis (5)	-	-	2	-	-	102	2	34
37	Interpretatio	4	-	-	68	-	-	4	35

	n of lesions (1)								
38	Interpretation of lesions (2)	4	-	-	68	-	-	4	
39	Interpretation of lesions (3)	4	-	-	68	-	-	4	
40	Interpretation of lesions (4)	4	-	-	68	-	-	4	
41	Interpretation of lesions (5)	4	-	-	68	-	-	4	
42	Interpretation of lesions (6)	4	-	-	68	-	-	4	
43	Interpretation of lesions (1)	-	2	-	-	68	-	2	
44	Interpretation of lesions (2)	-	2	-	-	68	-	2	
45	Interpretation of lesions (3)	-	2	-	-	68	-	2	
46	Interpretation of lesions (4)	-	2	-	-	68	-	2	
47	Interpretation of lesions (5)	-	2	-	-	68	-	2	
48	Interpretation of lesions (6)	-	2	-	-	68	-	2	
49	Radiobiology and radiation protection	2	-	-	34	-	-	2	
50	Intraoral radiography	1	-	-	17	-	-	1	
51	Intraoral radiography (1)	-	1	-	-	34	-	1	
52	Intraoral radiography (2)	-	1	-	-	34	-	1	51
53	Intraoral radiography (3)	-	1	-	-	34	-	1	52
54	Extraoral	1	-	-	17	-	-	1	

	radiography								
55	Extraoral radiography (1)	-	1	-	-	34	-	1	
56	Extraoral radiography (2)	-	1	-	-	34	-	1	55
57	Extraoral radiography (3)	-	1	-	-	34	-	1	56
58	Extraoral radiography (4)	-	1	-	-	34	-	1	57
59	Extraoral radiography (5)	-	2	-	-	68	-	2	58
60	Intra-department seminar (1)	-	-	1	-	-	51	1	
61	Intra-department seminar (2)	-	-	1	-	-	51	1	60
62	Intra-department seminar (3)	-	-	1	-	-	51	1	61
63	Intra-department seminar (4)	-	-	1	-	-	51	1	62
64	Intra-department seminar (5)	-	-	1	-	-	51	1	63
65	Physical principles of imaging	3	-	-	51	-	-	3	
66	Participation in training students (1)	-	2	-	-	-	68	2	
67	Participation in training students (2)	-	2	-	-	-	68	2	66
68	Participation in training students (3)	-	2	-	-	-	68	2	67
69	Participation in training students (4)	-	2	-	-	-	68	2	68
	Total	39	41	13	663	1394	663	93	-

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