



KALINGA INSTITUTE OF DENTAL SCIENCES

Serving through Exemplary Oral Health Care, Education & Research



**MASTER OF DENTAL SURGERY (MDS)
ORAL MEDICINE & RADIOLOGY**

Program Outcomes

At the end of the program, post graduates will be able to...

PO1 : Demonstrate comprehensive knowledge of the applied anatomy of the face and oral cavity, the physiologic processes, pathologic processes and pharmacological applications.

PO2 : Describe the etiopathogenesis, clinical and radiographic manifestations, investigations, differential diagnosis and management of oro-facial disorders, systemic diseases and maxillofacial trauma.

PO3 : Discuss the dental considerations and management of medically compromised patients and patients with special needs.

PO4 : Explain the clinical and radiographic features, investigations, differential diagnosis and management of various syndromes affecting the head and neck.

PO5 : Discuss the evolution of radiology, physics, biologic effects, protection measures, principles and procedures of conventional and advanced imaging of the head and neck.

PO6 : Outline the principles, clinical and radiographic aspects of Forensic odontology.

PO7 : Demonstrate a working knowledge of the medico-legal aspects while handling patients in the dental clinic.

PO8 : Diagnose, prevent and manage diseases affecting the oral and para-oral structures through established standard protocols by evaluation of the patient's dental and medical history, systemic examination and investigations.

Paper 1

COURSE OUTCOMES:

Part - 1

1. The student would demonstrate sound theoretical knowledge and understanding of basic relevant sciences namely, the applied anatomy of the face and oral cavity, the basic physiologic processes, pathologic processes and the basics of pharmacologic applications
2. The student would be proficient in physical examination of the patient, identification of normal and abnormal functioning of the various systems of the body.
3. Should have an understanding of the broad range of infection diseases affecting the oral cavity.
4. should have an understanding the clinical and biological factors to be considered in the appropriate use of antimicrobial drugs

Mapping of COs to POs

Program: MDS in Oral Medicine & Radiology

Course: Part I - Applied Anatomy

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	✓		✓		✓			✓
CO2		✓					✓	
CO3	✓		✓		✓			
CO4	✓		✓		✓			✓
CO5		✓					✓	

PO = Program Outcome

CO = Course Outcome

Name of the Course	Employability	Entrepreneurship	Skill development
Part I – Applied Basic	Y		Y

COURSE OUTCOMES:

Part - 2

On completion of the course,

1. The student would possess ample understanding and knowledge of diagnosis and diagnostic methods, ionizing radiation, its applications in dentistry and its limitations.
2. The student would be proficient in detailed physical examination of the oral and para oral structures, identification of pathologies and techniques involved in conventional and advanced diagnostic radiographic examination.
3. Apply high moral and ethical standards while carrying out clinical and radiographic examinations

Mapping of COs to POs

Program: MDS in Oral Medicine & Radiology

Course: Part II – Paper 1

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	✓		✓	✓		✓	✓	
CO2		✓			✓			✓
CO3	✓		✓	✓			✓	

PO = Program Outcome

CO = Course Outcome

Name of the Course	Employability	Entrepreneurship	Skill development
Part I – paper 1	Y	Y	Y

Paper 2

COURSE OUTCOMES:

Part - 2

On completion of the course,

1. The student would be proficient in describing the etiology, pathophysiology, principles of diagnosis and management of common oro facial disorders.
2. The student would be proficient in formulating a differential diagnosis and investigations plan and frame the treatment strategy.
3. The student would develop communication skills and ability to explain the disease process to the patient and to obtain a informed consent from the patient

Mapping of COs to POs

Program: MDS in Oral Medicine & Radiology

Course: Part II – Paper 2

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO1 1	PO1 2	PO1 3	PO1 4
CO1	✓		✓			✓	✓		✓			✓		
CO2		✓			✓			✓			✓			✓
CO3	✓		✓				✓		✓				✓	

PO = Program Outcome

CO = Course Outcome

Name of the Course	Employability	Entrepreneurship	Skill development
Part I – paper 2	Y	Y	Y

Paper 3

Course out comes

Part - 2

On completion of the course,

1. The student would be proficient in effectively and freely analyzing the problem presented by recalling factually.
2. The student would be an expert at synthesizing ideas and rendering a suitable opinion of the problem presented.
3. student would develop communication skills and ability to explain the disease process to the patient with various treatment options best suited for the patient.

Mapping of COs to POs

Program: Essay

Course: Part II – Paper 3

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
CO1	✓		✓	✓		✓	✓	
CO2		✓			✓			✓
CO3	✓		✓	✓			✓	

PO = Program Outcome

CO = Course Outcome

Name of the Course	Employability	Entrepreneurship	Skill development
Part I – paper 4	Y	Y	Y