



**KALINGA INSTITUTE OF DENTAL SCIENCES**

*Serving through Exemplary Oral Health Care, Education & Research*



**MASTER OF DENTAL SURGERY (MDS)  
ORAL AND MAXILLOFACIAL  
SURGERY**

## **PROGRAM OUTCOMES**

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

PO1: Practice with apt knowledge and understanding of etiology, pathophysiology and diagnosis, appropriate treatment planning of various oral and maxillofacial surgical problems.

PO2: Manage and treat minor oral surgical procedures and common maxillofacial surgery both surgically and medically with competence (if required multispecialty approach).

PO3: Apply basic sciences and general surgical principles to pre and post-surgical management particularly evaluation, post-surgical care, fluids and electrolyte management, blood transfusion and post-surgical pain, management.

# PAPER - 1

## COURSE OUTCOMES

### Part - 1

1. Should have a thorough knowledge on theory and principles in general and basic medical subjects as relevant to the practice of maxillofacial surgery.
2. Should have knowledge of application of basic science knowledge in diagnosis, treatment and pre and post-operative care of a patient.
3. Should have adequate knowledge in bio-statistics, epidemiology, research methodology, nutrition and computers and be able to apply it in various research projects as well as dissertations
4. Should have an understanding the clinical and biological factors to be considered in the appropriate use of various drugs used pre and post-operative phase.
5. Should have an understanding of hospital acquired infections and infections in the compromised host.

### Mapping of COs to POs

**Program:** MDS in Oral and maxillofacial Surgery

**Course:** Part I -Applied basic sciences

	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 sciences	Y		Y

## **Part – 2**

### **COURSE OUTCOMES:**

1. To have a basic understanding on the principles of surgery, diagnosis of the pathology in the oral cavity and head & neck region and to perform the accurate minor surgical procedures for the treatment of the pathology under local anaesthesia in a surgical field free of excess blood and fluids.
2. To have a basic knowledge and could be able to perform minor surgical procedures such as trans-alveolar extraction, impacted tooth, periapical surgeries, pre prosthetic surgeries, biopsy etc independently without hampering the normal anatomical structures.
3. To have a basic idea about the maxillofacial fractures, diagnosis and management that includes both open and close reduction (IMF, splints etc)

### **Mapping of COs to POs**

- **Program:**MDS in Oral and maxillofacial Surgery
- **Course: Part II Paper 1** – Minor oral surgery and maxillofacial trauma

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

- **PO** = Program Outcome
- **CO** = Course Outcome

<b>Name of the Course</b>	<b>Employability</b>	<b>Entrepreneurship</b>	<b>Skill development</b>
Part II Paper I – Minor surgery & Maxillofacial Trauma	Y		Y

## PAPER - 2

### COURSE OUTCOMES:

#### Part – 2

2. To diagnose the deformity in the head and neck region clinically as well as radiologically to identify the deformity and to have a proper treatment plan accordingly and to counsel the patient regarding the need of treatment.
3. To have a basic knowledge on the systemic diseases and its treatment so that it does not interfere with the maxillofacial injuries and to have capability to manage the maxillofacial injury patient peri-operatively. To have basic knowledge on General anaesthesia such as pre-anesthetic check up of the patient, medications used in General anaesthesia and intubation techniques.
4. To have a fine skill on treatment of various congenital deformities of head and neck of newborn such as clefts, proper reduction of [facial trauma](#), excision of the pathological tumours, proper treatment plan for head and neck carcinoma patients and excision and reconstruction of the excised regions so that it will not affect much to the lifestyle of the patient postoperatively.

### Mapping of COs to POs

**Program:** MDS in Oral and maxillofacial Surgery

**Course:** Part II Paper II - Maxillofacial Surgery

	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 II– Maxillofacial Surgery	Y		Y

# PAPER - 3

## COURSE OUTCOME

### Part – 3

5. To know about the several studies as well as different surgical procedures and its outcome that is being done on various topics of maxillofacial surgeries and recent advances throughout the world.
6. To have a basic idea on studies and could be able to conduct various studies related to different disciplines of maxillofacial surgeries and record its outcome in a proper manner and to evaluate the study statistically

### Mapping of COs to POs

**Program:**MDS in Oral and maxillofacial Surgery

**Course: Part II Paper III - :** Essay (Descriptive And Analysing Type Questions)

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

**PO** = Program Outcome

**CO** = Course Outcome

Name of the Course	Employability	Entrepreneurship	Skill development
Part III –Essay (Descriptive And Analysing Type Questions)		Y	Y