



KALINGA INSTITUTE OF DENTAL SCIENCES

Serving through Exemplary Oral Health Care, Education & Research



**MASTER OF DENTAL SURGERY (MDS)
CONSERVATIVE DENTISTRY AND ENDODONTICS**

Programme Outcome:

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

PO1: Demonstrate an understanding of basic sciences as relevant to conservative/restorative dentistry and Endodontics.

PO2 : Perform a physical and oral examination of the patient, identify normal and abnormal functioning of various systems of the body, take proper chair side history, examine the patient and perform medical and dental diagnostic procedures; as well as perform relevant tests and interpret them to come to a reasonable diagnosis about the dental condition.

PO3: Diagnose and recognize conditions that may require multidisciplinary approach or a clinical situation outside the realm of the specialty, which he or she should be able to recognize and refer to an appropriate specialist.

PO4: Perform infection control measures in the dental clinical environment and laboratories.

PO5: Adopt ethical principles in all aspects of restorative and contemporary Endodontics including non-surgical and surgical Endodontics.

PO6: Perform all levels of restorative work including Aesthetic procedures and treatment of complicated restorative procedures.

PO7: Describe and manage etiology, pathophysiology, periapical diagnosis and management of common endodontic situations that will include contemporary management of trauma and pulpal pathosis including endodontic-periodontic considerations.

PO8: Diagnose, plan and execute challenging clinical cases requiring comprehensive management strategies using contemporary materials and techniques in the specialty of conservative dentistry and endodontics.

PO9: Demonstrate communication skills in particular to explain various options available management and to obtain a true informed consent from the patient.

PO10: Apply moral and ethical standards while carrying on human or animal research.

PAPER - 1

Part - 1

COURSE OUTCOMES:

1. Students would be able to demonstrate understanding of basic sciences as relevant to conservative / restorative dentistry and Endodontics
2. Students would demonstrate infection control measures in the dental clinical environment and laboratories.
3. Student would adopt ethical principles in all aspects of restorative and contemporary Endodontics including non-surgical and surgical Endodontics
4. Students would be able to demonstrate communication skills in particular to explain various options available management and to obtain a true informed consent from the patient
5. Students would be able to apply high moral and ethical standards while carrying on human or animal research.

Mapping of COs to POs

Program: MDS in Conservative Dentistry and Endodontics

Course: Part I: Applied basic sciences

Name of the Course	Course Outcomes	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
Part I – Applied Basic Sciences	CO1	✓									
	CO2	✓					✓				
	CO3			✓			✓			✓	✓
	CO4		✓	✓		✓	✓	✓	✓	✓	
	CO5					✓					✓

PO = Program Outcome

CO = Course Outcome

Sl.No	Name of the Program	Name of the Course	Course Code	(Please Put a 'Y' Mark in the relevant area for the respective course)		
				Employability	Entrepreneurship	Skill development
1	MDS in Conservative Dentistry and Endodontics	Part I– Applied Basic Sciences		Y		Y

PAPER - 1

Part - 2

COURSE OUTCOMES:

1. Students would be able to describe aetiology, pathophysiology, diagnosis and management of common restorative situations, that will include contemporary management of dental caries, non-carious lesions and hypersensitivity.
2. Students would be able to take proper chair side history, examine the patient and perform medical and dental diagnostic procedures; as well as perform relevant tests and interpret them to come to a reasonable diagnosis about the dental condition
3. Perform all levels of restorative work including Aesthetic procedures and treatment of complicated restorative procedures.

Mapping of COs to POs

Program: MDS in Conservative Dentistry and Endodontics

Course: Part II:

Paper I: Conservative Dentistry

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	✓	✓	✓	✓		✓		✓		
CO2	✓	✓	✓		✓	✓		✓	✓	
CO3	✓	✓	✓			✓		✓		✓

PO = Program Outcome

CO = Course Outcome

Name of the Course	Employability	Entrepreneurship	Skill development
Part II: Paper I: Conservative Dentistry	Y		Y

PAPER - 2

Part - 2

Course Outcome:

1. Students would be able to describe aetiology, pathophysiology, periapical diagnosis and management of common endodontic situations that will include contemporary management of trauma and pulpal pathoses including endo-periodontal.
2. Students would be able to master differential diagnosis and recognize conditions that may require multidisciplinary approach or a clinical situation outside the realm of the specialty, which he or she should be able to recognize and refer to appropriate specialist
3. Students would undertake complete patient monitoring including preoperative as well as post operative care of the patient.
4. Students would perform all levels of surgical and non -surgical Endodontics including endodontic endosseous implants, retreatment as well as endodontic -periodontal surgical procedures as part of multidisciplinary approach to clinical condition
5. Students would be able to manage acute pulpal and pulpo periodontal situations.

Mapping of COs to POs

Program: MDS in Conservative Dentistry and Endodontics

Course: Part II:

Paper II: Endodontics

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1		✓		✓			✓	✓		
CO2	✓	✓	✓				✓	✓		
CO3								✓	✓	✓
CO4	✓				✓	✓	✓			
CO5					✓	✓				

PO = Program Outcome

CO = Course Outcome

Name of the Course	Employability	Entrepreneurship	Skill development
Part II: Paper II: Endodontics	Y		Y

PAPER - 3

Part - 2

COURSE OUTCOMES:

1. Students would diagnose, plan and execute challenging clinical cases requiring comprehensive management strategies using contemporary materials and techniques in the specialty of conservative dentistry and endodontics
2. . Should be able to analyze various clinical scenarios and apply their knowledge accordingly.

Mapping of COs to POs

Program: MDS in Conservative and Endodontics

Course: Part II:

Paper III: Descriptive Analyzing Type Question

	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 II: Paper III: Descriptive Analyzing Type Question	Y	Y	Y