

JSS Dental College and Hospital
(A Constituent College of JSS Academy of Higher Education and Research)
Accredited "A+" Grade by NAAC
JSS Medical Institutions Campus, Sri Shivarathreeshwara Nagar
Mysuru - 570 015, Karnataka, India

Title	Certificate program in clinical endodontics
Institution	JSS Dental College & Hospital, Mysuru
Aims	<ul style="list-style-type: none"> To introduce a Certificate Program that empowers dental graduates in basic and advanced endodontic skills.
Program Objectives	<p>After attending this program, the attendee should be able to</p> <ul style="list-style-type: none"> Recognize pulpal and periarticular conditions which require endodontic treatment. Knowledge to prevent endodontic disease. Deployment of contemporary intracanal disinfection techniques Diagnostic skills to identify when retreatment and/or surgical intervention is required and to determine the most appropriate approach The confidence to devise logical treatment plans for patients requiring endodontic therapy
Eligibility	<ul style="list-style-type: none"> Recent graduates For candidates with limited or no clinical endodontics Dentists who have taken a break from practice. Candidates seeking to gain thorough knowledge in endodontic therapy Candidates seeking to perfect their endodontics
Duration	12 months
Attendance	Should attend the full course of Lecture, demonstrations.
Selection of Candidates	Maximum intake may be restricted to either 15-20 on a first come first serve basis to attract and provide opportunities for interested students
Syllabus	Annexure -1
Curriculum	Annexure – 2
Faculty	<ul style="list-style-type: none"> Dr Ashwini T S, Dr Sowmya H K, Dr Paras mull G.
Room and Equipment	<ul style="list-style-type: none"> One classroom with LCD and OHP or Smart class, JSSDCH Libraries under JSS University Dental clinics Preclinical lab Areotor, micromotor handpiece, and Endo motor Apex locator, Burs, and rubber dam kit Endodontic microscope X-ray films, machines or RVG
Equipment by students	<ul style="list-style-type: none"> Areotor
Examination pattern	Two online or written examinations (MCQ based) 50 marks each before issuing certificates
Program fee	INR 35,000

Annexure 1: Syllabus

“Certificate program in clinical endodontics”

- Microbiological basis of endodontic disease
- Complexity of the pulp space in the permanent dentition
- Endodontic case selection
- Endodontic armamentarium
- Endodontic access cavity
- Determination of working length
- Techniques for negotiating and preparation of mild and moderately curved canals
- Cleaning and shaping
- Intracanal disinfection
- Rationale and methods of obturating root canal systems
- Single and multiple-visit therapy and temporization
- Endodontic microscope

	Theory	Practices
1-3 months	<ul style="list-style-type: none"> • Introduction to the Microbiological basis of endodontic disease • Principles of managing a vital pulp • Complexity of the pulp space in the permanent dentition • Endodontic armamentarium • Endodontic access cavity 	Demonstration & preparation of endodontic access cavity on extracted tooth maxillary and mandibular incisor, canines
4 – 8 months	<ul style="list-style-type: none"> • Techniques for negotiating and preparation of mild and moderately curved canals • Determination of the working length • Cleaning and shaping 	Demonstration & preparation of endodontic access cavity on extracted tooth maxillary and mandibular premolars and molars working length determination using apex locator
9--12	<ul style="list-style-type: none"> • Intracanal disinfection • Rationale and methods of obturating root canal systems • Single and multiple-visit therapy and temporization • Endodontic microscope. 	Biomechanical preparation and obturation. Demonstration on endodontic microscope
	Hands-on workshop on advanced endodontics.	
	Theory – every week on Friday - 8 to 9 am Demonstrations – 2 hours every week Saturday 9-11 am Clinical cases – as and when they are posted in the conservative and endodontic department	

* Benefits Of Having a Tie Up with The Companies:

1. They provide us with the starter kit along with other clinical materials.
2. Students will be benefited to listen and learn from renowned speakers
3. Our students will be exposed to rotary systems in the course
4. Companies will get their own endo motors during hands-on
5. Students will also get exposed to different endo motors
6. Students will also be updated with new materials and techniques

Annexure 2: Curriculum (Distribution of theory and practical classes)

“Certificate program in clinical endodontics”

Sl No	Topic	No of hours (theory)	No of (practical)	Remarks
1	Microbiological basis of endodontic disease	2		
2	Complexity of the pulp space in the permanent dentition	2		
3	Endodontic case selection	2		
4	Endodontic armamentarium	2	1	
5	Endodontic access cavity	2	2	
6	Determination of working length	2	2	
7	Techniques for negotiating and preparation of mild and moderately curved canals	2	2	
8	Cleaning and shaping	2	2	
9	Intracanal disinfection	1		
10	Rationale and methods of obturating root canal systems	2	2	
11	Single and multiple visit therapy and temporization	2		
12	Endodontic microscope	2	2	

Annexure 4: Plan to execute.

“Certificate program in clinical Endodontics”

The number of hours depends on the total hours required to complete the syllabus.

Clinical hours: one hour every week 8- 9 am.

Demonstrations and Practicals: 2 hours every week

Clinical cases: As and when they are posted in the conservative and endodontic clinics

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Monitoring and Evaluation: one to one teaching and training

Evaluation: MCQ-based exam for 50 marks preferably online.

Certificate: with JSS University Logo signed by Heads of JSSDCH.

- **The fees can be increased, subjected to the increase in the cost of materials and the hands on offered by the company / seller.**