



VINAYAKA MISSION'S SANKARACHARIYAR DENTAL COLLEGE, SALEM, TAMILNADU.

A Constituent College of VINAYAKA MISSIONS RESEARCH FOUNDATION
Deemed to be University – Declared Under Sec 3 of UGC Act 1956

VINAYAKA MISSION'S SANKARACHARIYAR DENTAL COLLEGE

SENIOR HOUSE SURGEONCY CERTIFICATE PROGRAMME IN CONSERVATIVE DENTISTRY AND ENDODONTICS

The Department of Conservative Dentistry and Endodontics has instituted as a Senior House Surgeoncy training programme, to those eligible candidates who are genuinely interested in improving their skills in speciality.

(1) OBJECTIVE:

- To give the candidate a deeper practical hands-on knowledge of various speciality treatments in clinical practice in Conservative / Esthetic Dentistry and Endodontics.
- To teach problem – based solution in speciality clinical practice.
- To improve the confidence of the candidate in dealing with difficult cases.
- To support the student interested in Endodontics but couldn't afford to pursue PG programme.

(2) OUTCOME:

- The trainee performs in Restorative and Endodontic stimulated clinical conditions Thus helping the candidate to gain expertise in manipulation of different restorative materials used in Conservative Dentistry and Endodontics
- The trainee acquires knowledge of different instruments, gadgets & devices that are to be used for Conservative Dentistry & Endodontics procedures.
- The knowledge of basic clinical principles in Conservative Dentistry & Endodontic treatment with the use of various techniques & materials can be enhanced.
- The candidate can attain knowledge on case selection, diagnosis, prognosis, treatment planning & trouble shooting of different types of cases used in Conservative Dentistry & Endodontics.



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(3) ELIGIBILITY:

- There shall be only three candidates selected for the senior CRI Programme.
- A slot is reserved for third candidate from other Colleges / University [2+1=-3]
- Two seats are reserved for candidates applying form in Vinayaka Mission's Sankarachariyar Dental College.
- However, if the third candidate [external] does not apply or vice -versa [internal], then the seats are mutually placed in 'open category' for internal / external candidate allotment.
- Candidates who have got above 55% in the final BDS University examination in Conservative Dentistry & Endodontics (Passed in first attempt), are only permitted to apply.
- Candidates who are applying after 24 months of CRI completion are rejected.
- The candidate should register in their Dental Council of India before applying for the programme.
- The selection of candidates for the senior CRI programme is done only after a thorough screening process, Interview and viva-voice will be conducted by three member department staff panel, in the first week of March. The date of interview will be priorly intimated on the department and college notice boards.
- Students are asked to get their necessary documents at the time of interview.
- The selected candidate will be intimated via E-mail and SMS within three days of completion of the interview.

(4) COURSE DURATION:

- There shall be only one session only.
- The CRI programme will commence tentatively in the second week of April every year.
- The dates will be intimated to the candidates who are selected after the Interview (Via E.mail / SMS)
- This programme will last for minimum period of 100 days posting in the department including postings in the Comprehensive Dental Clinic.



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(5) CURRICULUM

(A) SUBJECT DISCUSSION (THEORY TOPICS) :

CONSERVATIVE

- Diagnosis and treatment planning.
- Dental Caries - management of decayed tooth.
- Tooth preparation and restoration with composites.
- Composite – ceramic inlay, onlay.
- Tooth preparation and restoration with veneers.
- Dental hypersensitivity, etiology diagnosis and management
- Esthetic techniques
- Conservative Dentistry
- Recent advances in Esthetic materials part – [1]
- Recent advances in Esthetic materials part – [2]
- LASERS

ENDODONTICS

- Diseases of pulp and periapex – etiology, diagnosis, differential diagnosis, prognosis and management
- Diagnostic procedures and radiographic reading and interpretation.
- Case selection and treatment planning in Endodontics.
- Isolation of operating field.
- Endodontic instruments [Basic and recent advances]
- Internal Anatomy of tooth.
- Access cavity preparation of tooth.
- Endometrics .
- Irrigation protocol and intracanal medicants ,cleaning and shaping of root canal
- Obturation
- Restoration of endodontically treated teeth [cast and fiber post]
- Management of traumatic injuries.
- Management of discoloured teeth.
- Vital pulp therapy and single visit endodontics
- Endodontic emergencies
- Procedural accidents in Endodontics.
- Endodontic failures and retreatment
- Endoperio lesions – trouble shooting
- Endodontic magnification [Surgical loupes and surgical microscope]
- Endodontic surgery



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(5) (B) PRACTICALS

Module - I

- Preclinical work and table clinics
- Preclinical dummy work in natural teeth - anteriors, premolars and molars with Hand files [2+2+4 = 8 teeth]
- Preclinical dummy work on natural teeth with pulp space preparations with rotary hand piece and files and single cone obturation [5 teeth]
- Post endodontic restoration on anterior and posterior teeth [2 teeth]
- Crown preparation on anterior and posterior teeth [4+4 teeth]
- Veneer preparation for composites and ceramics on natural teeth [2 teeth]
- Composite preparation and restoration on anterior and posterior teeth [2+2 teeth]
- Composite / ceramic inlay – cavity preparation on natural tooth[1+1 teeth]

Module - II : Clinics [Patient work]

- Anterior teeth – minimum 10 cases with crowns [porcelain/ PFM]
- Anterior teeth – minimum 2 cases with refabricated esthetic posts
- Anterior teeth restoration with composite – 5 cases
- Vital tooth bleaching – 2 cases
- Composite veneers – 5 cases

Module - III : Clinics [Patient work]

- RCT in premolar teeth and crowns – 10 cases [porcelain, metal- PFM]
- Direct posterior composite restoration – 6 cases [class I – 3 +class II – 3]

Module - IV : Clinics [Patient work]

- Root canal treatment of posterior tooth minimum 50 molars [45 cases minimum with hand instruments + 5 minimum cases with rotary handpiece and files]
- Including minimum 10 crowns cementation [porcelain , metal or PFM]

Module - V : Comprehensive Clinical Posting

- Treatment planning and management of any speciality cases in Conservative, Esthetic Dentistry and Endodontics is undertaken by the candidates who is posted in Comprehensive for minimum duration of 10 days.



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5) (C) : Demo (Table Clinics)

Demonstration of following will be given to the candidates:

- Hand and rotary preparation of root canal in natural and acrylic tooth
- Thermoplastic obturation in acrylic teeth
- LASERS (Soft tissue)
- Surgical loupes and surgical microscope
- Post endodontic treatment with fiber post
- Digital Radiography (RVG)
- Rubber dam application

(6) TIME TABLE

DAY	TIME			
	9.00 AM TO 10.00 AM	10.00 AM TO 1.30 PM	1.30 PM TO 2.00 PM	2.00 PM TO 3.30 PM
MONDAY	Subject Discussion	Clinics	LUNCH BREAK	Preclinical Table clinic/ Esthetic Clinical - restorative / Esthetic procedures
TUESDAY	Practical Demo	Clinics		Preclinical Table clinic/ Esthetic Clinical - restorative / Esthetic procedures
WEDNESDAY	Subject Discussion	Clinics		Preclinical Table clinic/ Esthetic Clinical - restorative / Esthetic procedures
THURSDAY	Practical Demo	Clinics		Preclinical Table clinic/ Esthetic Clinical - restorative / Esthetic procedures
FRIDAY	Subject Discussion	Clinics		Preclinical Table clinic/ Esthetic Clinical - restorative / Esthetic procedures
SATURDAY	Clinics			---



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WORKING HOURS:

(7) Senior cri training hours (Structure)

Module I (50 hours)

Module II (50 hours)

ModuleIII (50 hours)

Module IV (250 hours)

Module V (50 hours)

Total no of training hours – 450 hours

(8) TRAINING TECHNIQUES :

Preclinical Module (Module –I)

I Subject discussion

II. Preclinical work in Conservative, Esthetic dentistry and Endodontics in simulated clinical condition with hand on demonstration by the trainer

III. Stepwise evaluation of procedures by the trainer

IV . Submission of the work done to the department [only after completing the preclinical work ,the student will be permitted to proceed to module II - IV)

Clinical work (module II to IV)

I. Subject discussion

II . Case selection, diagnosis, differential diagnosis, Prognosis, treatment planning of each and every individual case after case history recording .

III. Recording the procedure performed on the patient and stepwise evaluation of the patient work by the instructor

IV. Recording of the cases will be done by photographs, radiographs etc., by the candidates.



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EVALUATION

After the student has completed the required quota within module II to module IV and clinical evaluation is done by practical examination in Conservative Dentistry and Endodontics.

CLINICAL EVALUATION; (GRADING SYSTEM AS PER UGC)

The award of certificate (NSQF level 4 – 18 credits), will be given to successful candidates on completion of the evaluation process at the end of the programme.

The grades and grade points as recommended by the UGC are as follows:

(Reff. Credit system and NSQF – 2.6)

LETTER GRADE	GRADE PONT
O (Outstanding)	10
A+ (Excellent)	9
A (Very Good)	8
B+ (Good)	7
B (Above average)	6
C (Average)	5
P (Pass)	4
F (Fail)	0
Ab (Absent)	0

Note : A student obtaining grade F, Shall be considered 'Failed' and will be required to reappear in the examination.

PART (A) EVALUATION

CONSERVATIVE – Direct dental composite resin class – IV cavity preparation and restoration in anterior tooth after isolation with rubber dam.

PART (B) EVALUATION

ENDODONTICS – Endodontic treatment in molar teeth – (Rubber dam application, access cavity preparation, working length determination, master cone selection and obturation)

PART (C) – Viva –voice/ discussion

Problem based questionnaires will be given to the candidates to answer.



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(9) REFERENCE BOOKS –

1. Art and Science of operative dentistry – Sturdevant (South Asian Edition)
2. Fundamentals of fixed Prosthodontics – Shillingburg (IV- Edition)
3. Esthetic Dentistry - Ronald Goldstein (II- Edition Volume.1)
4. Problem solving in Endodontics – Gutman (V-Edition)
5. Ingle's Endodontics – Ingle (VII- Edition)
6. Pathways of pulp –Cohen (South Asian Edition)
7. Grossman's Endodontic practice – Grossman (XIII – Edition)



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