

COURSE MODULES&CONTENTS : MASTER CLINICIAN PROGRAM

12 Weeks Program (MCP-Integrated Clinical Endodontics)

**Course content
(15 modules)**

1. Fundamental of Modern Endodontics
2. Modern Clinical Endodontics
3. Modern Rotary Endodontics
4. Advanced Endodontics
5. Post Endodontics Restoration
6. Fundamental of Fixed Prosthodontics
7. Clinical Fixed Prosthodontics
8. Comprehensive Aesthetic Dentistry
9. Adhesive Restorative Dentistry
10. LASERS in Modern Dentistry
11. Clinical minor surgical procedures
12. Digital Dentistry
13. Micro-Dentistry
14. Clinical management
15. Fundamentals of implantology



MODULE 1: Fundamental of Endodontics

1. Pulp dentin Complex.
2. Internal anatomy of Individual permanent teeth
3. Endodontic Instruments and Standardization
4. Pathways of Pulpal infection
5. Pulp and Peri-apical pathology.
6. Antibiotics and Analgesics
7. Radiographs: IOPAR, OPG and CBCT
8. Diagnosis and treatment Planning
9. Isolation / Rubber dam application

MODULE 2 : Modern Clinical Endodontics

1. Various designs of Access Preparation
2. Pre-endodontic build up.
3. Working Length Determination with Electronic Apex locators
4. Chem-Mechanical Preparation (CMP)
5. Disinfection of canals with Irrigants
6. Intra-canal Medicaments
7. Basics to Advanced Obturation techniques
8. Access Filling and Core Buildup- sonic fill, dual cure resin, SDR
- 9.

MODULE 3 : Modern Rotary Endodontics

1. NiTi Alloy and its metallurgical properties
2. Endo motors programming – Rotary, Reciprocation, Adaptive motions
3. Principles of NiTi Rotary files
4. Fixed and variable taper rotary preparation techniques
5. Re-treatment with Rotary instruments



MODULE 4 : Advanced Endodontics

1. Single Visit Endodontics
2. Advanced Obturation techniques
3. Surgical Endodontics
4. Retreatment in Endodontics
5. Bio Ceramics in Modern endodontics
6. Management of Calcified Canals
7. Management of Curved Canals
8. Management of endodontic flare-up
9. Management of perforation defects
10. Management of ledges and blocked canals
11. Management of Resorption
12. Management of Open Apex
13. Management of instrument separation
14. Management of Endo-Perio lesions
15. Replantation in Endodontics
16. Root submergence
17. Apexification and Apexo-genesis
18. Revascularization
19. Pediatric Endodontics-pulpotomy /Pulpectomy

MODULE 5 : Post Endodontics Restoration

1. Post and Core- threaded metal. Fiber, cast post, direct and indirect techniques.
2. Endo Crowns- case selection, short crown prep, bevels, impression technique.
3. Overlay

MODULE 6 : Fundamental of Fixed prosthodontics

1. Introduction to Fixed Prosthodontics:
2. Modern Materials Used in Fixed Prosthodontics
3. Crown and Bridge Design:
4. Digital Laboratory Procedures:



MODULE 7: Clinical Fixed Prosthodontics

1. Tooth Preparation:
2. Impression Techniques:
3. Temporization:
4. Cementation Techniques:
5. Biomechanics and Occlusion:
6. Shade matching

MODULE 8: Comprehensive Aesthetic Dentistry

- Ceramic Veneers and Laminates
 - Principles in Aesthetics Dentistry
 - Smile design.
 - Case Selection
 - Clinical steps
 - Case selection
 - Putty Index for Tooth Preparation
 - Tooth Preparation
 - Impression
 - Temporization
 - Shade Selection
 - Try in
 - Cementation
 - Lab Communication
- Composite Veneers and Laminates
 - Wax up and mockup preparation
 - Direct and indirect putty index
 - Tooth Preparation
 - Various Bevels and indications
 - Material selection



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- Optical properties of Composite
 - Armamentarium (instruments, Brushes, rollers)
 - Layering Techniques
 - Diastema Closure
 - Emergence profile and matrices
 - Cosmetic Contouring.
 - Composite polishing
 - Composite Aesthetic restoration for Class-III, Class-IV , Incisal fractures
 - Use Tints and Stains for optical camouflaging.
 - Pink Aesthetics with composite
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- Bleaching/Tooth Whitening
 - Case selection
 - Internal Bleaching
 - Home Bleach

Module 9: Adhesive Restorative dentistry

1. Class-I and Class-II Aesthetic restoration
2. Direct and Indirect stamp- techniques
3. Ceramic Inlay and onlay preparation
4. Chair side inlay/onlay fabrication with composites
5. Bio-clear matrix



MODULE 10 : LASERS in Modern Dentistry

1. LASERS: Science and Principles
2. Lasers in general dental practice
3. Soft tissue LASERS
4. Lasers in Aesthetic dentistry
5. Lasers in Endodontics
6. Crown lengthening procedure (CLP)
7. Low level Laser Therapy (LLLT)

MODULE 11: Minor Surgical procedures

1. Introduction to surgical Anatomy of maxilla and mandible
2. Local anesthesia and it's clinical application
3. Management of medically compromised patients
4. Medical emergency n it's management
5. How to enhance your surgical skills
6. Basic instruments required for day to day surgical practice
7. Understanding the concept of incision and flap design
8. Clinically and Radiographic diagnosis
9. Assessment of tooth for closed or open method of extraction
10. Understanding of Rotary instrument in open extraction
11. Different techniques of odentectomy
12. Post-operative complication and it's management



13. Management of hemorrhage/ Bleeding

Module 12 : Digital dentistry

1. Introduction to digital dentistry
2. Scanning strategies
3. Digital dental practice workflow
4. Smile design

Module 13 : Micro-Dentistry

1. Principles of Magnification in Dentistry
2. Loupes
3. Dental Operating Microscopes

Module 14 : Clinical Management

1. Dental practice in Digital era
2. Digital strategies for successful practice

Module 15 : Fundamentals of Implantology

1. **Introduction to Dental Implants:** This chapter provides an overview of dental implants, including their history, materials used, and basic terminology. It



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introduces the concept of implant-supported prostheses and the advantages they offer compared to traditional prosthetic options.

- 2. Anatomy and Physiology of Implant Site:** Understanding the anatomy and physiology of the implant site is crucial for successful implant placement. This chapter covers topics such as bone anatomy, bone physiology, blood supply, and nerve innervation of the jaws.
- 3. Surgical Principles in Implant Dentistry:** This chapter focuses on the surgical aspects of implant dentistry, including principles of aseptic technique, flap design, implant site preparation, implant placement techniques, and primary stability. It also covers the management of complications and the importance of proper case selection.
- 4. Prosthetic Principles in Implant Dentistry:** Knowledge about prosthetic principles is essential for designing and fabricating implant-supported restorations. This chapter covers topics such as implant components, impression techniques, occlusal considerations, and the design of implant-supported prostheses.
- 5. Implant Maintenance and Complications:** Understanding the long-term maintenance of dental implants and the management of complications is critical for ensuring the success and longevity of implant treatment.

Course Duration and Fees Details

Course Duration : 12 Weeks

No Of Modules : 15

Course Fee : Rs. 4,50,000/- (Four Lakh Fifty Thousand Rupees only)

Course Timing : Monday to Friday (10:00am-4:00pm)

Saturday (10:00am-1:30pm)

On Clinical Working days Timing Extends upto 05:30pm



Salient features of the program

- Successfully Completed **15 years** of training dental graduates and post graduate dental practitioners across the globe since 2001
- Have completed **172 batches** of various types of clinical dentistry programs.
- Access to **AAREN app** to constantly assess the progress of each participant.
- Highly experienced **Professor and Reader** cadre faculty members with present Clinical practice to give both academic and clinical knowledge gained over the years.
- **HD Videos** of All preclinical and clinical Demonstration.
- **Additional cases** will be allotted based additional case availability and extended stay by participants.
- All materials, instruments and equipment provided by the academy with **no additional** expenses to participants.
- Academy will **provide All instrument and Equipment's** required for preclinical and clinical procedures for the Entire Course.
- Upon completion of the program all participants get Qualified to attend **Advanced international Micro Endodontic Programs** at DACE/UB, USA
- Assured clinical cases for each participant: All Clinical patients will be provided by the academy.



- **A total of Minimum 60-65 Clinical Cases will be allotted to Each Participant**
 - 20 Root canal treatment (RCT)
 - 20 Crown / Bridge
 - 5-8 Post and Core
 - 15 Restorative Cases-Class 2 , Class 3 ,Class 4
 - Cases on Crown Lengthening using Soft Tissue LASER -2 Cases

- **Implant Cases Details**

3 days of surgical module, 2 days of Prosthetic module and 1 day clinical demonstration, 2 implant placements by participant ---- One anterior and one posterior site total 2 implants with crowns

Academy will Provide all the latest instruments ,Materials and bear the Lab Expenses with no Additional cost to Participants.

Each Participant will Receive:

- The Course Completion Certificate
- Experience Letter will be provided.
- Reference / Recommendation** letter for Further Studies and for Jobs
- Year Long personal Mentorship after the Completion of the course
- Year Long Access to Digital library
- Study material
- Individual Working Station
- Locker Facility



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Registration Details:

Eligibility : BDS and MDS graduates with DCI state registration certificates.

Training Location: Academy of Advanced Endodontics, Indira Nagar 2nd Stage
Bengaluru, Karnataka 560008

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