



Pre conference 2: Dr Sai Kalyan

Hands On

PRACTICAL WORKSHOP ON BIOCERAMICS & MTA IN ENDODONTIC REPAIR

This hands-on workshop on endodontic repair will focus on the practical application of bioactive bioceramics for root canal filling and the use of Mineral Trioxide Aggregate (MTA) for furcation repair.

This workshop aims to equip participants with the necessary knowledge and skills to effectively utilize these advanced materials in endodontic procedures, thereby enhancing the quality and success rate of root canal treatments.

Course Outline:

I. Introduction to Endodontic Repair

1. Overview of endodontic procedures
2. Importance of endodontic repair techniques
3. Brief history and evolution of endodontic materials

II. Bioactive Bioceramics for Root Canal Filling

1. Understanding bioactive bioceramics: composition and properties
2. Advantages over traditional endodontic materials
3. Clinical applications and case studies
4. **Hands-on demonstration:** mixing and placement techniques

III. Mineral Trioxide Aggregate (MTA) for Furcation Repair

1. Introduction to MTA: composition and characteristics
2. Indications and contraindications for furcation repair
3. Clinical considerations and treatment planning
4. **Practical exercises: MTA placement in simulated furcation defects**

IV. Techniques for Endodontic Repair

1. Root canal instrumentation and disinfection protocols
2. Obturation techniques using bioactive bioceramics and MTA
3. Management of procedural complications and challenges



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Association of Conservative Dentistry & Endodontics Karnataka (ACE-K)

3rd ACE KARNATAKA CONFERENCE 2024

8th, 9th & 10th August 2024

SDM College of Dental Sciences & Hospital, Dharwad - 580009

Bonding with Brilliance!!

4. Tips for achieving predictable outcomes

V. Case Studies and Clinical Applications

1. Review of clinical cases illustrating successful endodontic repair
2. Discussion of treatment outcomes and long-term prognosis
3. Incorporating advanced materials into everyday practice

VI. Hands-On Practice Sessions

Participants will engage in hands-on exercises on 3d printed Models

Practice sessions will include root canal obturation using bioactive bioceramics and furcation repair with MTA

Individualized feedback and troubleshooting

VII.

1. Q&A Session and Discussion
2. Closing remarks and certification distribution

This workshop is designed to provide participants with a comprehensive understanding of endodontic repair techniques using bioactive bioceramics and MTA, while also offering practical experience through hands-on exercises and case discussions.

Participants will leave with enhanced skills and confidence to implement these advanced materials in their clinical practice, ultimately improving patient outcomes and satisfaction.