



Introduction to Dentistry

Conservative dentistry and Endodontics

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At the end of this lecture, the students will be able to:

- ◆ **Define conservative dentistry**
- ◆ **Recognize the scope of conservative dentistry**
- ◆ **Define endodontics**
- ◆ **Recognize the scope of endodontics**
- ◆ **Discuss the common challenges in endodontic treatment**
- ◆ **Identify the importance of Conservative Dentistry and Endodontics**

◆

ROADMAP

Definition of conservative dentistry

1

Definition of endodontics

3

Common challenges in endodontic treatment

5

Key aspects of conservative dentistry

2

Key aspects of conservative dentistry

4

Importance of Conservative Dentistry and Endodontics

6



1

Definition of conservative dentistry

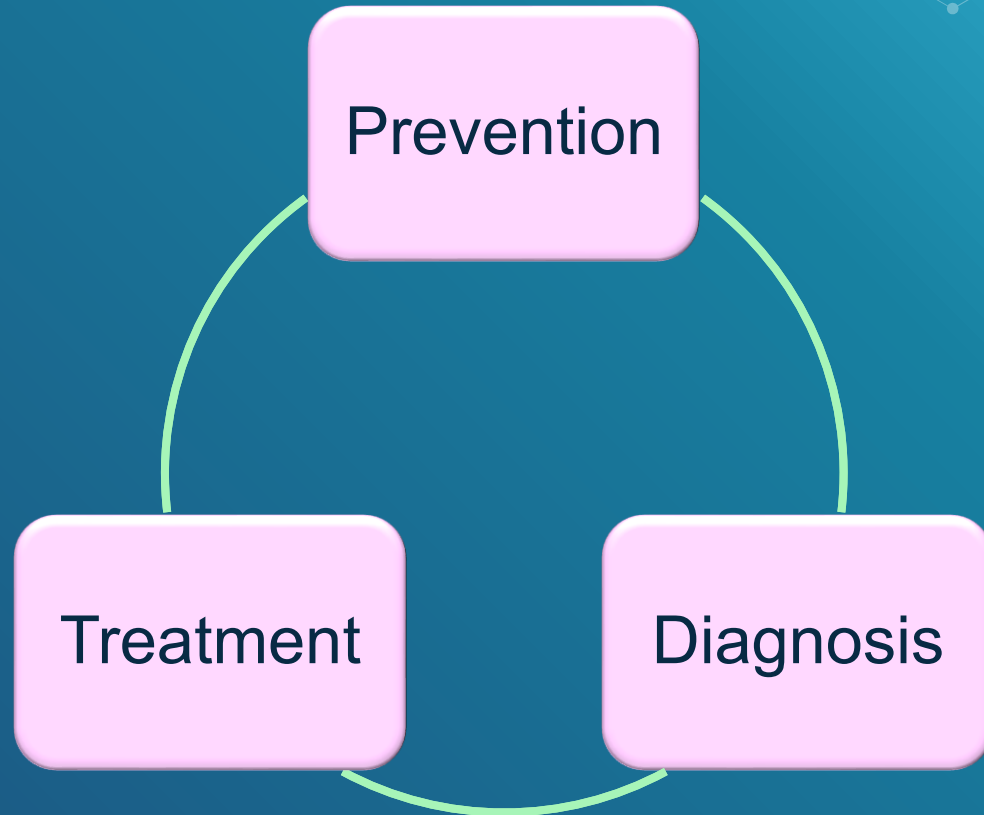
Conservative dentistry focuses on preserving natural teeth by preventing, diagnosing, and treating dental diseases. It aims to restore teeth affected by caries, trauma, or developmental disturbances while maintaining their function and aesthetics.





2

Key aspects of conservative dentistry



Prevention

1. Dental Examinations

Comprehensive dental exams are important for healthy teeth and gums. Early diagnosis and treatment of dental problems can help save your life. Regular dental exams allow you to take the best care of your smile.



Prevention

2. Oral Hygiene Counseling

Your dental professionals will give you instructions on how to take care of your teeth at home and keep your teeth and gums healthy.



Prevention

3. Routine X-ray

Routine X-rays are taken to evaluate the condition of your teeth. X-rays can show a variety of dental conditions, such as cavities, tooth abscesses, and bone loss.



Prevention

4. Dental prophylaxis

Dental prophylaxis, also known as dental cleanings, is one of the most common preventive dental treatments.



Prevention

5. Fluoride application

Fluoride is a natural mineral that has been proven to strengthen tooth enamel and prevent tooth decay. When tooth decay is caught early, fluoride treatment can even sometimes reverse it.

Health Benefits of Fluoride



Mineralizes teeth to avoid tooth breakdown



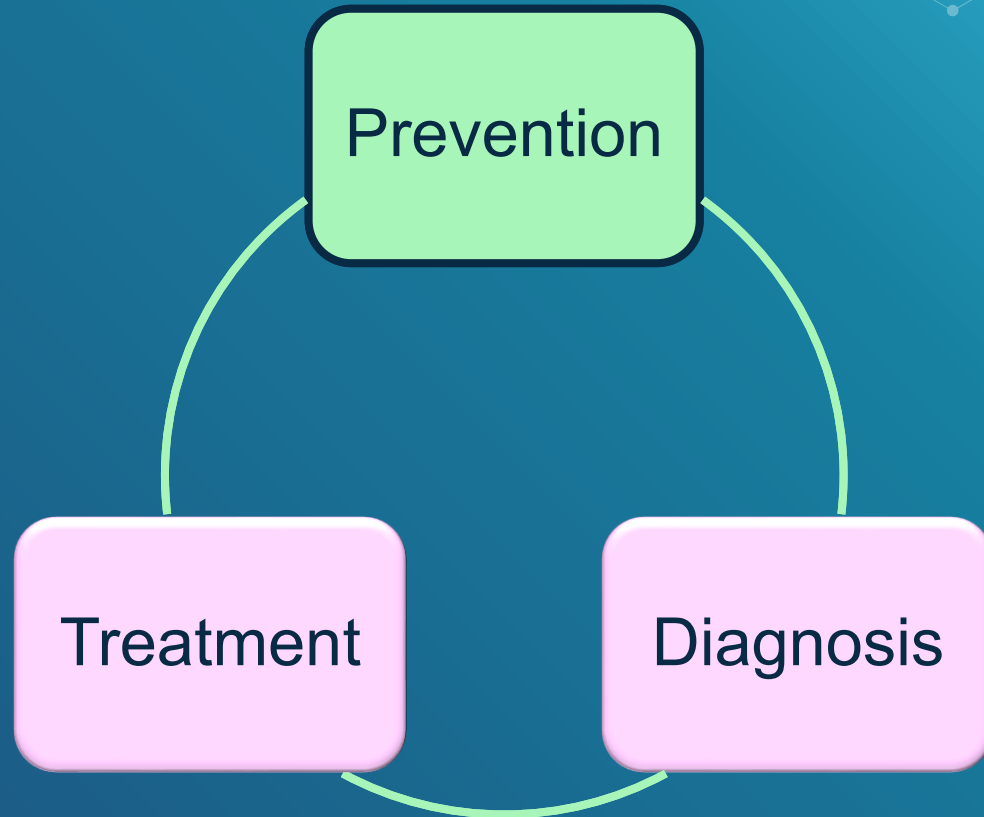
Protects against tooth decay and cavities



Prevents bacteria overgrowth in the mouth



verywell

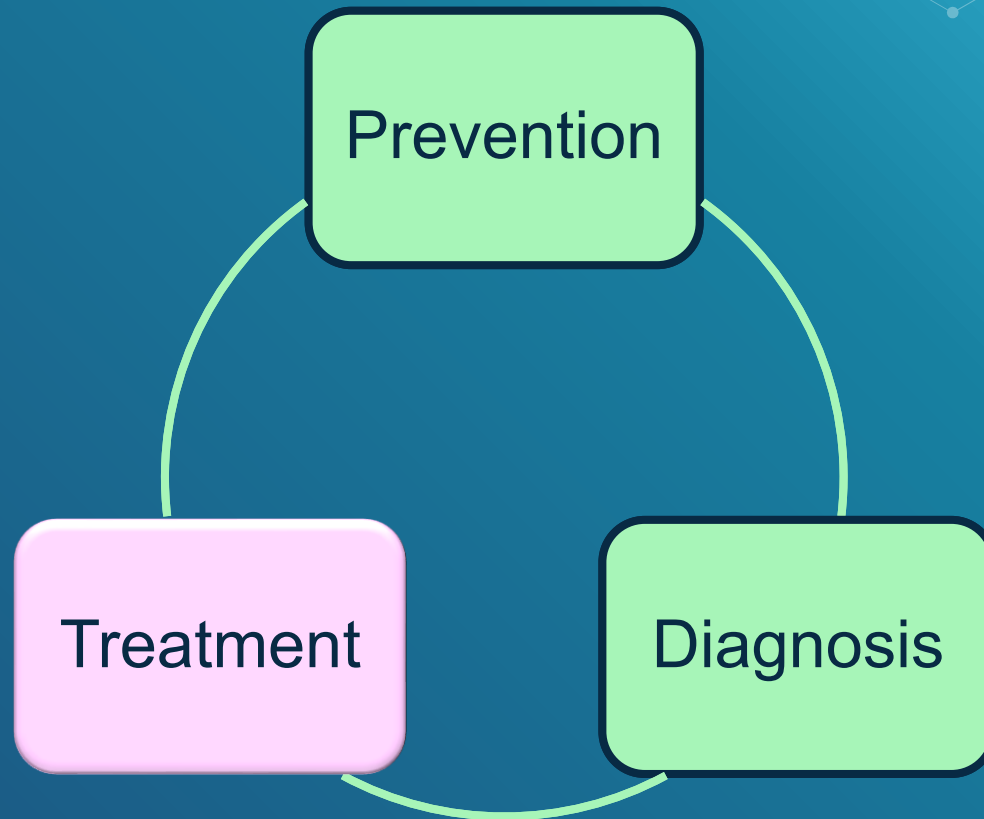


Diagnosis

Accurate assessment of dental conditions using

- Clinical examination
- Radiographs
- Other diagnostic tools.





Treatment



Filling

Inlays

Onlays

Veneers

Teeth Whitening

Treatment

Filling



Treatment

Inlays



Treatment

Onlays



Treatment

Veneers



Treatment



Teeth Whitening

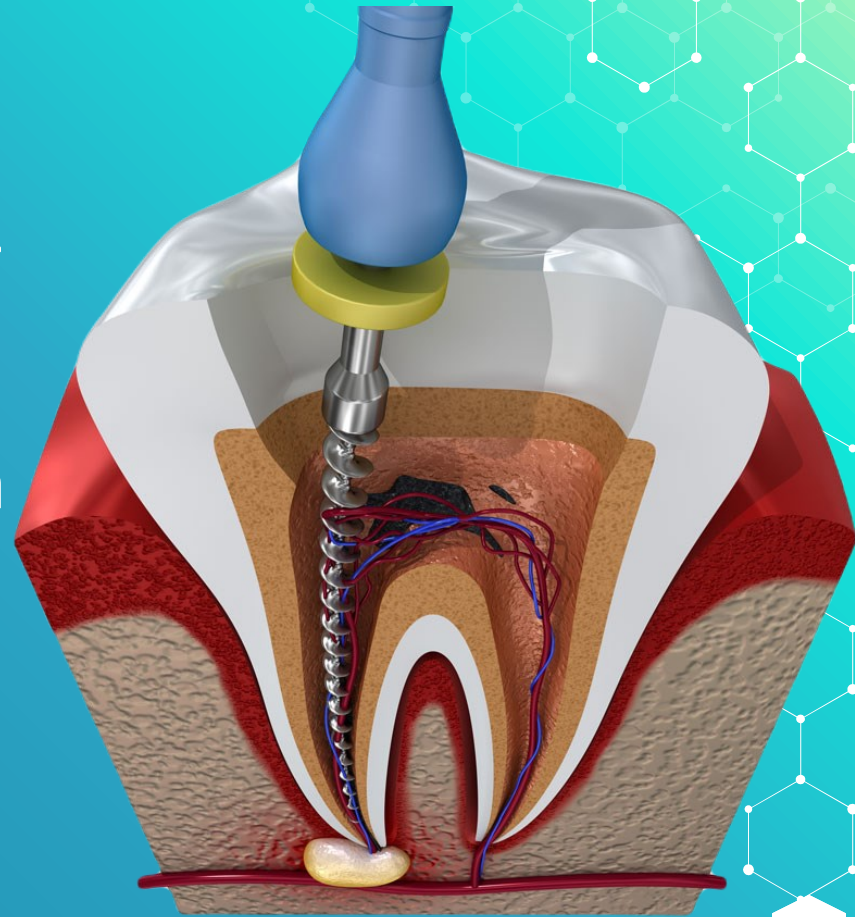


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Definition of Endodontics

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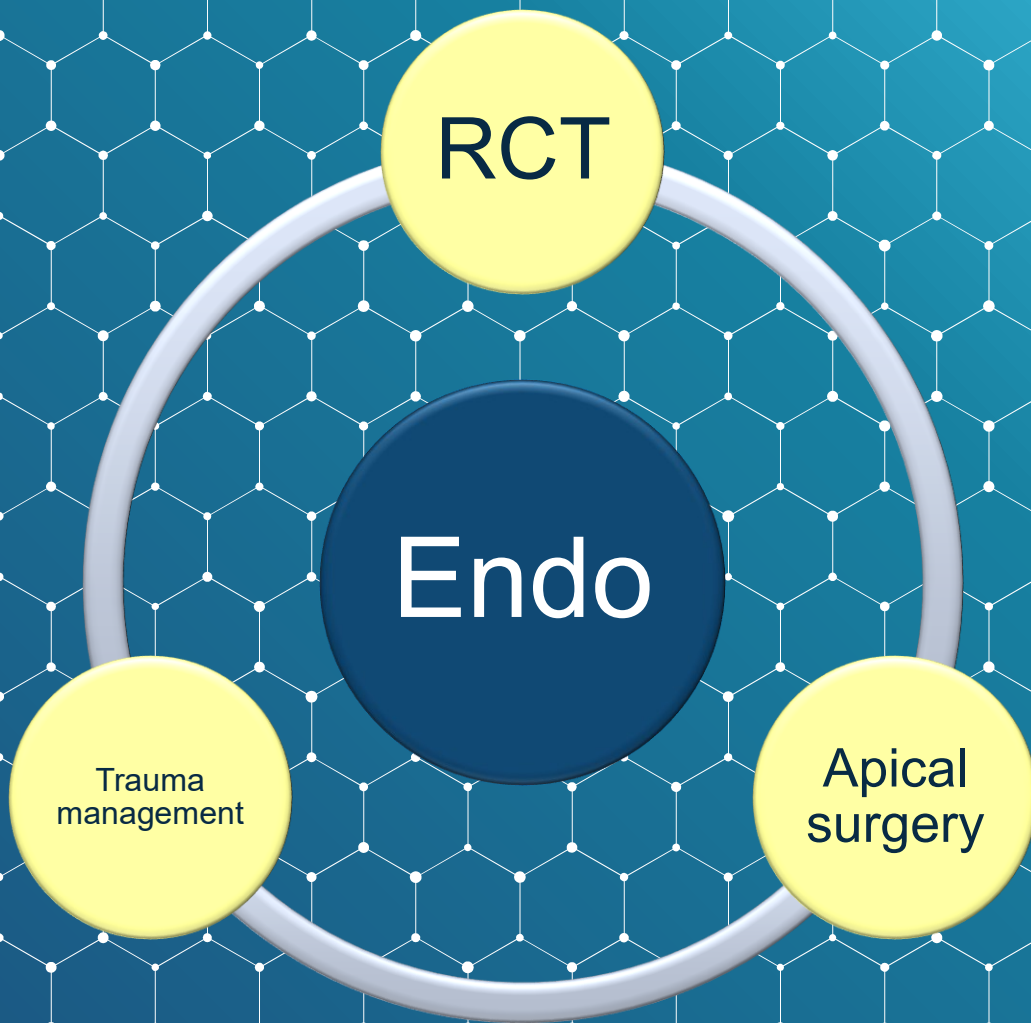
Endodontics is the branch of dentistry deals with the pulp and root canal system within teeth. It aims to save teeth by treating infected or damaged pulp tissue.





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Key aspects of Endodontics

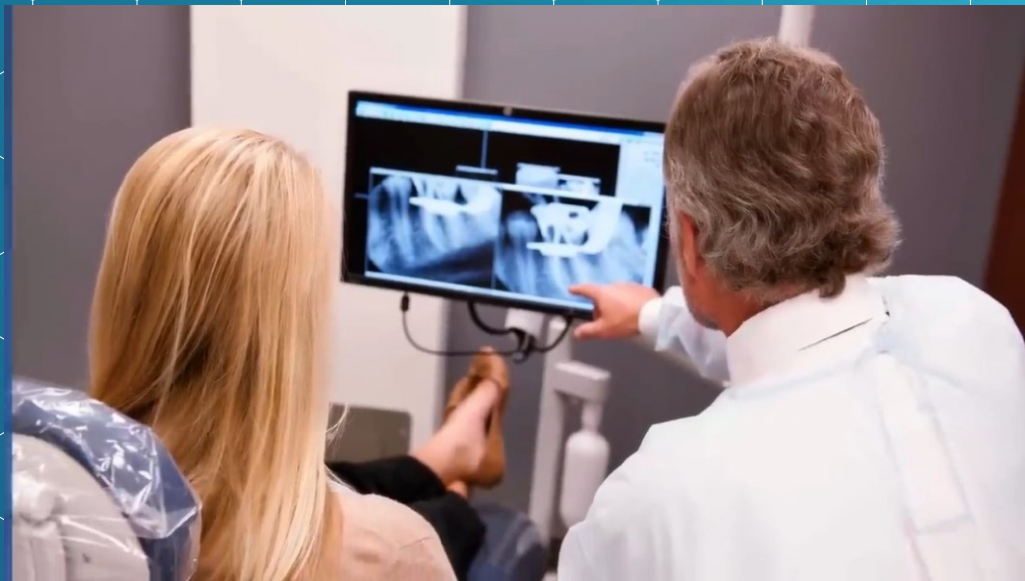


Root Canal Treatment

Endo

RCT

Removal of infected pulp, cleaning, shaping, and filling the root canals.



RCT

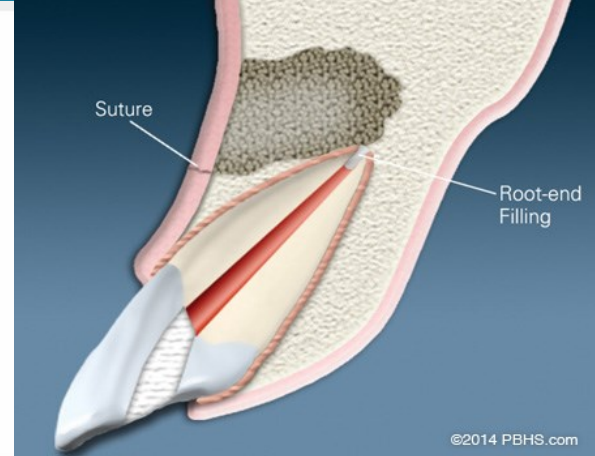
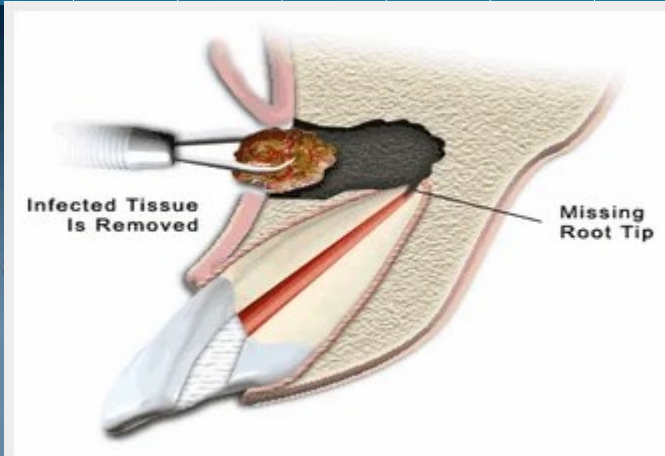
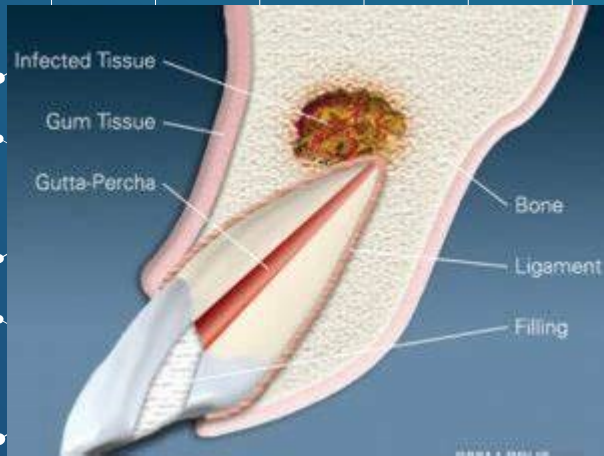
Endo

Trauma
management

Apical
surgery

Endo

Apical surgery



RCT

Endo

Trauma
management

Apical
surgery

Endo

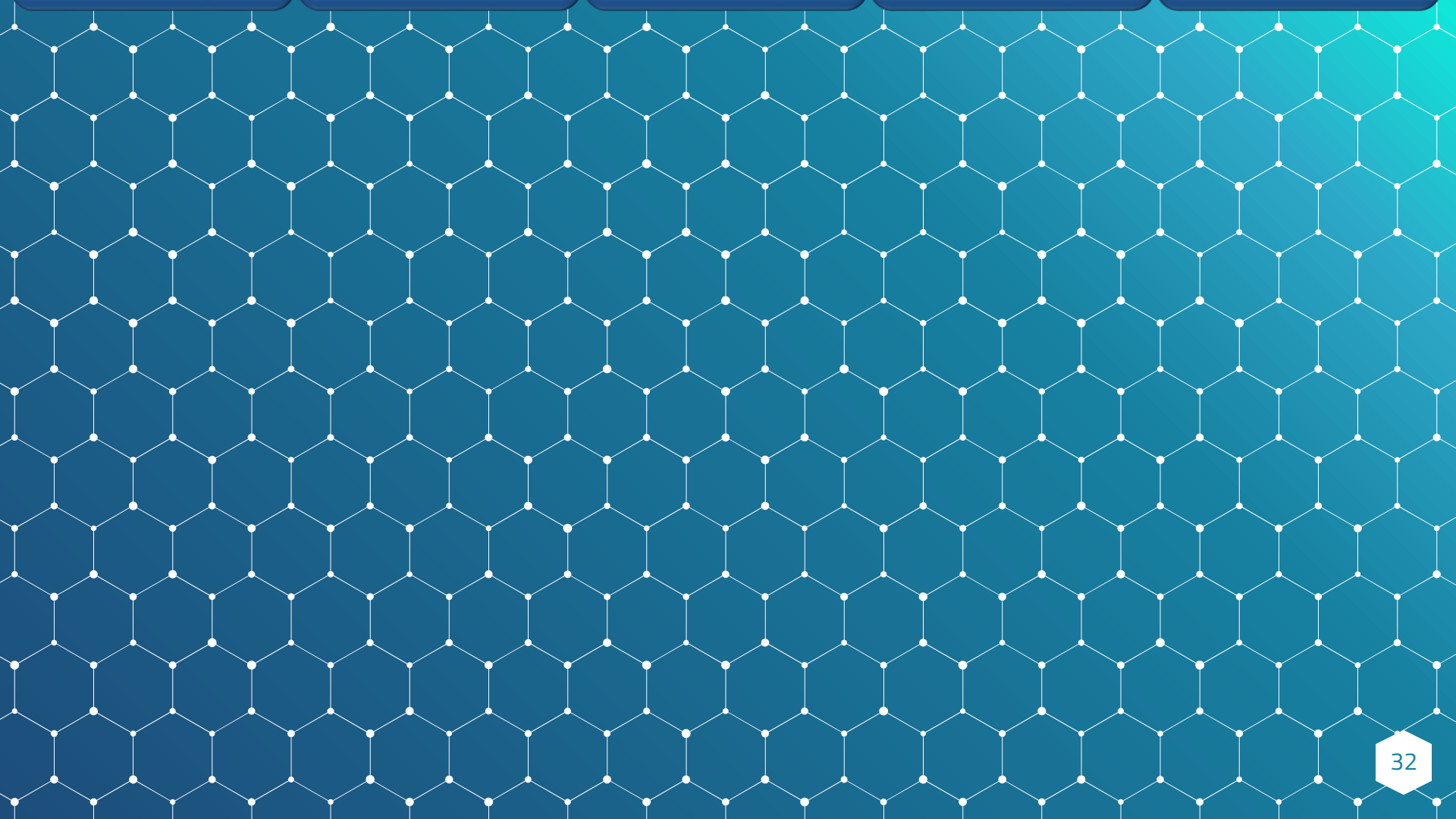
Trauma
management



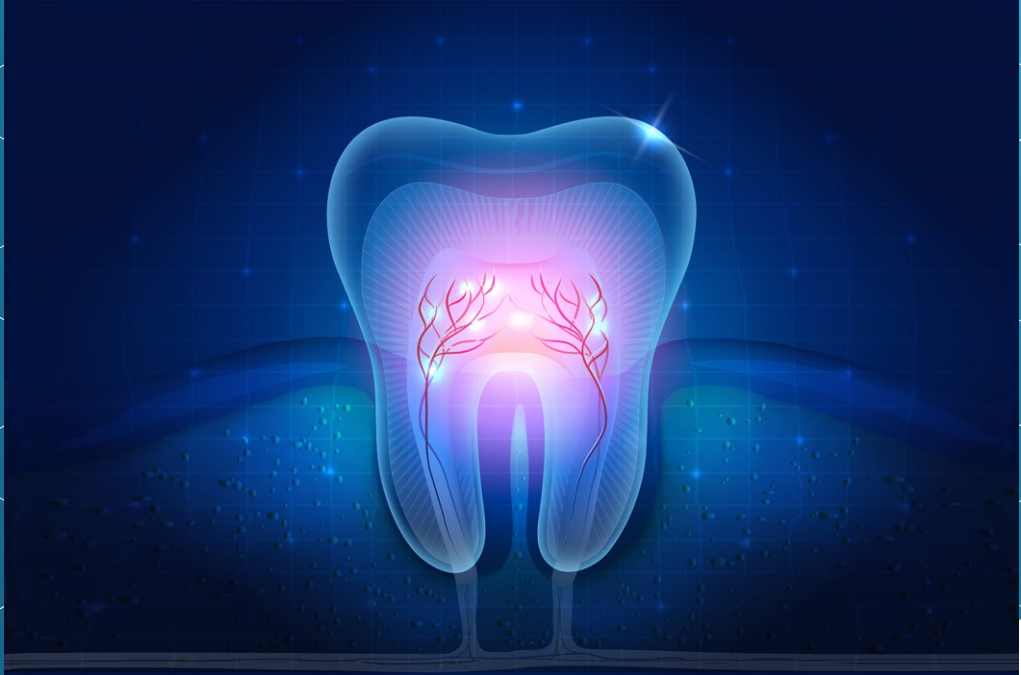
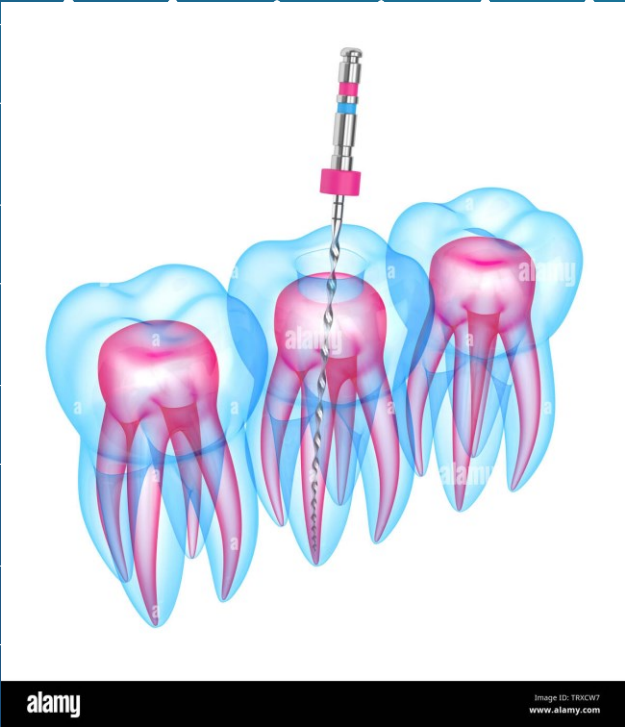


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Common challenges in endodontic treatment



Accurate Diagnosis



Patient Considerations



Limited mouth opening



Patient resistance

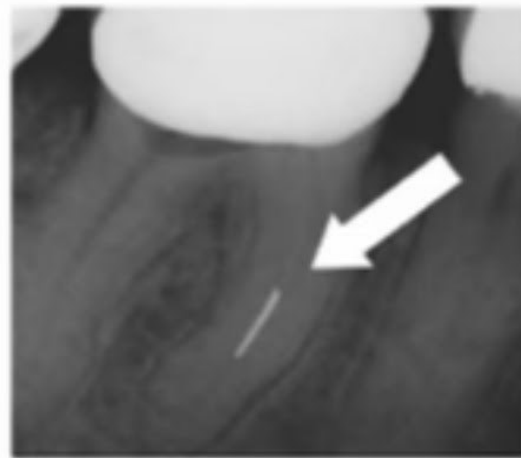
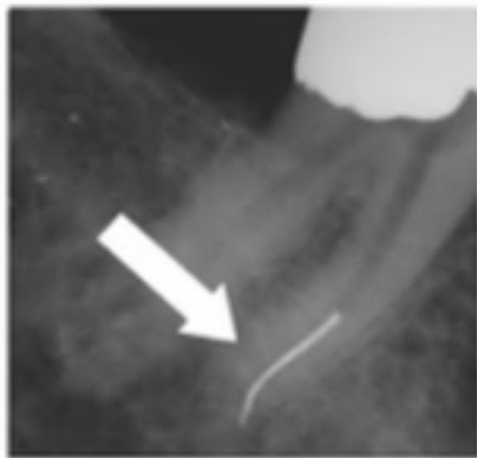


Medically compromised patient

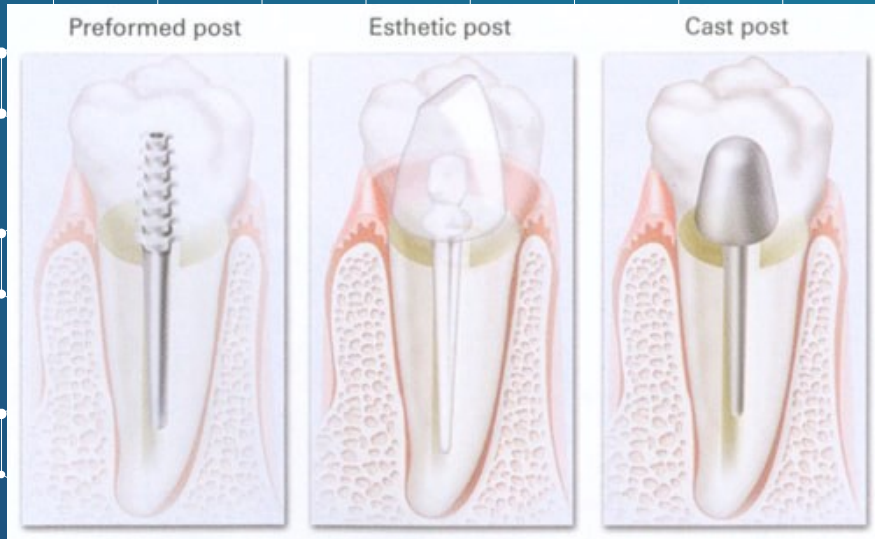
Root Canal Anatomy



Broken Files



Post-Endodontic Restoration





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Importance of Conservative Dentistry and Endodontics

- **Preserves Natural Teeth:** Avoids unnecessary extractions.
- **Restores Function and Aesthetics:** Enables patients to chew, speak, and smile confidently.
- **Improves Oral Health:** Prevents further decay and infection.



THANKS!

ANY QUESTIONS?

