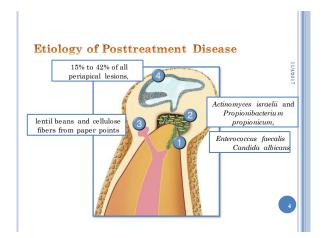
## 







## Etiology of Posttreatment Disease TRUE CASIS







## **Treatment Planning**

Four basic options for treatment

- 1. Do nothing
- 2. Extract the tooth
- 3. Nonsurgical retreatment
- 4. Surgical retreatment

# Coronal Access Cavity Preparation Retreatment of tooth with full-coverage restoration Preserve the restoration When the crown is considered to be satisfactory Cost for replacement can be avoided, isolation is easier, occlusion is preserved, esthetics will be minimally changed Restricted visibility, removal of canal obstructions such as posts will be more difficult, clinician may miss something important such as hidden recurrent caries, fracture, or additional canal

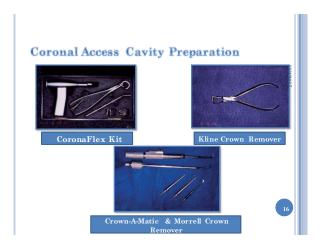
## Nonsurgical Endodontic Retreatment

11/4/2017

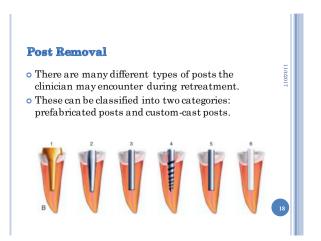
### Coronal Access Cavity Preparation

- If the access will be primarily cut through metal (amalgam alloy or cast metal) or composite resin, carbide fissure burs are usually chosen.
- When a PFM crown is encountered, a round diamond is used to cut through the porcelain layer. Once the metal substructure is encountered, an end-cutting bur, such as the Transmetal bur or the Great White bur can be used.





## Coronal Access Cavity Preparation The clinician must decide how to remove the crown. There have been many devices developed specifically for the conservative removal of crowns.







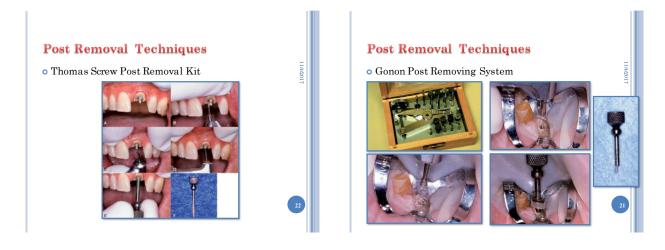
## Post Removal Techniques

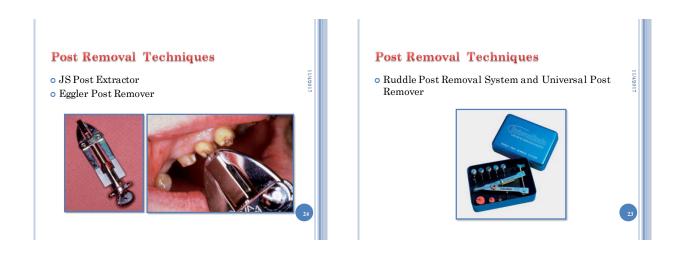
• The first step in post removal is to expose it properly by removal of all adjacent restorative

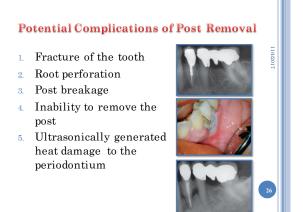
materials.





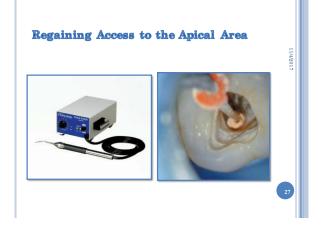






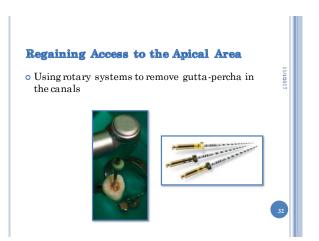


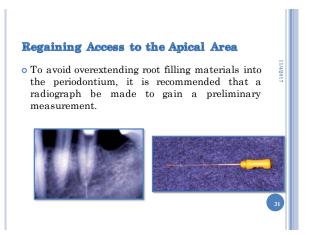














## Regaining Access to the Apical Area

- The Resilon polymer is reported to be soluble in chloroform and may be removed by heat application.
- After the Resilon core has been removed, it has been recommend the use of a resin solvent such as Endosolv-R to attempt elimination of the unfilled resin sealer.







