

# ANTERIOR ENDODONTIC PROCEDURE

## ADEX 2017

### CRITICAL ERRORS

|   |    |     |
|---|----|-----|
| Wrong tooth/Surface treated   | No | Yes |
| The crown of the tooth has been reduced                                 | No | Yes |
| Any part of the tooth is fractured during instrumentation or obturation | No | Yes |
| Any part of the tooth is perforated                                     | No | Yes |
| Procedure not challenged  | No | Yes |

**Acc. = Acceptable    Sub. = Marginally Substandard    Def. = Critical Deficiency**

#### ACCESS OPENING

##### Placement

|     |  |
|-----|--|
| ACC | Placement of the access opening is on the lingual surface directly over the pulp chamber and allows for pulp horns to be fully removed and complete debridement of the pulp chamber and straight-line access to the root canal system. |
| DEF | Placement of the access opening is NOT over the pulp chamber and/or does NOT allow complete debridement of the pulp chamber or access to the root canal system.  |

##### Size

|     |   |
|-----|---|
| ACC | Size of the access opening allows for complete removal of pulp horns; and, the incisal aspect of the access opening is $\geq 2.0$ mm from the incisal edge which provides for a fully supported incisal edge; and, the cervical aspect of the access opening is $\geq 3.0$ mm from the lingual CEJ which provides for a fully supported cingulum; and, the widest portion of the preparation mesio-distally is $\leq \frac{1}{2}$ of the lingual surface which provides for fully supported marginal ridges (approximately 1.0 mm). |
| DEF | A. The incisal aspect of the access opening is $< 2.0$ mm from the incisal edge which compromises the incisal edge.<br>B. The cervical aspect of the opening is $< 3.0$ mm from the lingual CEJ which compromises the cingulum.<br>C. The preparation compromises the mesial and/or distal marginal ridge(s) ( $\leq 1.0$ mm).<br>D. The size of the access opening does NOT allow for removal of pulp horns.   |

##### Internal Form

|     |   |
|-----|---|
| ACC | From the lingual surface to the cervical portion, the internal form tapers to the canal opening with slight ledges. |
| DEF | Internal form exhibits excessive gouges, which compromise the integrity of the tooth.                               |

#### CANAL INSTRUMENTATION

##### Cervical Portion

|     |   |
|-----|---|
| ACC | Canal is shaped to a continuous taper to allow adequate debridement and obturation and the cervical portion of the canal is of appropriate location and size to allow access to the apical root canal system. |
| DEF | Cervical portion of the canal is grossly over-prepared affecting the integrity of the tooth structure.  |

##### Mid-Root Portion

|     |   |
|-----|---|
| ACC | Mid-root portion of the canal blends smoothly with the cervical portion without ledges or shoulders.          |
| DEF | Mid-root portion of the canal has significant instrumentation irregularities that will compromise obturation. |

## Anterior Endodontic Procedure - continued

### Apical Portion

|     |  |
|-----|--|
| ACC | Apical portion of the canal is prepared to the anatomical apex of the tooth or $\leq 3.0$ mm short of the anatomical apex.   |
| DEF | A. Apical portion of the canal is over-prepared beyond the anatomical apex.<br>B. Apical portion of the canal is transported to the extent that the apical portion of the canal is not instrumented.<br>C. Apical portion is under-prepared $> 3.0$ mm short of the anatomical apex. |

### ROOT CANAL OBTURATION

#### Overfill/Underfill

|     |  |
|-----|--|
| ACC | Root canal is obturated with gutta percha at the anatomical apex or $\leq 3.0$ mm short of the root apex.        |
| DEF | Root canal is obturated with gutta percha $> 3.0$ mm short of the anatomical apex or beyond the anatomical apex. |

#### Voids in Gutta Percha

|     |  |
|-----|--|
| ACC | Apical third of the obturation in the root canal is dense and without voids.   |
| DEF | A. There are significant voids throughout the obturation of the root canal.<br>B. There is no gutta percha present in the root canal.<br>C. A material other than gutta percha was used to obturate the canal. |

#### Filled above/below CEJ

|     |  |
|-----|--|
| ACC | Gutta percha in the root canal is $\leq 3.0$ mm apical to the CEJ when measured from the facial or gutta percha and/or sealer is evident in the pulp chamber extending $\leq 2.0$ mm coronal to the CEJ when measured from the facial.   |
| DEF | A. Gutta percha in the root canal is $> 3.0$ mm apical to the CEJ when measured from the facial.<br>B. Gutta percha and/or sealer is/are evident in the pulp chamber extending $> 2.0$ mm coronal to the CEJ when measured from the facial.<br>C. There is restorative material present in the pulp chamber. |

#### Separated File

|     |  |
|-----|--|
| ACC | File is not separated; or, file is separated in the root canal but does not affect obturation of the root canal.               |
| DEF | A file is separated in the root canal and either prevents the obturation or allows obturation at a critically deficient level. |