

# PREPARATION: POSTERIOR COMPOSITE

## ADEX 2021

Tooth #: \_\_\_\_\_

MO

DO

MOD

### CRITICAL ERRORS

|                             |    |     |
|-----------------------------|----|-----|
| Wrong Tooth/Surface Treated | No | Yes |
| Unrecognized Exposure       | No | Yes |

ACC = Adheres to Criteria    SUB= Marginally Substandard    DEF= Critically Deficient

### EXTERNAL OUTLINE FORM

#### Proximal Clearance

|     |   |
|-----|---|
| ACC | Proximal contact is either closed or visibly open, and, at the height of contour, proximal clearance may extend $\leq 1.0$ mm beyond either one or both proximal walls. |
| SUB | Proximal clearance at the height of contour extends $> 1.0$ mm but $\leq 2.5$ mm beyond either one or both proximal walls.  |
| DEF | Proximal clearance at the height of contour extends $> 2.5$ mm beyond either one or both proximal walls.  |

#### Gingival Clearance

|     |   |
|-----|---|
| ACC | The gingival clearance is visually open but $\leq 1.0$ mm.                                |
| SUB | A. The gingival clearance is $> 1.0$ mm but $\leq 2.0$ mm.                                |
| DEF | A. The gingival clearance is $> 2.0$ mm.<br>B. The gingival contact is not visually open. |

#### Outline Shape/Continuity/Extension

|     |   |
|-----|---|
| ACC | The outline form may be sharp and irregular.  |
| SUB | A. The outline form is inappropriately over-extended, compromising the remaining marginal ridge and/or cusp(s).   |
| DEF | A. The outline form is grossly over-extended, compromising and undermining the remaining marginal ridge to the extent that the cavosurface margin is unsupported by dentin.<br>B. The width of the marginal ridge is $\leq 0.5$ mm. |

#### Isthmus

|     |   |
|-----|---|
| ACC | The isthmus may be between 1.0 mm - 2.0 mm in width but $\leq 1/3$ the intercuspal width. |
| SUB | The isthmus is $> 1/3$ the intercuspal width but $\leq 1/2$ the intercuspal width.        |
| DEF | The isthmus is $> 1/2$ the intercuspal width.   |

#### Cavosurface Margin

|     |  |
|-----|--|
| ACC | The external cavosurface margin meets the enamel at $90^\circ$ ; The gingival floor is flat, smooth, and perpendicular to the long axis of the tooth.  |
| SUB | The proximal cavosurface margin deviates from $90^\circ$ and is likely to jeopardize the longevity of the tooth or restoration. This would include unsupported enamel and/or excessive bevel(s). |

#### Sound Marginal Tooth Structure

|     |   |
|-----|---|
| ACC | The cavosurface margin terminates in sound tooth structure. There is no previous restorative material, excluding sealants, at the cavosurface margin.   |
| SUB | A. There are large or multiple areas of unsupported enamel which are not necessary to preserve facial aesthetics.<br>B. The cavosurface margin does not terminate in sound natural tooth structure. |
| DEF | There is explorer-penetrable decalcification remaining on the cavosurface margin.   |

| INTERNAL FORM             |  |
|---------------------------|--|
| Axial Walls               |  |
| ACC                       | The depth of the axial wall extends beyond the DEJ $\leq 1.5$ mm.  |
| SUB                       | A. The axial wall extends beyond the DEJ $> 1.5$ mm but $\leq 2.5$ mm.   |
| DEF                       | A. The axial wall extends beyond the DEJ $> 2.5$ mm.<br>B. The axial wall is entirely in enamel.   |
| Pulpal Floor              |  |
| ACC                       | The pulpal floor depth is $\geq 0.5$ mm but $\leq 3.0$ mm in all areas; there may be remaining enamel.   |
| SUB                       | A. The pulpal floor depth is $> 3.0$ mm but $\leq 4.0$ mm from the cavosurface margin.   |
| DEF                       | A. The pulpal floor is $> 4.0$ mm from the cavosurface margin.<br>B. The pulpal floor depth is $< 0.5$ mm.   |
| Caries/Remaining Material |  |
| ACC                       | All caries and/or previous restorative material are removed.   |
| DEF                       | A. Caries has not been accessed and/or remains in the preparation.<br>B. Previous restorative material remains in the preparation.                                 |
| Retention                 |  |
| ACC                       | Retention, when used, is well defined, in dentin, and does not undermine enamel.   |
| SUB                       | Retention, when used, undermines the enamel.   |
| Proximal Box Walls        |  |
| ACC                       | The proximal walls are parallel or convergent occlusally but may be slightly divergent and are not likely to jeopardize the longevity of the tooth or restoration. |
| SUB                       | The proximal walls are too divergent.  |
| TREATMENT MANAGEMENT      |  |
| Adjacent Tooth Damage     |  |
| ACC                       | Any damage to adjacent tooth/teeth can be removed with polishing without adversely altering the shape of the contour and/or contact.                               |
| SUB                       | Damage to adjacent tooth/teeth requires re-contouring that changes the shape and/or contour and/or contact.  |
| DEF                       | There is gross damage to adjacent tooth/teeth which requires a restoration.  |
| Soft Tissue Damage        |  |
| ACC                       | The soft tissue is free from damage, or there is tissue damage that is consistent with the procedure.  |
| DEF                       | There is gross iatrogenic damage to the soft tissue inconsistent with the procedure and pre-existing condition of the soft tissue.                                 |