**Prep Guide for Metal-Free Restorations**

**ANTERIOR FULL-COVERAGE CROWN**

**A. Chamfer**
- Chamfer margin
- 1.5 to 2.0mm facial reduction
- 1.0 to 1.5mm lingual contact clearance
- 1.5 to 2.0mm incisal reduction

**B. Shoulder**
- 1.0mm 360° rounded shoulder
- 1.0mm lingual reduction
- 1.5mm labial reduction

**POSTERIOR FULL-COVERAGE CROWN**

**A. Chamfer**
- 1.5 to 2.0mm occlusal reduction
- 1.5mm buccal and lingual reduction

**B. Shoulder**
- Rounded internal line angles
- 1.5mm buccal and lingual reduction
- 1.0 to 1.5mm gingival margin reduction

**ANTERIOR BRIDGE**

- All internal line angles are rounded and smoothed
- 1.5mm lingual clearance
- Supragingival margins
- 2.0mm proximal box
- 1.0 to 1.5mm rounded shoulder reduction

**INLAY (PREMOLARS)**

- Butt joint margin
- Rounded internal line angles
- 1.0 to 1.5mm wide gingival floor
- 1.5 to 2.0mm isthmus width

**INLAY/ONLAY BRIDGE**

- Premolar inlay preparation (1.5mm depth)
- Molar onlay preparation (2.0mm cuspal reduction)
- Edentulous space
- Butt joint margin
- Rounded internal line angles

**ONLAY (MOLARS)**

- 1.0 to 1.5mm wide gingival floor
- 1.5 to 2.0mm isthmus width
- Butt joint margin

**VENEERS**

- **Uniform Facial Preparation**
  - A medium-grit rounded diamond is used to join the depth cut grooves to establish a uniform preparation and porcelain thickness of at least 1.0mm.

- **Lingual Reduction to Increase Length**
  - The diamond is angled to eliminate undercuts and establish a butt joint on the lingual aspect of the preparation.
  - The incisal edge should be rounded to eliminate sharp line angles.

- **Chamfer Margins**
  - Correct preparation of the chamfer margins interproximally allow the appropriate bulk of porcelain.

- **A “Slice-Preparation”**
  - This technique enables the ceramic to close the space and avoid unnatural lingual contours.

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