INDIRECT TRANSFER WITH THE 3INONE ABUTMENT / BALL-TOP SCREW

Procedure Objective: Make an impression for fabrication of a working cast utilizing a closed-tray, indirect transfer method when a flared emergence Healing Abutment was used. The procedure creates a cast that represents the exact position of the implant as well as the orientation of the external hex.

### Lab Steps

<table>
<thead>
<tr>
<th>1. Remove Healing Abutment</th>
<th>2. Place Transfer Coping</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
<tr>
<td>Remove the flared emergence Healing Abutment with the .050” (1.25mm) Hex Driver. Confirm that the implant’s prosthetic platform is free of bone debris or soft tissue.</td>
<td>Seat the 3inOne Abutment and secure it with a Ball-top Screw (hand-tighten).</td>
</tr>
<tr>
<td><img src="image3.png" alt="Image" /></td>
<td><img src="image4.png" alt="Image" /></td>
</tr>
<tr>
<td>If practical, orient the long flat side of the abutment to the facial for easier indexing. Radiographically verify correct seating of the abutment.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Block out hex hole</th>
<th>4. Make full-arch impression</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image5.png" alt="Image" /></td>
<td><img src="image6.png" alt="Image" /></td>
</tr>
<tr>
<td>Block out the hex-hole on top of the Ball-top Screw with a material of choice.</td>
<td>Syringe a light-body elastomeric impression material around the coping assembly. Record the full arch impression using the closed tray loaded with heavier body impression material.</td>
</tr>
<tr>
<td><img src="image7.png" alt="Image" /></td>
<td><img src="image8.png" alt="Image" /></td>
</tr>
<tr>
<td>Remove the coping assembly after the tray has been removed. Replace the Healing Abutment immediately to prevent soft tissue collapse.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. Assemble coping and analog</th>
<th>6. Index coping into impression</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image9.png" alt="Image" /></td>
<td><img src="image10.png" alt="Image" /></td>
</tr>
<tr>
<td>Use the Ball-top Screw to assemble the 3inOne Abutment with the corresponding Implant Analog.</td>
<td>Insert the coping assembly into the corresponding location in the impression, ensuring that the long flat of the abutment aligns with the corresponding indice within the impression.</td>
</tr>
<tr>
<td><img src="image11.png" alt="Image" /></td>
<td><img src="image12.png" alt="Image" /></td>
</tr>
<tr>
<td>Send the impression, coping/analog assembly, abutment screw, bite registration and opposing model to the lab.</td>
<td></td>
</tr>
</tbody>
</table>

### Send to Lab

- Impression
- 3inOne/Ball-top Screw combo
- Abutment Screw (comes with 3inOne)
- Implant Analog
- Bite Registration
- Opposing model or impression
- Shade selection

A soft tissue replica material is recommended around the analog. Verify analog seating and apply lubricant where soft tissue replica material is to be applied.

Fabricate a working cast. Articulate according to standard laboratory procedures.
**DIRECT PICK-UP**

**Procedure Objective:** Make an impression for fabrication of a working cast utilizing an open-tray, direct pick-up method. The procedure creates a cast that represents the exact position of the implant. Hex orientation may be registered (single-unit) or bypassed (multiple-units) depending on the coping selected.

1. **Remove Healing Abutment**
   - Remove the Healing Abutment with the .050” (1.25mm) Hex Driver. Confirm that the implant prosthetic platform is free of bone debris or soft tissue.

2. **Place Pick-up Coping**
   - Place the appropriate diameter Direct Pick-up Coping (either hexed or non-hexed) on the implant body and retain with the corresponding coping screw (hand-tighten).
   - These screws feature a knurled top to aid in manual insertion, as well as a .050” (1.25mm) hex access hole for insertion with the Hex Driver.
   - Radiographically verify correct seating of the coping.

3. **Verify screw/tray clearance**
   - A stock impression tray may be modified for this procedure, or a custom tray may be fabricated using a tray material of choice. A window is cut out of the tray to allow clearance for the coping screw.
   - Try in the impression tray to verify that the coping screw protrudes through it without interference.

4. **Make full-arch impression**
   - Syringe a light-body elastomeric impression material around the coping assembly. Record the full arch impression with the tray loaded with heavier body impression material.

5. **Remove impression tray from mouth**
   - After the impression material has set, first remove the coping screw, and then remove the tray from the mouth. Verify that the impression material is completely adapted around the pick-up copings.
   - Replace the Healing Abutment immediately to prevent soft tissue collapse.

6. **Attach analog to Pick-up Coping**
   - Assemble the appropriate diameter Implant Analog to the Direct Pick-up Coping with the coping screw.
   - Send the impression/coping assembly, bite registration and opposing model to the lab.

**Lab Steps**

- **Send to Lab**
  - Impression with coping inside
  - Coping Screw
  - Implant Analog
  - Abutment and Screw (if selected)
  - Bite Registration
  - Opposing model or impression
  - Shade selection

A soft tissue replica material is recommended around the analog. Verify analog seating and apply lubricant where soft tissue replica material is to be applied.

- **Create soft tissue model**
- **Fabricate working cast**
  - Fabricate a working cast. Articulate according to standard laboratory procedures.
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