

# Open Tray Direct Pick-Up Impression Technique

In this technique, the direct transfer coping gets “picked up,” and remains in the set impression upon removal from the mouth. Once the impression has set, the screw holding the coping on the implant is accessed through the hole above/below the implant in the open tray and unscrewed to allow removal of the impression from the mouth. Once outside of the mouth, the implant analog is connected to the transfer coping prior to pouring the stone model.

**Recommended material:**  
Impregum™ Penta™ Soft  
Polyether Impression  
Material

## Implant Impression Tips

### Common causes for retakes:

**Distorted impression:** To prevent, stabilize tray as material is setting

**Voids and bubbles:** Use enough material and keep tip submerged in extruded material

**(Pick-up technique) Tray-abutment contact:** Widen implant windows in tray



**1** Removal of healing abutment

- Remove healing abutment
- Confirm prosthetic platform is free of bone debris or soft tissue
- Seat the coping and secure it – using the method recommended by the implant manufacturer



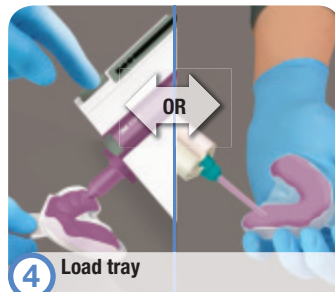
**2** Placement of transfer coping

- Verify correct seating of the coping with a radiograph



**3** Tray selection – open tray try-in

- Try-in the tray and create access window
- Ensure there is appropriate clearance for entire arch with no contact between tray and tissue
- Evaluate tray-coping fit, ensuring there is enough clearance for coping to fit easily through window in tray



**4** Load tray

- Load the tray material after using proper bleeding technique
- Keep the mix tip submerged in the tray material to prevent voids
- **Do not under-fill the tray**



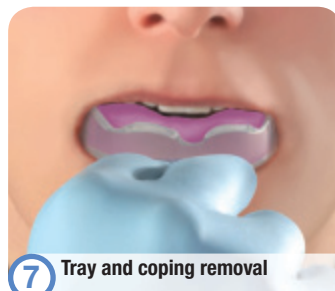
**5** Syringe around coping

- While loading the tray, syringe the wash material around the coping, and ensure continuous flow around the entire coping
- Keep the mix tip submerged in the wash material at all times to avoid trapping air bubbles



**6** Tray seating and immobilization

- Insert the loaded tray straight and evenly into mouth – avoid rotation
- Don't let patient bite down on tray
- Immobilize the tray using passive pressure
- Follow the recommended setting time in the mouth – using a timer



**7** Tray and coping removal

- Once impression material has set, remove screw holding coping in place, following implant manufacturer's instructions
- Remove tray from mouth carefully, with coping embedded in the set impression
- Replace healing abutment immediately to prevent soft tissue collapse



**8** Evaluate final impression with coping inserted (indexed)

- Rinse impression before inspection
- Evaluate the impression for correct transfer and common impression errors (see side bar on this page)
- Attach the implant analog to coping embedded in the impression
- Dry and disinfect impression before shipping



**9** Bite registration

- Apply a layer of 3M ESPE Imprint Bite Material with a thickness of approximately 5mm occlusal-incisally to the entire lower arch
- Have patient bite into proper occlusion
- Disinfect prior to shipping
- Make an impression of the opposing arch and submit it with case