

# Full Mouth Cases (A04/5/6+)

## - Protocol -

### *- Same procedure for:*

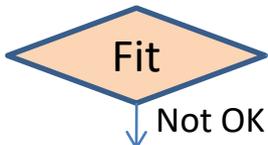
- Full Arch & Full Zirconia
- Hybrid Bar & Denture
- Milled Bar & Overdenture
- Locator Overdenture
- PIB (Bar & Individual Crown)
- Custom Abutments & Bridge

# Full Mouth Cases – Protocol

## In Clinic

- Take Impression (IMP)
- Provide Implant System and diameters
  - Send IMP, Bite, Coping, (New/UNDAMAGED) Analog, Opposing, **Temporary Plastic Abutments, NON-HEX**

- Fit **VJ** to Patient
- Take X-Ray



➢ Send Model to Lab

### Customize VJ to take New Bite & IMP

- Cut VJ into separate pieces & fit them into Pt mouth
- Connect pieces in Pt mouth by using Pattern Resin (Acrylic Resin, Duralay)

- Take New Bite by using **VJ**
- Take New IMP by using **VJ** & **CT**
- Measure VD & Mid-Line

➢ Send **X-Ray**, **New IMP**, New Bite, Coping, **New/UNDAMAGED Analog**, Opposing to Lab

- Metal Try-In

## In Lab

- Make **Model** & Find Potential Issues

- Make Verification Jig (**VJ**) – to check accuracy of IMP
- Make Custom Tray (**CT**) in case

➢ *Final screws may need to be purchased by doctor depending on implant system*

➢ *Dr. may need to provide additional sets of Analog, Temporary Abutment & Screw for depending on what implant system was placed.*

- Make **Verified Model (VM)**

- Metal Work :  
Conventional Way

- Bar Design & Production :  
CAD/CAM

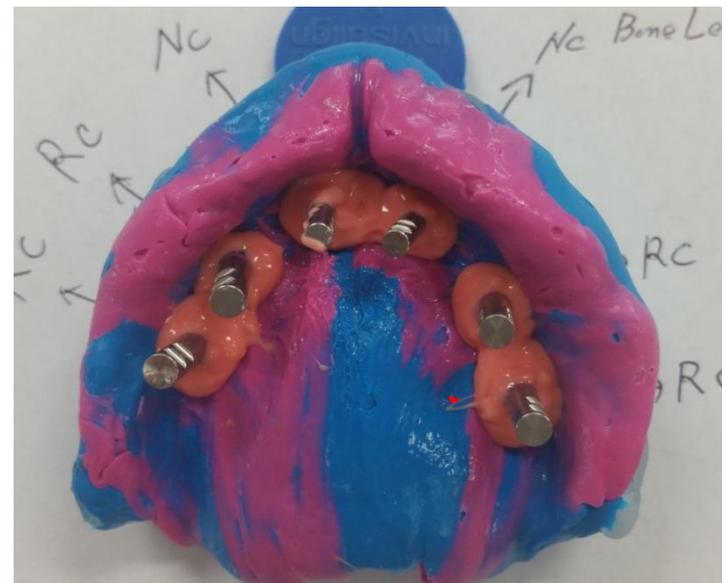
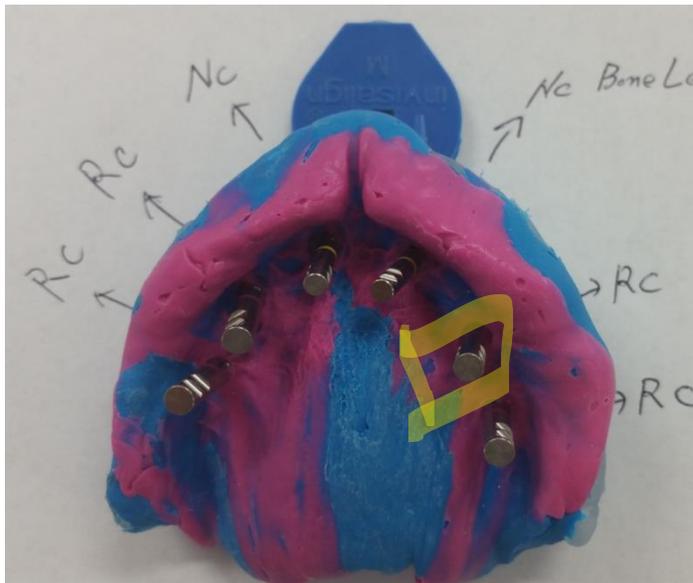
- Finish

## Dr. **MUST** do:

- If screw holes are showing facially, Dr. must use **MU abutments**
- Then, Dr. must take an impression by using **MU Impression Copings – Pickup Type**
- And Dr. must send the lab **MU Analogs**

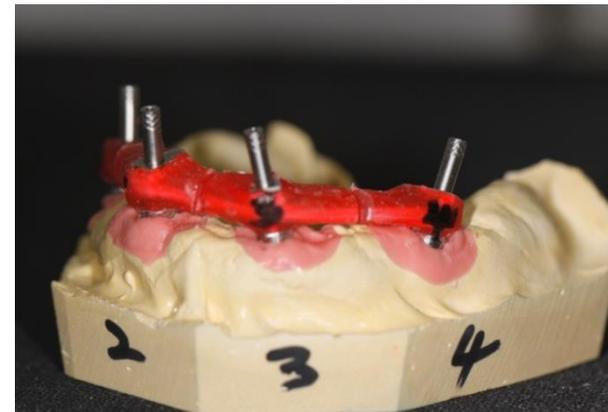
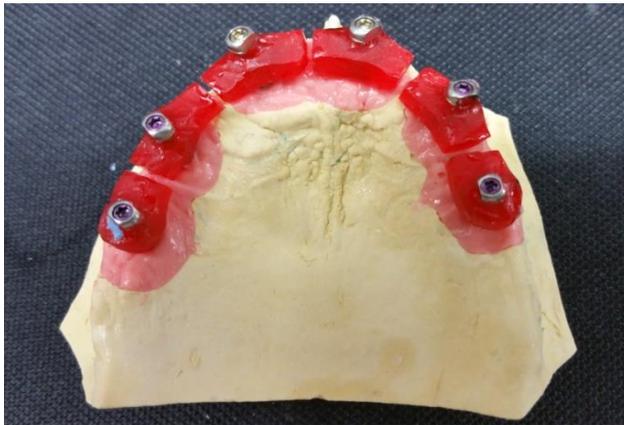
# Hybrid Bar & Denture - Procedure

## (1) 1<sup>st</sup> Impression



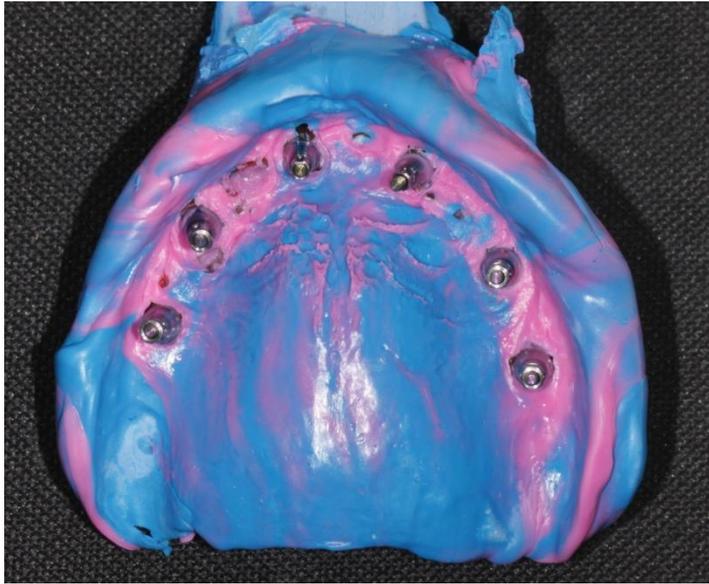
# Hybrid Bar & Denture - Procedure

## (2) Verification Jig and Custom Tray



# Hybrid Bar & Denture - Procedure

## (3) Verified Impression (2<sup>nd</sup> Impression)



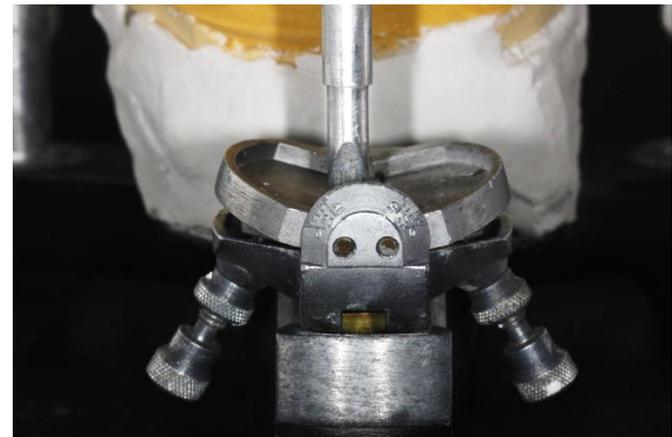
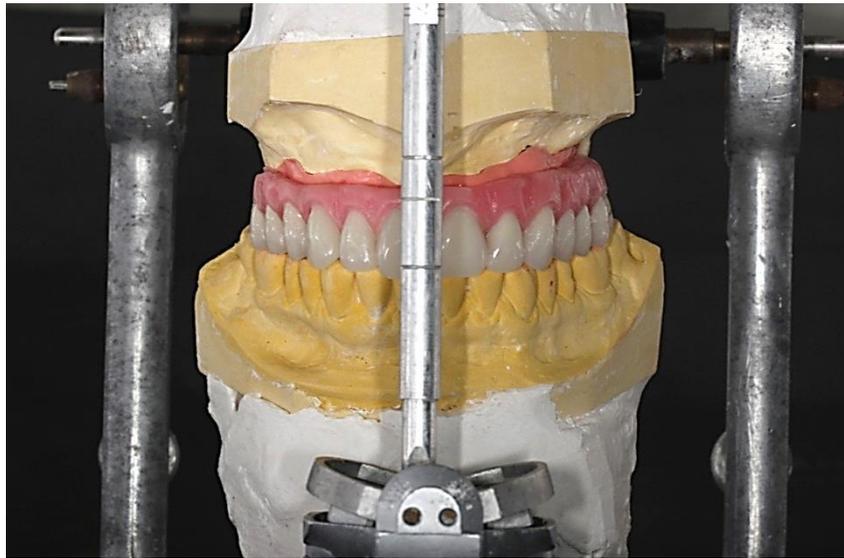
# Hybrid Bar & Denture - Procedure

(4) Wax Rim (using Temporary Abutment) & Bite



# Hybrid Bar & Denture - Procedure

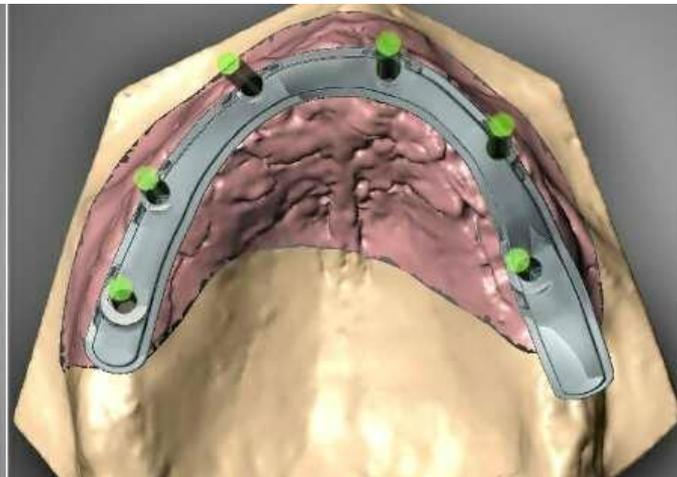
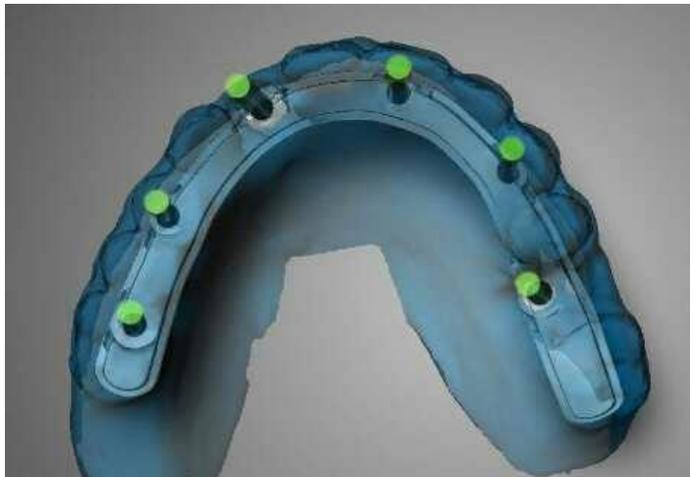
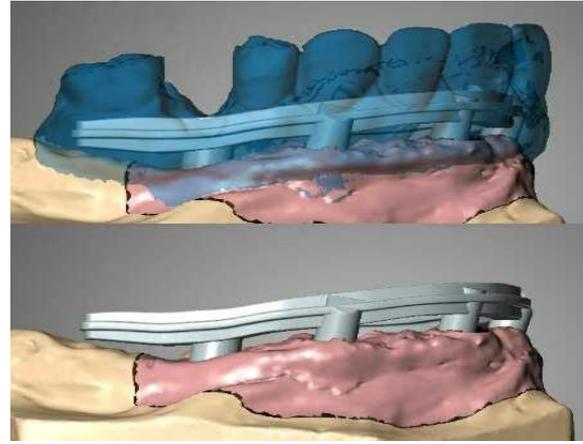
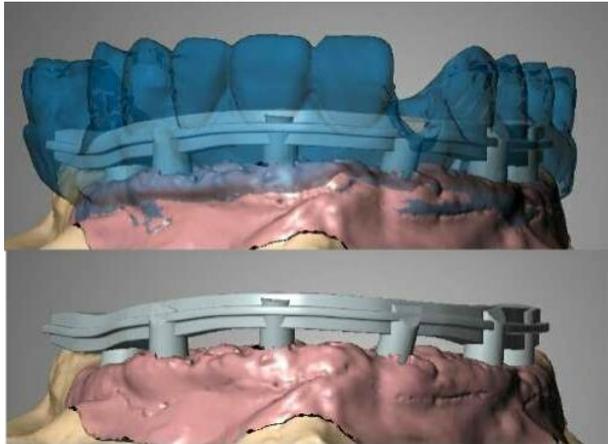
## (5) Mounting and First set up



# Hybrid Bar & Denture - Procedure

## (6) Bar Design

17 mm  
Space



# Hybrid Bar & Denture - Procedure

## (7) Bar Milling



# Hybrid Bar & Denture - Procedure

(8) 2<sup>nd</sup> Teeth Set-up on the bar



# Hybrid Bar & Denture - Procedure

## (9) Finish and Deliver



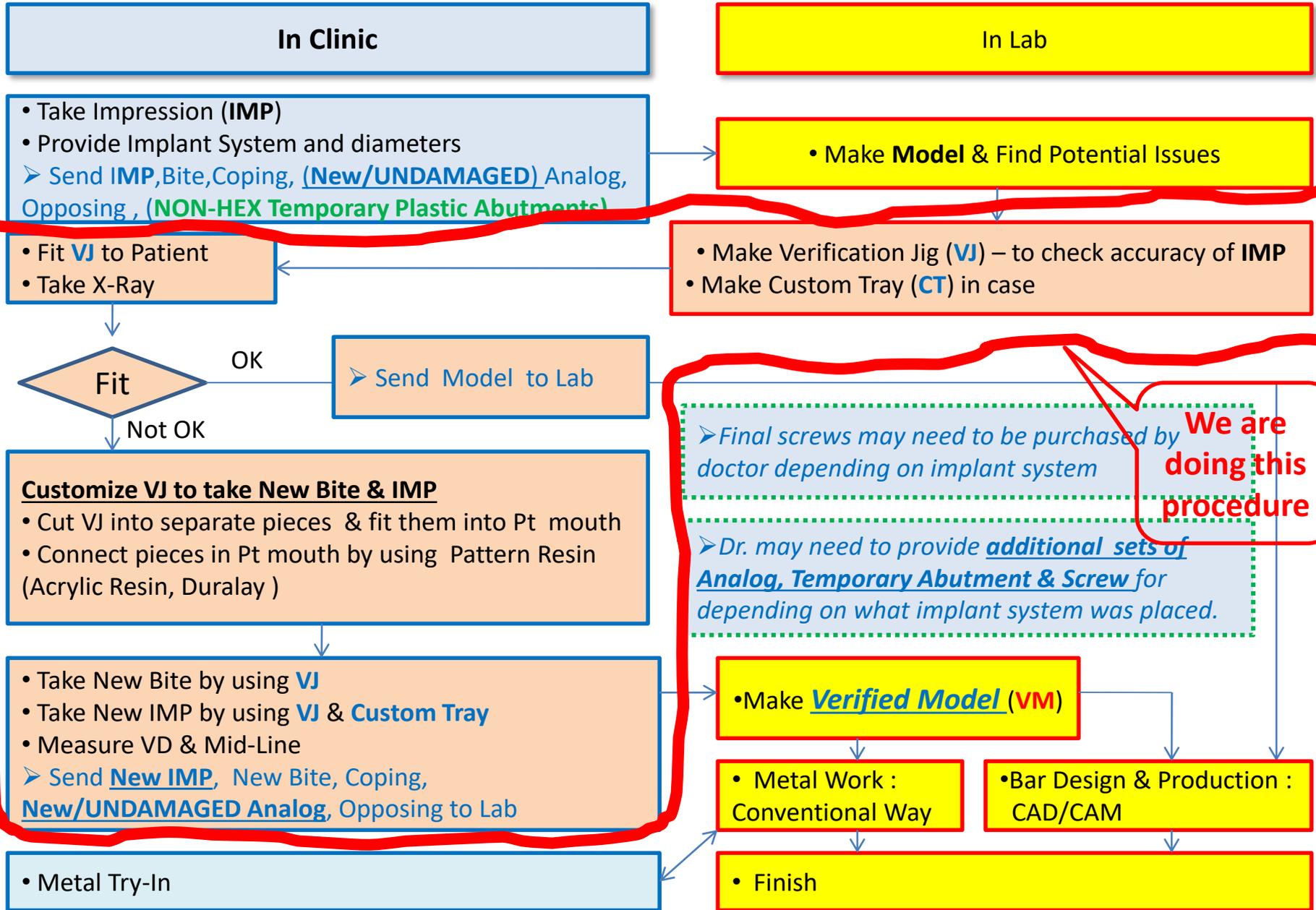
- How to (details):

- (1) Section Verification Jig (VJ)

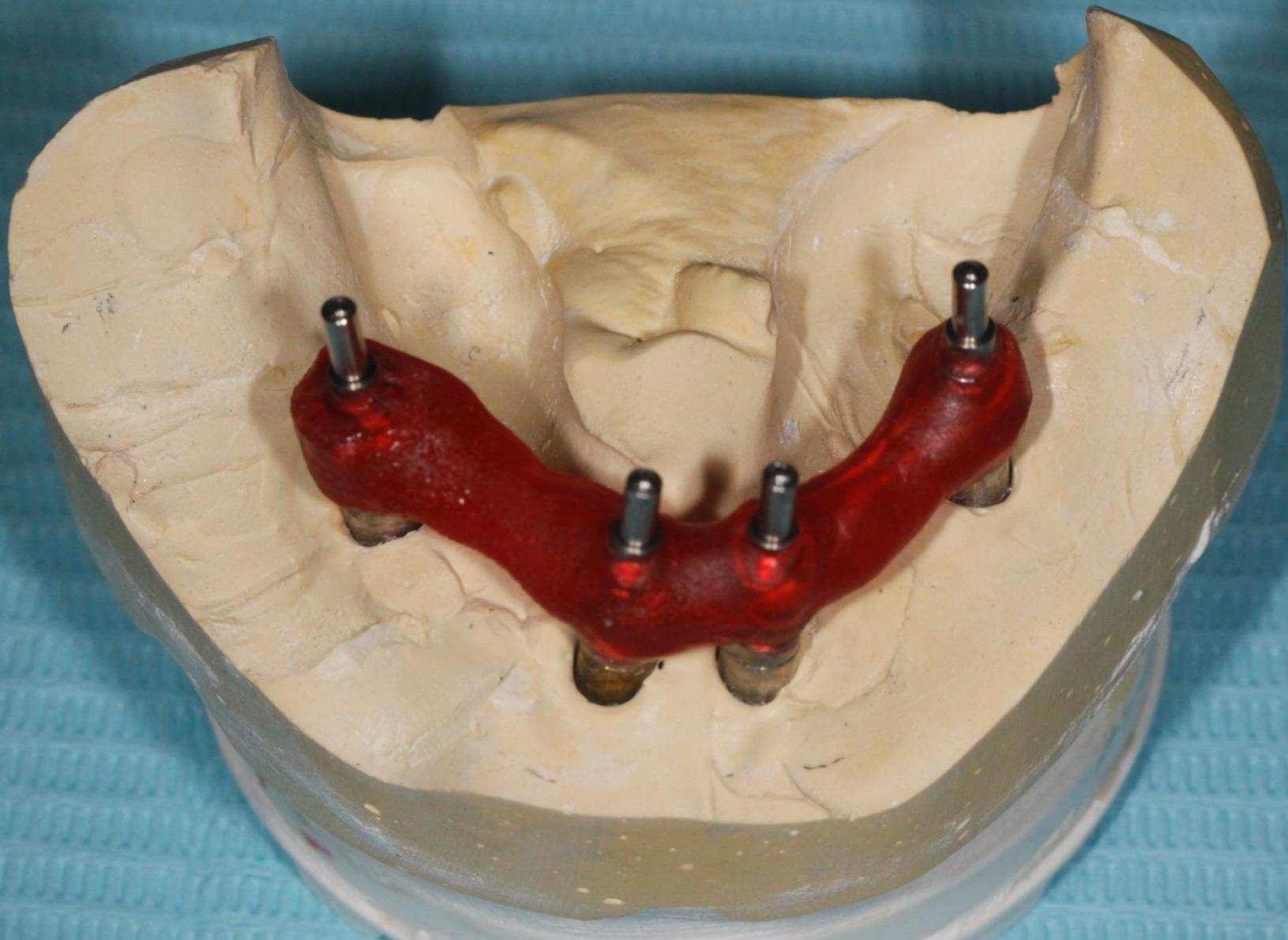
- (2) Lute VJ

- (3) Take Impression with Luted VJ

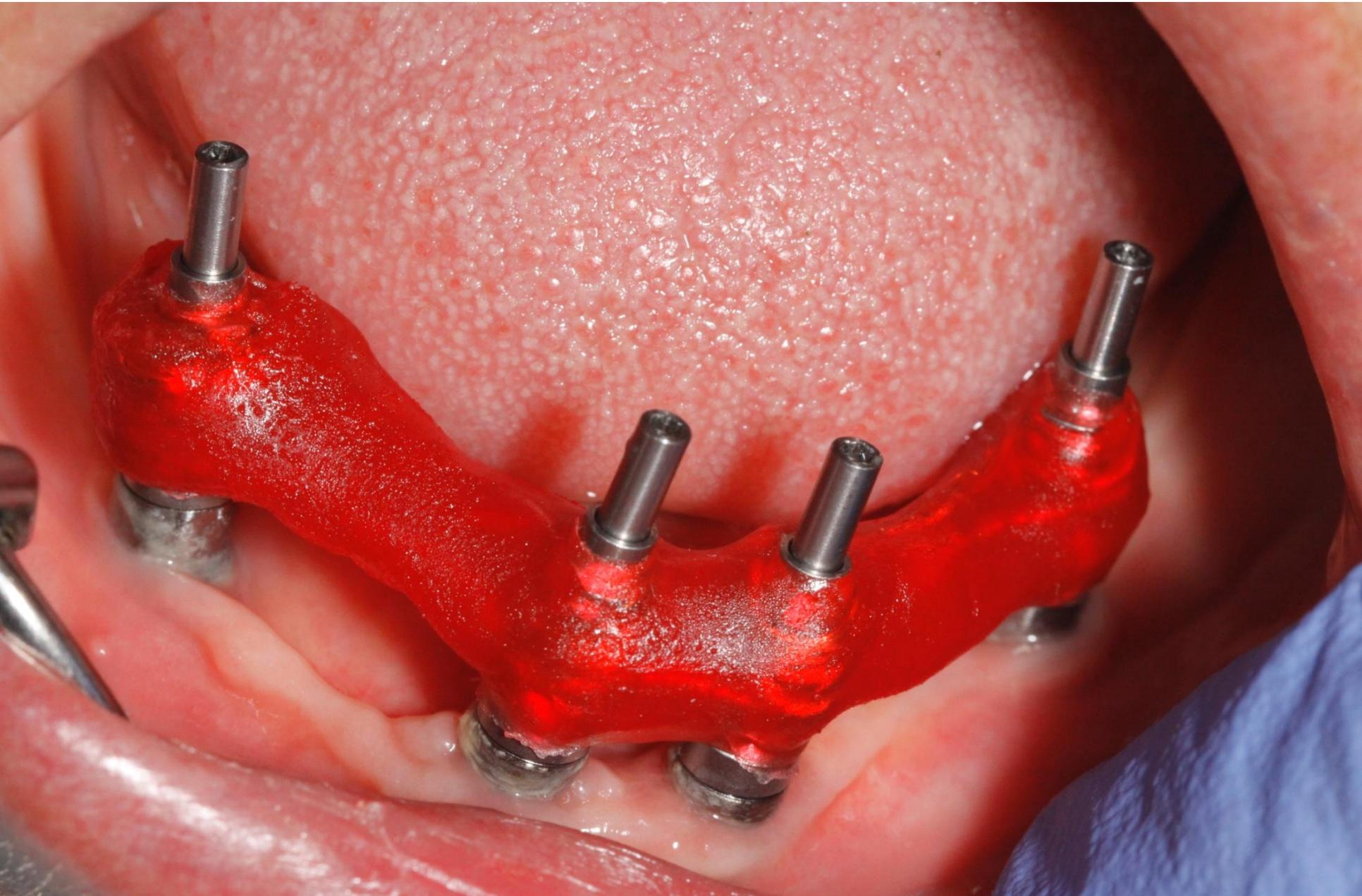
# A-1. Full Mouth / Bar Production (PIB, HybridBar/HybridBar/MilledBar) – Procedure



# Verification Jig (VJ) & Model



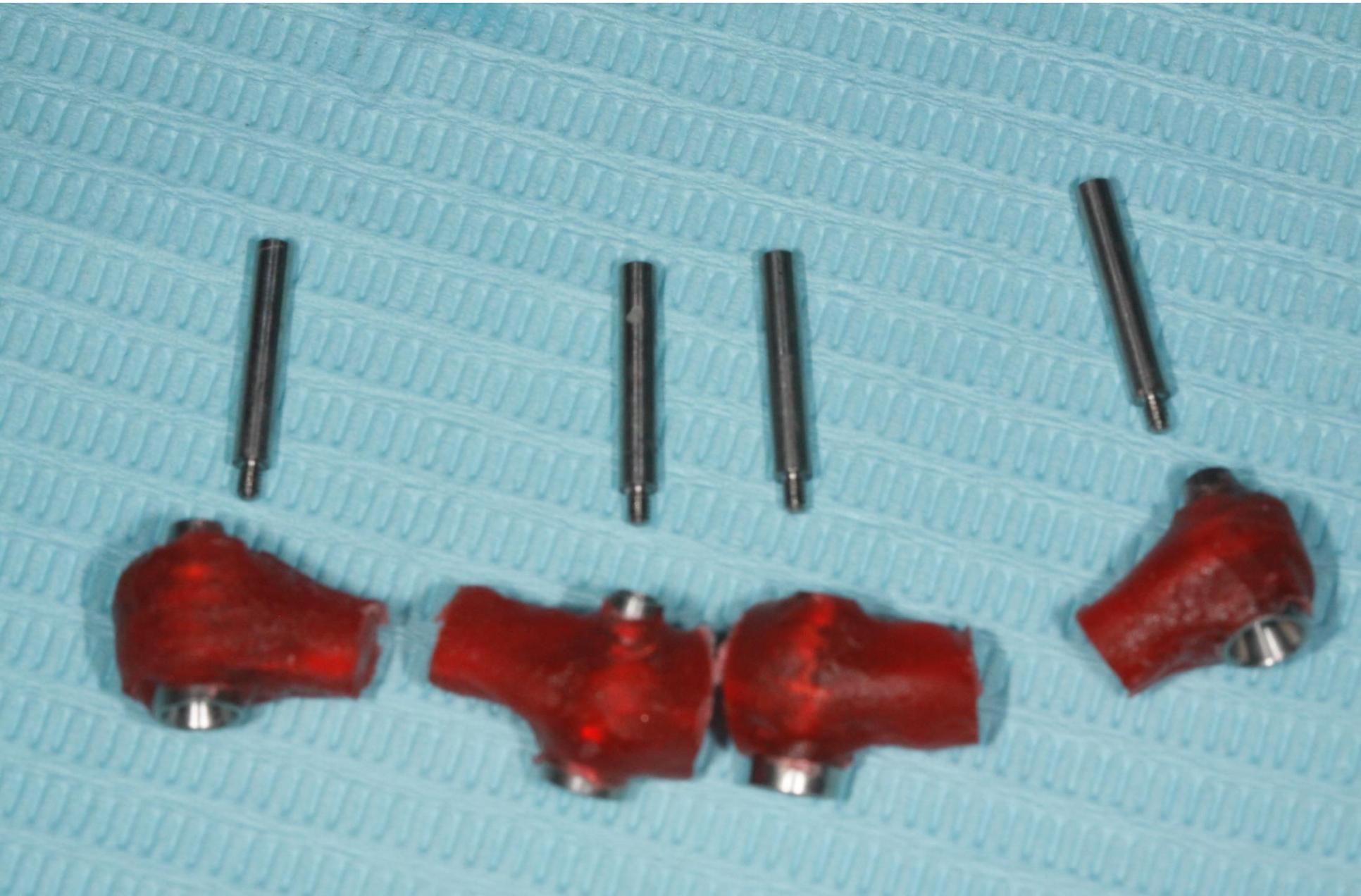
# Put Verification Jig into pt. Mouth



Take **X-Ray** to check if impression copings are fully seated:

- (1) If it fits, send Current Model back to the Lab
- (2) If it does NOT fit, section Verification Jig (see the next page)

Section Verification Jig into piece (use low speed hand piece)



# Put Sectioned Verification Jigs into pt. Mouth

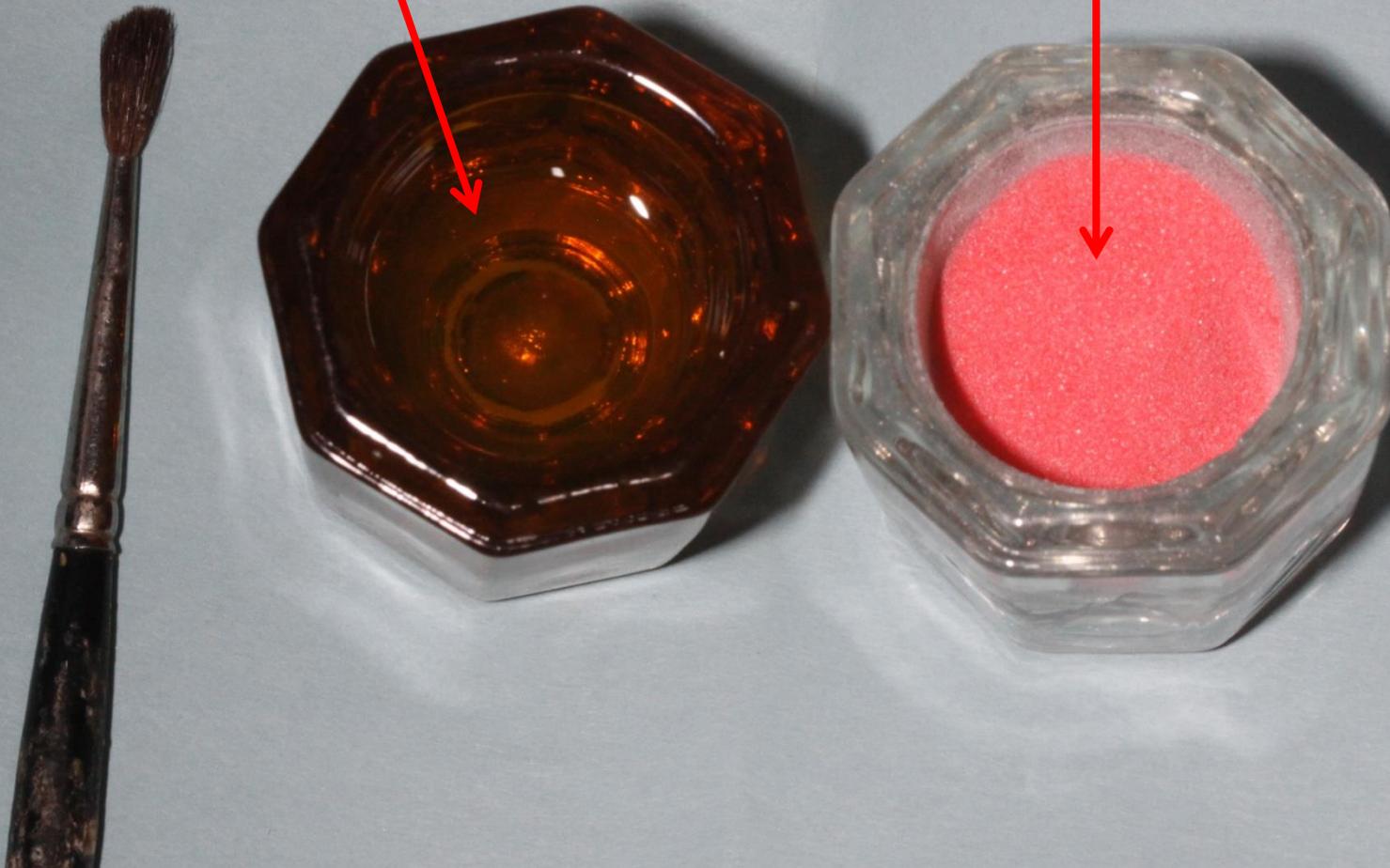


# Prepare for Luting (**Pattern Resin**, Agent & (very soft) Brush)

- The softer brush, the better result.

• Liquid

• Powder: *Pattern Resin*



## Lute Sectioned Verification Jigs to make one piece

• Apply Pattern Resin with Liquid to the gaps between Sectioned Verification Jigs by using Brush Technique

➤ **Brush Technique:** Soak brush into liquid → then apply Pattern Resin on the brush → then slightly apply Powder between Sectioned Verification Jigs (do NOT rub brush) → repeat this procedure till you finish luting both from facial side and lingual side

• Wait for about for 5 minutes to harden



# Prep for taking Impression - Customize Custom Tray & Apply Adhesive

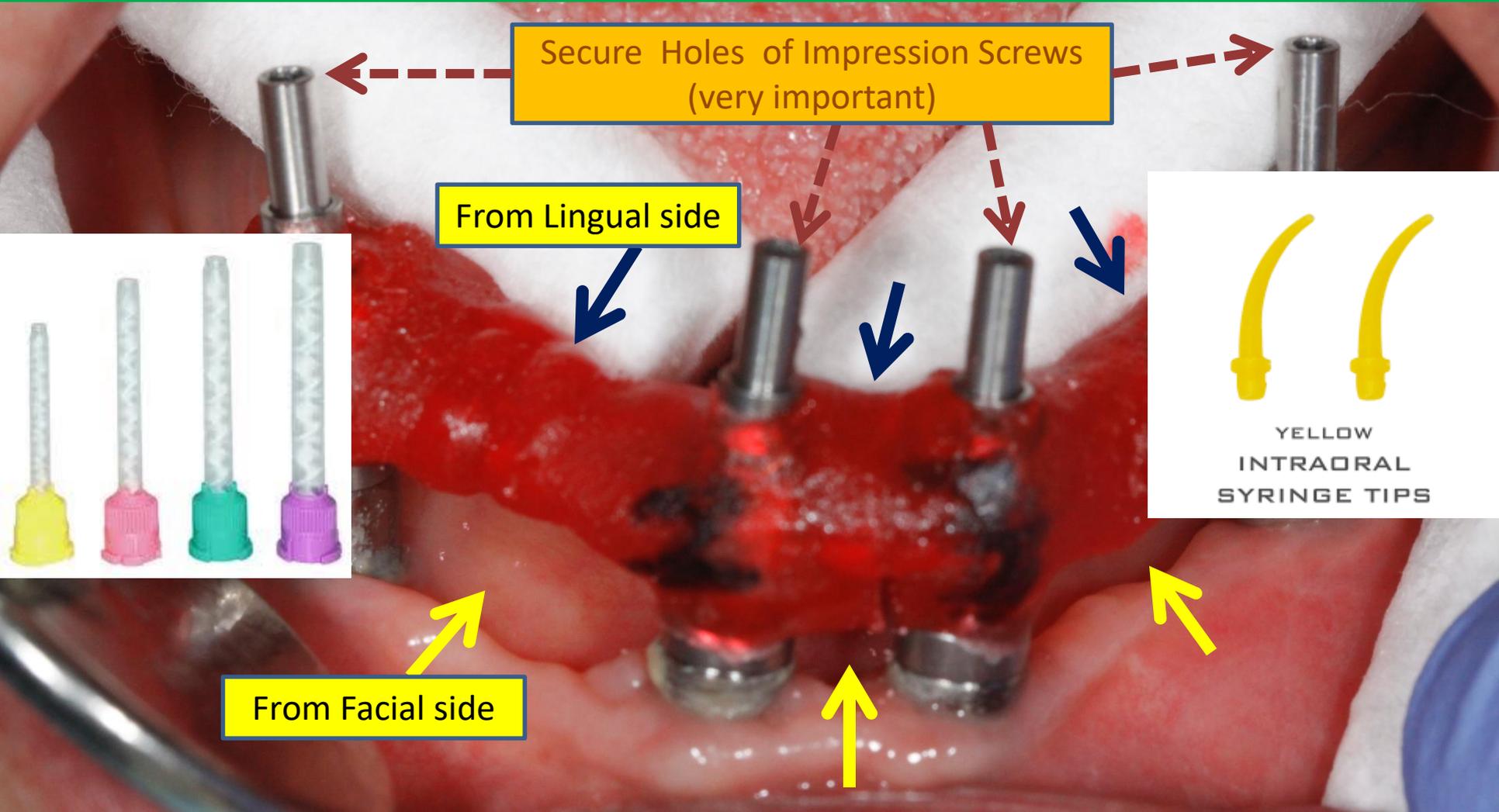
1. Check if provided Custom Tray fit for the case. Then, customize Custom Tray, if needed
2. Apply Adhesive
  - Apply Adhesive fully inside **AND** outside border of impression Tray
  - If Adhesive is only applied on the inside of the tray,
    - ✓ impression might **NOT** be secured and might be **separated** from the tray
    - ✓ Eventually, bar/crowns will **NOT** fit
3. Apply Impression Material
  1. Use Light Body to the patient mouth & Hard Body on the tray separately
  2. Apply enough Hard Body to the Impression Tray to be able to cover border of Impression Tray
  3. **Do not use putty! Putty will carry a distortion**

Impression will be separated from the tray, if Adhesive and/or Impression Material are not fully applied up to the border of Impression Tray  
→ NOT secured

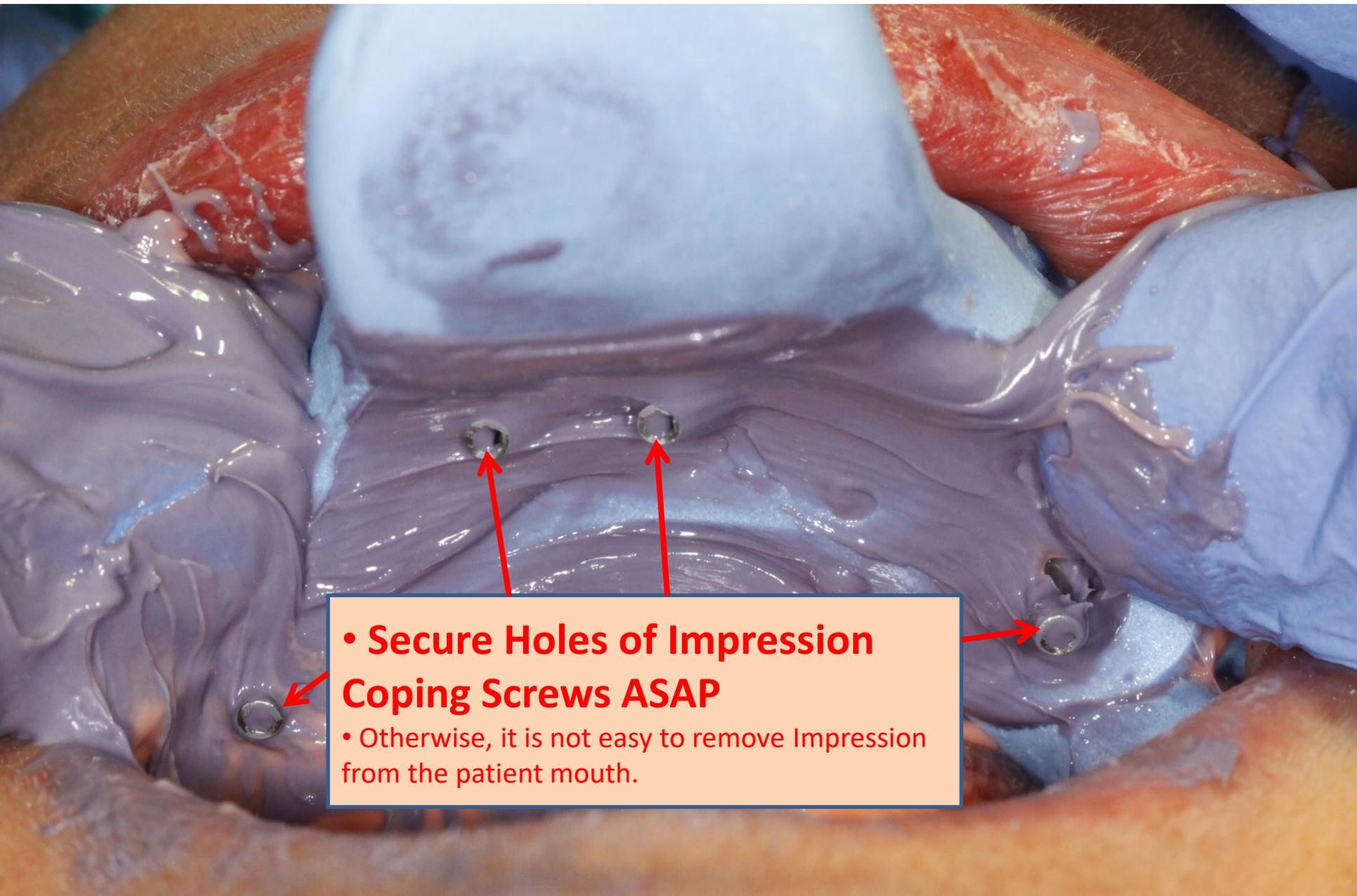


# Taking Impression

- Apply **Light Body of Impression Material** into the pt. Mouth (No gap allowed)
  - between Gum & Verification Jig
  - and from Facial side & from Lingual side
- In the Impression Tray, apply Hard Body simultaneously



## Secure Holes of Impression Coping Screws ASAP

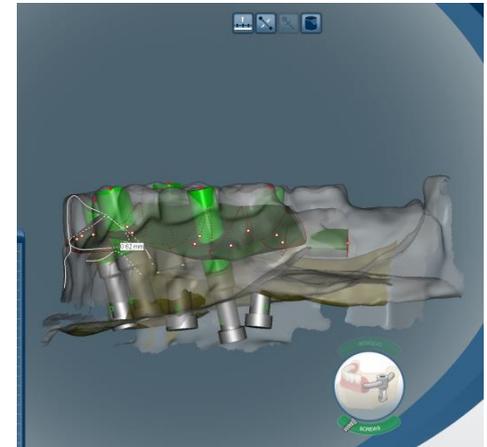
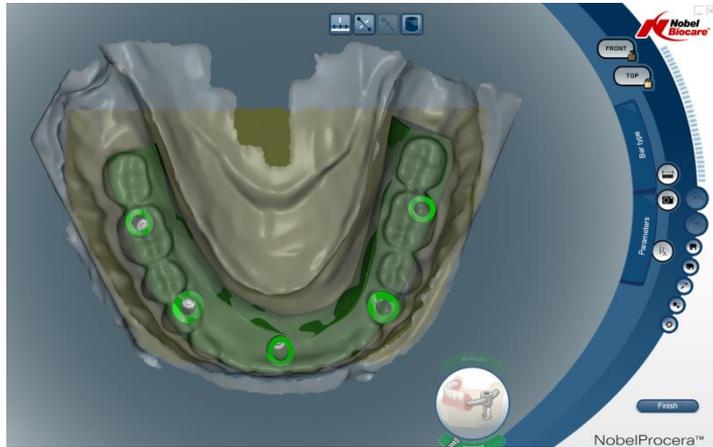


- **Secure Holes of Impression Coping Screws ASAP**

- Otherwise, it is not easy to remove Impression from the patient mouth.

# Hybrid – Fixed Bar w/ Acrylic Teeth – *Montreal Bar*

- CAD (Computer Aided Design)

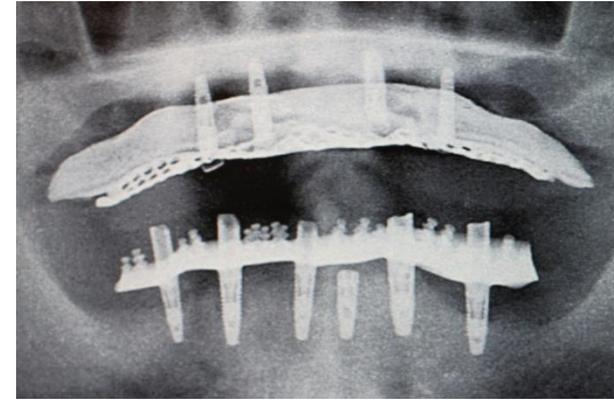


- CAM (Computer Aided Manufacturing)



# Hybrid – Fixed Bar w/ Acrylic Teeth – *Montreal Bar*

- Try-In



- Vertical Dimension

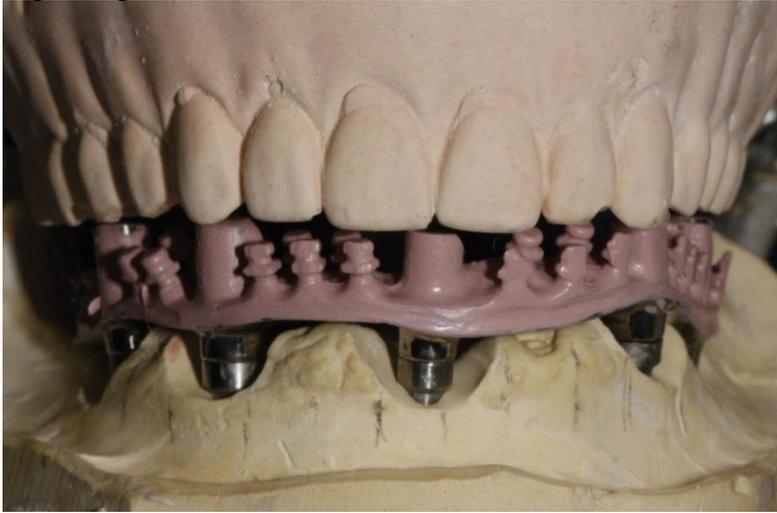


- Mid-Line



# Hybrid – Fixed Bar w/ Acrylic Teeth – *Montreal Bar*

- Opaque



- Wax Try-In



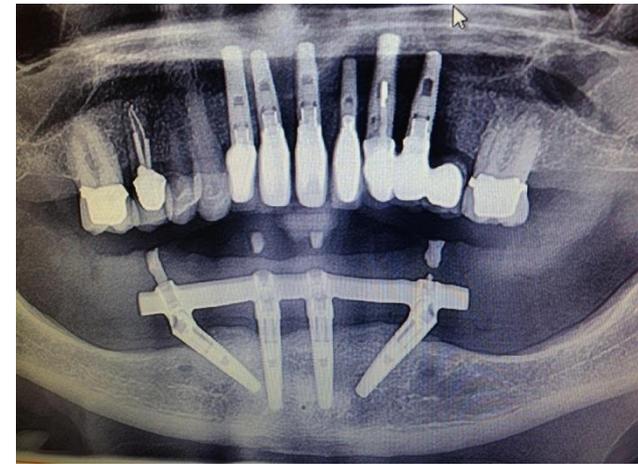
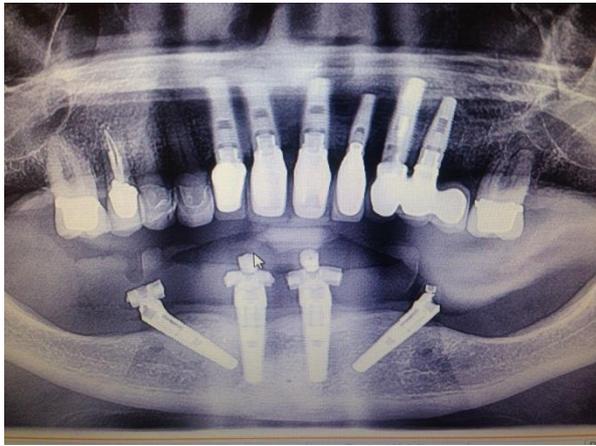
- Teeth Try-In



- Delivery



# Hybrid – Fixed Bar w/ Acrylic Teeth – *Wrap-around Bar*



We wrap acrylic around the bar



All-on-4

