



C A G E N I X TM



Diagnosis and Treatment Planning for Full Mouth Restorations

Drew Schulter, VP of Operations

C A G E N I X™

- Multiple Implant Based Restorations
- Multiple Implant Companies and Designs
- Highly Complex
- Growing Number of Doctors Offering to Patients
 - Higher Patient Acceptance
 - Education and Training



C A G E N I X™

Product Portfolio

Restorative Solutions for any Clinical Situation

ACCUFRAME™

ACCUFRAME IC™
INDIVIDUAL CROWN SYSTEM

CAGENIX 360
A Bar For Life



Proprietary & Confidential

C A G E N I X™

Keys to Success

- Appropriate Diagnostics, Impressions, and Model Work
- Prevent Errors, Minimize Repairs
 - Poor Impression- Remake Framework
 - Occlusal Scheme- Delamination of Denture Teeth/Repair Prosthesis
 - Review Flanges- Cleaning/Comfort
 - Refined Diagnostic Wax Up- Optimize Esthetics
- Maximize Chair Time and Profitability
 - Maximize Patient Visits
 - Reduce Remakes
 - Reduce Repair Scenarios



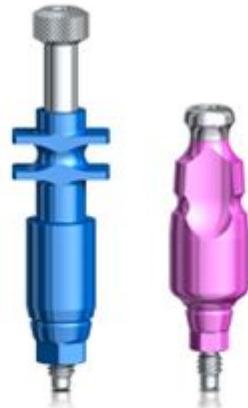
Review of Components



Implant Fixtures



Abutment



Impression Copings



Analogs



Screws



Coping

Impression Technique

- Recommend Open Tray Impression
- Properly attach Impression Copings to Implants
- Visually and tactically confirm attachment
 - Look for gaps, review movement
- Take Radiograph confirming proper attachment



*Pictures provided by Dr. Peyman Raissi, DDS
(Nashville, TN)*

Impression Technique

- Thread Floss around Impression Copings
- Position Cotton Rolls to prevent tongue and cheeks from touching the impression copings



*Pictures provided by Dr. Peyman Raissi, DDS
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Impression Technique

- Stack GC Pattern Resin or Triad TruTray material to lute Impression Copings to one another.
- Section and lute back together to relieve any pressure created by the Pattern Resin
 - Sectioning can be done out of the mouth



*Pictures provided by Dr. Peyman Raissi, DDS
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Impression Technique

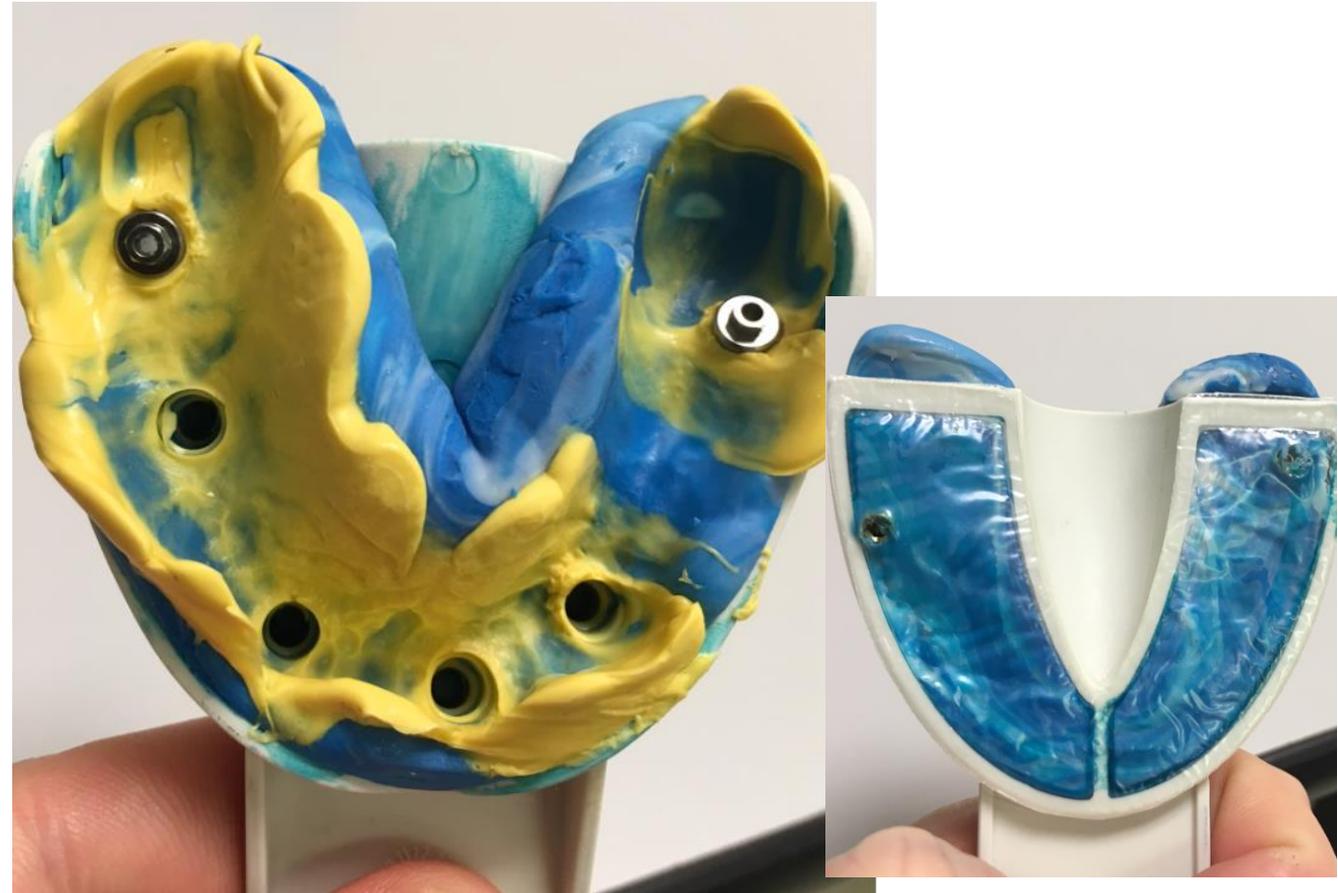
- Flow Light Bodied Impression Material around the impression copings.
- Load MiraTray or Custom Tray with Medium Bodied Impression Material.
- Position Impression Tray appropriately ensuring you have access to Impression Coping Screws
- Check Impression for voids



*Pictures provided by Dr. Peyman Raissi, DDS
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Impression Technique

- Two types of Impression Copings
 - Closed Tray and Open Tray
- Open Tray
 - More Accurate, Allows access to Screw
 - **ALWAYS** recommended for Full Mouth
- Closed Tray
 - Impression coping fully encompassed by impression material
 - Copings remain attached to implants
 - Reinsertion of Impression Coping
 - Much Less Accurate
 - Higher occurrence of misfit



Model Work

- Properly attach Analogs to Impression Copings
 - Check for misfits/gaps and movement
- Apply Soft tissue material around analogs. Remove any potential undercuts in soft tissue material



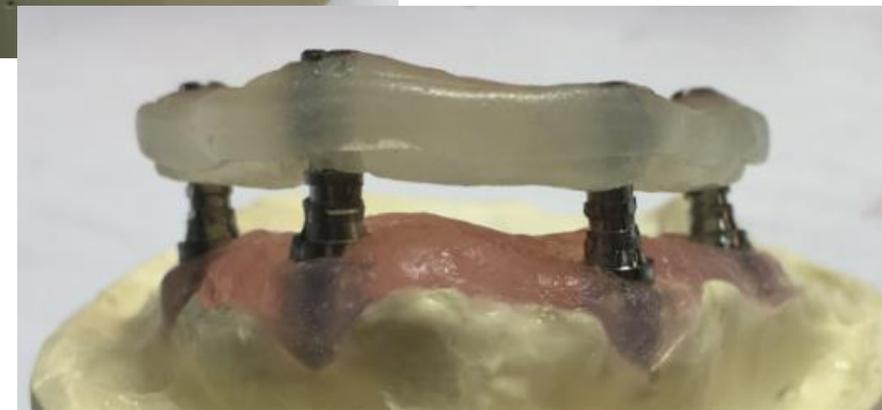
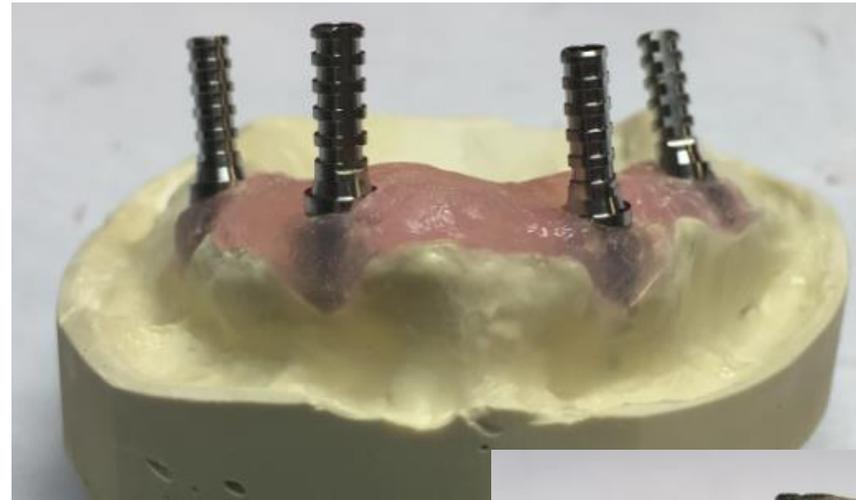
Model Work

- Pour Stone around Analogs and allow to set
- Check Stone cast for voids or defects
 - Check stone material characteristics and mixing guidelines to ensure that the stone material is suitable for a master model with minimal distortion/shrinkage/movement



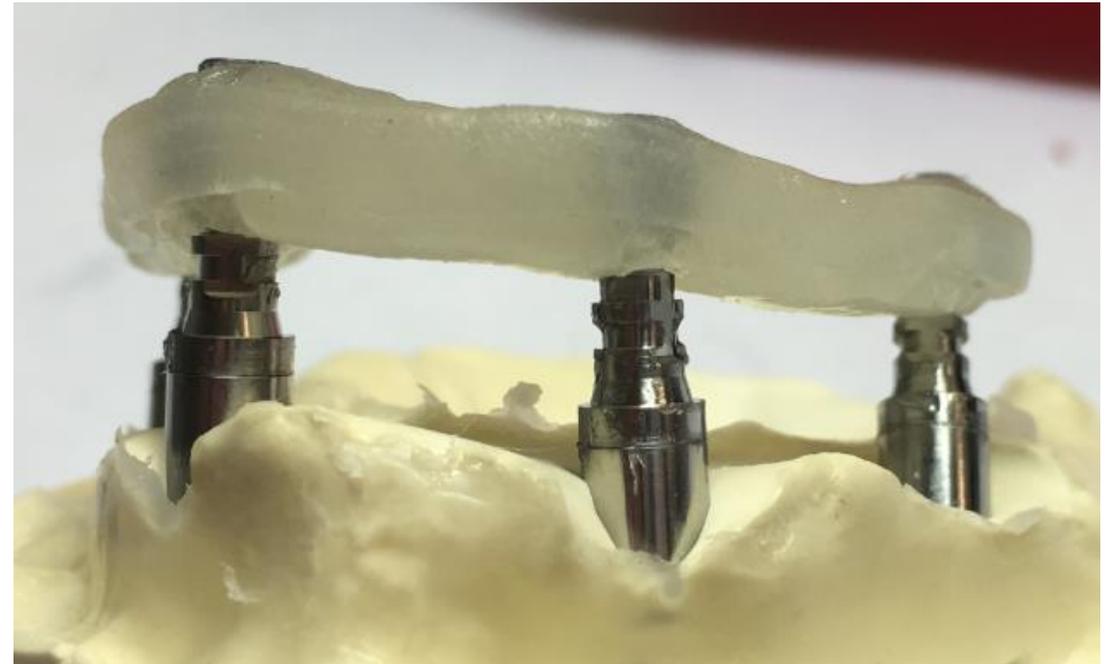
Verification Jig

- Properly attach Copings to Analogs
- Apply GC Resin or TruTray material around copings and cure appropriately
- Ensure material is not touching soft tissue contours (soft white wax)



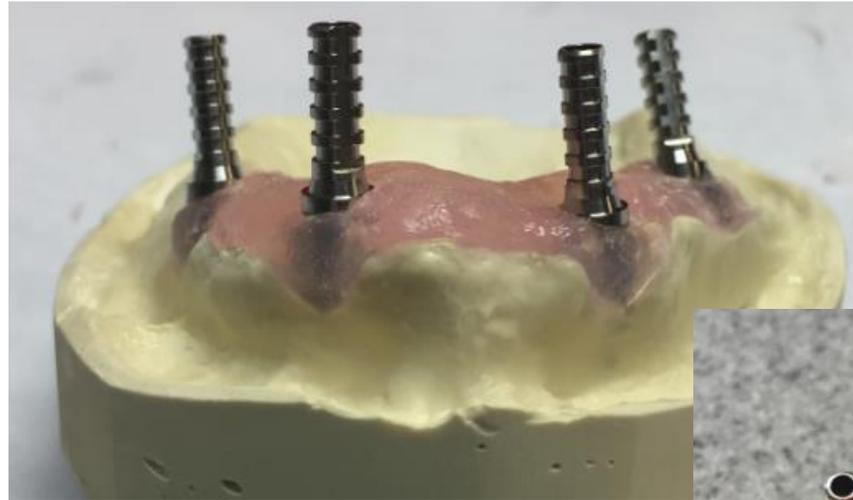
Verification Jig

- Smooth/Adjust contours with hand piece (if necessary)
- Confirm Fit on stone cast without soft tissue material
 - Single Screw Sheffield Test
- Section and Lute back together if any misfits are found
 - Orthoresin
 - GC Pattern Resin



Wax Bite Rim- Lab

- Block out any potential undercuts with wax
- Lubricate Stone Cast with Vaseline
- Properly attach Copings to Analogs (minimum of 3 copings)
- Apply base plate material around copings and cure appropriately



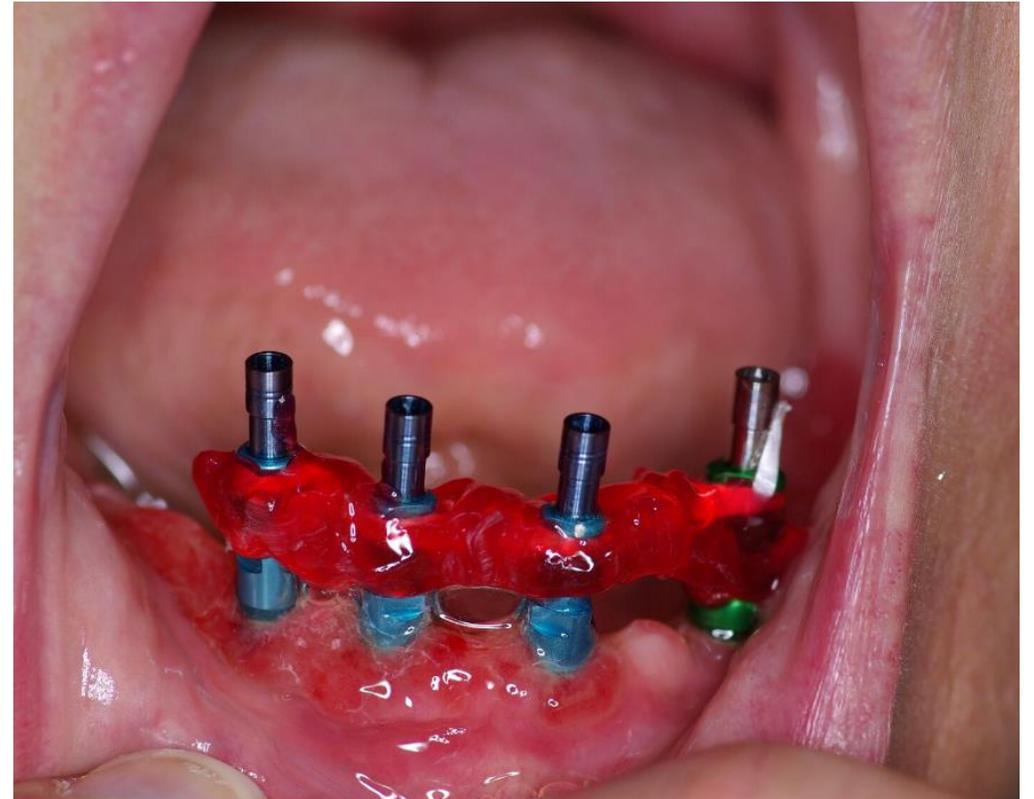
Wax Bite Rim- Lab

- Reduce copings and base plate if necessary
- Create appropriate wax rim onto base plate and copings
- Clear screw access holes
- Remove Wax Bite Rim and confirm fit



Verification Jig- Doctor

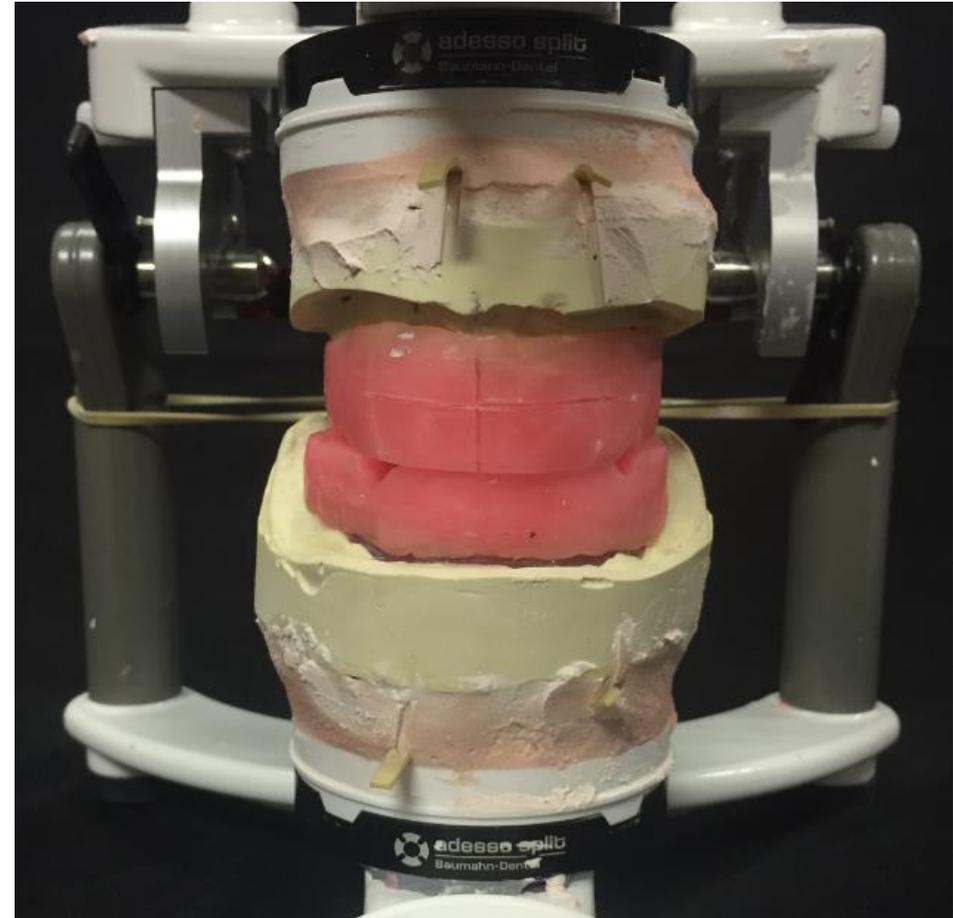
- Attach Verification Jig to implants/abutments in patient's mouth.
- Visually and tactically confirm attachment and with radiograph.
- Section and Lute back together if any misfits are found
- Large Discrepancy- Re-impress with Verification Jig in place
 - Do not proceed with Wax Bite Rim



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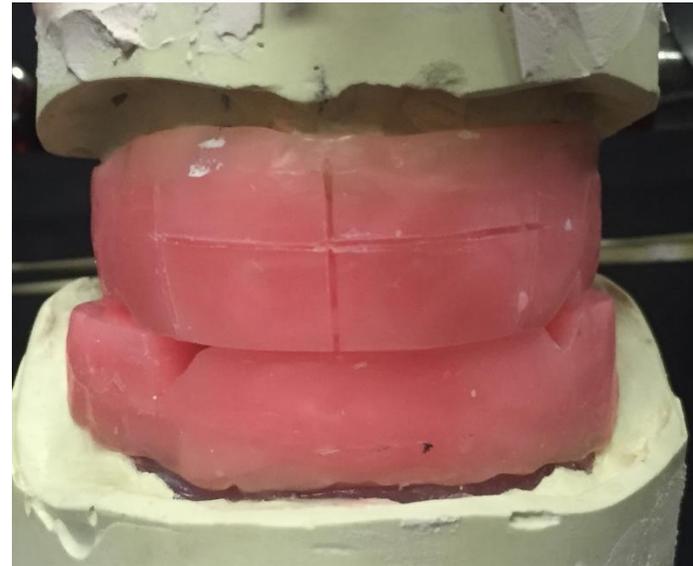
Wax Bite Rim- Doctor

- Attach Wax Bite Rims to implants/abutments in patient's mouth. Confirm proper seating tactically and with radiograph.
- Adjust Occlusal plane and buccal aspect of rim for appropriate tooth position
- Ensure Appropriate Vertical Dimension
 - Recommend 10 mm



Wax Bite Rim- Doctor

- Mark midline, canine positions, and smile line on upper wax bite rim
- Make occlusal notches on both wax bite rims and take bite utilizing impression or bite registration material



Diagnostic Wax Up- Lab

- Based upon modified rim, the diagnostic wax up is created.
- Utilizing Denture Teeth
- Optimize function and esthetics
- Occlusion
 - Recommend equal values of Overbite and Overjet
 - Group Function
 - Review Lateral Excursion and Protrusive Movements
- Sent to Doctor for a Try In



Diagnostic Wax Up- Doctor

- Try In performed
- Check occlusion, phonetics, and esthetics
- Review smile line
- Review potential issues
 - Screw Access Holes
 - Flanges
- If necessary take a new bite and send back for adjustments



Ready for Restoration!

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