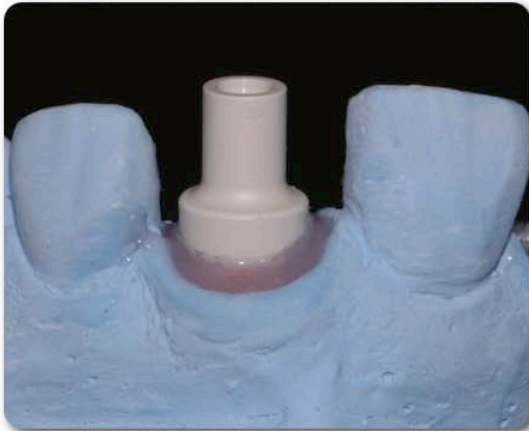
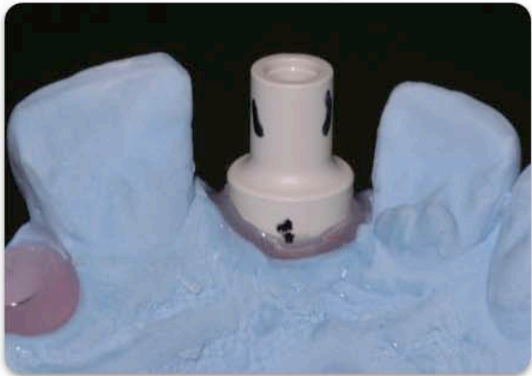


Provisional Fabrication - #9

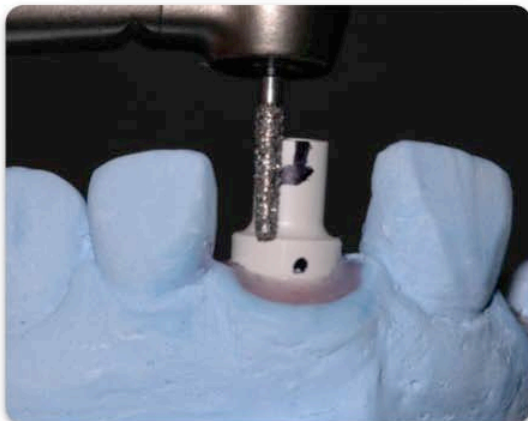


- This exercise will utilize the Bone Level Implant 4.1mm temporary abutment to fabricate a cementable provisional restoration.
- STEP 1: Place the abutment (made out of peek) with the SCS driver onto the implant analog #9.



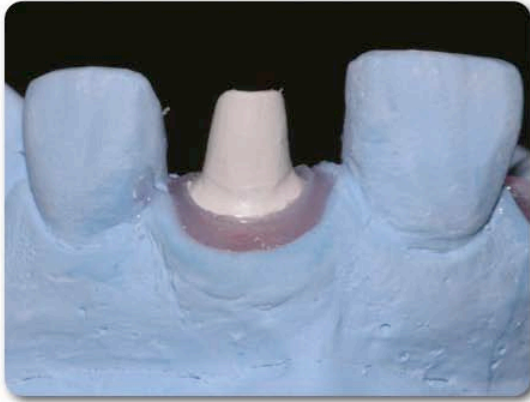


- STEP 2: Visualizing the required reduction in facial, palatal and incisal dimensions, mark landmarks with a bur or marker. This will allow you to perform adequate reduction extra-orally.
- NOTE: In a clinical situation, preparation of the temporary abutment can be done either intra- or extra-orally.

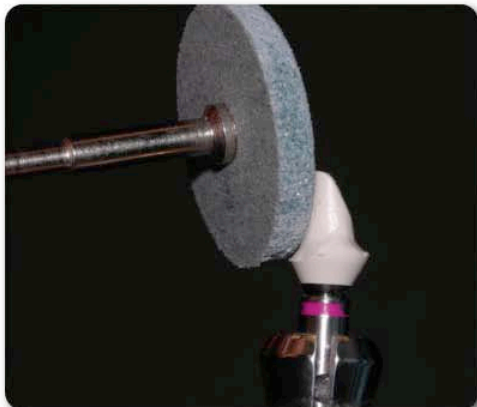


- STEP 3: The temporary abutment is removed from the model and placed onto a lab analog anchored in a holder. Keeping mind to the reduction planes, prepare the peek material with a high-speed coarse diamond or a lab carbide bur.
- Note: The abutment can also be prepared on the model with the high speed handpiece.





- Place the abutment onto the model to confirm that proper reduction is being achieved.
- The vacuform matrix can be utilized to confirm adequate reduction planes.

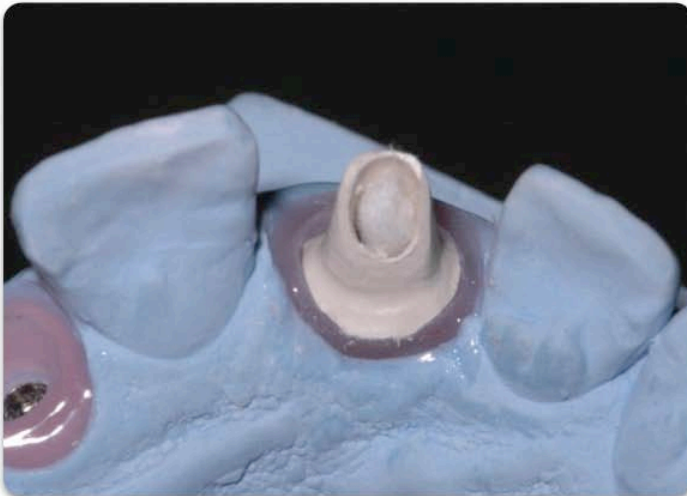
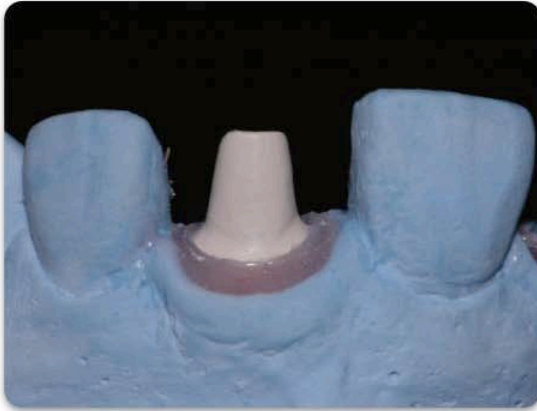


- STEP 4: When the preparation is complete, a Renfert Polisoft wheel (or similar material) can be utilized to smooth the surface of the meso-abutment.
- NOTE: Operate the wheel in a slow RPM with light pressure to prevent excessive removal of peek material.



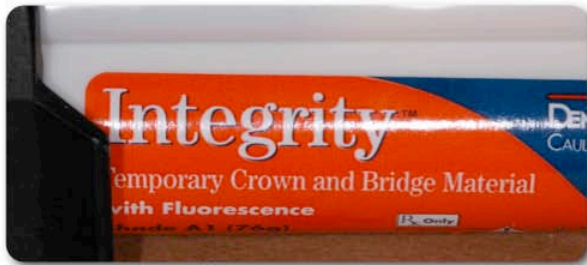


- Prepared temporary abutment, ready for provisional fabrication.



- STEP 5: Place the abutment onto the model, lightly tighten the abutment screw and seal the access hole with a cotton pledget.



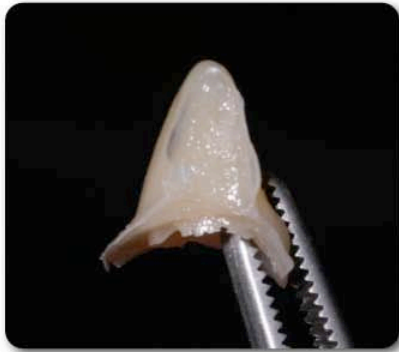


- STEP 6: Brush vaseline onto the abutment and the adjacent teeth. Be sure to isolate and block-out interproximal undercuts on the adjacent teeth. Gather your provisional material for injection around the abutment and into the vacuform template.



- Inject the provisional material around the margin of the temporary abutment and into the vacuform matrix. Set the matrix on the model and allow the material to set for 2 minutes prior to removing.





- STEP 7: Remove the vacuform matrix. Tease out the provisional restoration. If the cotton pledget was retained in the provisional, remove it.
- Place the abutment and provisional onto a laboratory analog. Remove excess material from the provisional restoration.



- STEP 8: After removal of the excess material, prepare the surfaces with a bonding agent prior to filling the voids with a flow-able composite material.





- Flow the composite material into the voids and along the margin. Light-cure for 20 seconds. Upon achieving a full cure, finalize the provisional's emergence and polish the surfaces.



- The provisional restoration ready to place back onto the model.





- Frontal view of the temporary abutment and provisional on the model.
- In the clinical setting, the SCS abutment screw would be tightened to 15Ncm and then covered with a cotton pledget. A temporary cement of choice would be utilized to cement the provisional onto the abutment followed by an occlusal adjustment.

