

Implant Instructions: Fixture level impression and abutment seating technique

The following steps must be followed to ensure properly seated abutment(s):

Step one: Taking final impression

1. With implant screwdriver, remove healing abutment(s) (figure 1).
2. Seat impression coping (transfer assembly) and take x-ray to confirm complete seating—no platform gap (figure 2).
3. Take final impression (lab requires the following items: final impression (no triple tray impressions), opposing model, bite registration, analog(s), abutment(s), lab try-in screw or final gold screw; G&H can purchase implant parts if requested).

Step two: Seating abutment(s)

4. Place custom-made index (red dura-lay pattern) on to the abutment(s) on model (figure 3).
5. Loosen and remove screw(s) with driver from model and carefully transfer abutment(s) and index in one piece to patient's mouth (figure 4).
6. With index still in place, slowly hand-tighten screw(s) until screw(s) are slightly engaged (figure 5)(Index is only to help to transfer abutment(s); do not rely on the index for proper position).
7. Remove index and use your fingers to check if the abutment(s) are properly engaging the hex and platform (figure 6). Abutment(s) should not rotate to the right or to the left; if there is any rotation, abutment(s) are not properly seated, in which case you will need to manually rotate to find the proper position. If you are unable to find the proper position, place abutment(s) back on model with the index and repeat step 4. Use only light finger pressure on driver/screw until x-ray confirms proper position (heavy finger pressure can damage the external hex of the implant or abutment if it is not seated in the correct position).
8. Take x-ray to ensure proper seating. Make sure there is no gap between implant and abutment's platform. If there is a gap (figure 7a), loosen screw(s) one to two turns and use finger pressure to try to fully seat abutment(s). If successful, lightly retighten screw and retake x-ray (figure 7b).
9. Once x-ray has verified proper abutment seating, tighten screw with torque wrench to manufacturer recommendation (figure 8).
10. Try-in the restoration (figure 9). Restoration should seat passively.
11. Fill screw access hole with cotton ball and seal it with composite or similar material.
12. Cement in final restoration.

Troubleshooting Tips:

- a. For single crown or bridge—If restoration does not fully seat, check the following:
 - i. Interproximal contacts
 - ii. Abutment position/rotation may be off one hex position clockwise or counterclockwise (repeat steps 4–9)
- b. For frame try-in (If framework does not fully seat, sectioning framework may be necessary)
 - i. Cut framework through the middle of pontic
 - ii. Dura-lay framework back together and take a pick-up impression with framework in the mouth.
 - iii. Return impression with framework, abutment(s), and all models back to laboratory for soldering.
 - iv. Case will require an additional frame try-in.

Please feel free to contact G&H Technical Support Team if you have questions:

Figure 1

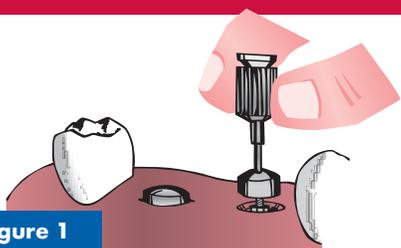


Figure 2



Figure 3



Figure 4

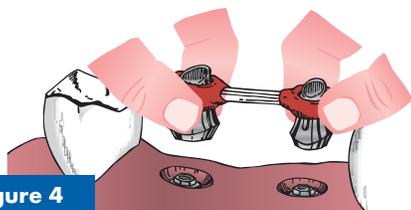


Figure 5

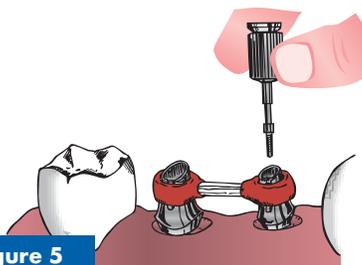


Figure 6

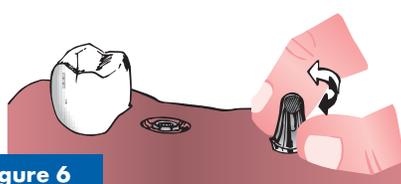


Figure 7a

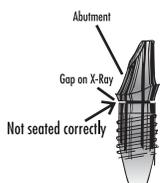


Figure 7b

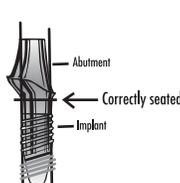


Figure 8

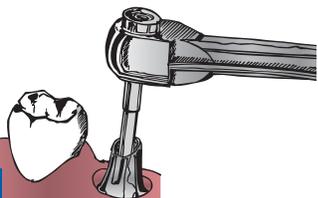
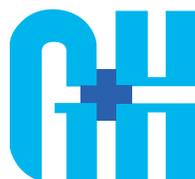
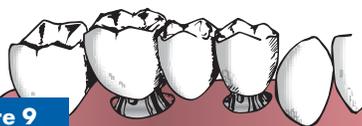


Figure 9



G&H Dental Arts, Inc.
4212 Artesia Blvd.
Torrance, CA 90504
310-214-8007
800-548-3384
www.gandhdental.com