

DTP

DIGITAL TREATMENT PLANNING

STEP-BY-STEP CLINICAL GUIDE — SURGICAL APPOINTMENT



FOR USE WITH MULTI-LEVEL SURGICAL GUIDES

Multi-Level Surgical Guide with Treatment Plan

What's included:

- ✓ Treatment Plan
- ✓ 30-Minute Telephone Review Session
- ✓ Foundation (Bone Reduction) Guide with Mounting Guide
- ✓ Osteotomy Guide
- ✓ Interlocking Pins

Multi-Level Surgical Guide with Treatment Plan and Immediate Provisional

What's included:

- ✓ Treatment Plan
- ✓ 30-Minute Online Review Session
- ✓ 3D-Printed Bone Reduction Model
- ✓ Foundation (Bone Reduction) Guide with Mounting Guide and Interlocking Pins
- ✓ Osteotomy Guide
- ✓ Prosthetic Delivery Guide
- ✓ Four Multi-Unit Abutments
- ✓ Four Stock Temporary Cylinders
- ✓ Immediate Fixed Screw-Retained Provisional Implant Prosthesis

Ultimate Multi-Level Surgical Guide Package

What's included:

- ✓ Treatment Plan
- ✓ 30-Minute Online Review Session
- ✓ 3D-Printed Bone Reduction and Analog Models
- ✓ Foundation (Bone Reduction) Guide with Mounting Guide and Interlocking Pins
- ✓ Anchor Pins
- ✓ Osteotomy Guide
- ✓ Prosthetic Delivery Guide
- ✓ Multi-Unit Abutments
- ✓ Custom Gasket for Relining Prostheses
- ✓ One Set of Stock Temporary Cylinders
- ✓ Implant Verification Prosthesis
- ✓ One Set of Custom Precut Temporary Cylinders
- ✓ Immediate Fixed Screw-Retained Provisional Implant Prosthesis
- ✓ One Set of Blockout Shims



Step 1: Reflect a full-thickness flap, extending the flap to ensure the guide fully seats on the bone.



Step 2: Connect the foundation guide to the mounting guide with the interlocking pins.



Step 3: Try in the connected foundation and mounting guide, and verify the fit by ensuring the guide does not rock and is flush with the bone.

Step 4: Holding the guide in place, drill osteotomies for the anchor pins and then place the anchor pins.



Step 5: Remove interlocking pins and the mounting guide.



Step 6: Reduce bone to the level of the foundation guide. The reduction can be verified utilizing the platform of the prosthetic delivery guide.



Step 7: Seat the osteotomy guide on top of the foundation guide and insert the interlocking pins.



Step 8: Sequentially drill osteotomies according to the guided surgical protocol or implant manufacturer's recommended guidelines.



Step 9: Place implant(s) according to the manufacturer's recommended guidelines.



Step 10: Remove interlocking pins and the osteotomy guide.



Step 11: Verify implant stability (ISQ value method is shown).

Step 12: Based on the torque and stability of the implant, determine the best loading protocol:

- Cover Screw — hand-tighten
- Healing Abutment — hand-tighten
- Multi-Unit Abutment — implant manufacturer's recommended torque value

Step 13: If the primary stability and torque are sufficient for immediate loading, proceed to seat the prosthetic delivery guide and insert the interlocking pins.



Step 14: Seat the multi-unit abutments (MUAs) and torque into place (the positions of angled MUAs will be indicated on the surgical guide).

Step 15: Remove interlocking pins and the prosthetic delivery guide.



Step 16: Place a gasket for picking up the immediate fixed screw-retained provisional around the MUAs.



Step 17: Re-seat the prosthetic delivery guide and insert the interlocking pins.



Step 18: Seat and hand-tighten the temporary cylinders.

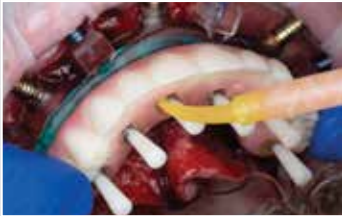


Step 19: Seat the immediate screw-retained provisional implant prosthesis on the prosthetic delivery guide.

Step 20: Verify that the provisional is fully seated and flush with the delivery guide, and that there is a minimum of 1 mm of space around the titanium cylinders. Make adjustments if necessary.



Step 21: Insert blockout shims into each titanium cylinder.



Step 22: Flow pick-up material into the acrylic channels, securing each titanium cylinder to the immediate provisional implant prosthesis.



Step 23: Remove the blockout shims and unscrew the prosthesis with the luted titanium cylinders.



Step 24: If an implant verification prosthesis was provided, repeat steps No. 18–22 with the second set of temporary cylinders.

Step 25: Complete the conversion process by performing the following steps with the prosthesis outside of the patient's mouth:

- Cut cylinders if necessary
- Fill in voids with composite or pick-up acrylic
- Adjust and polish the prosthesis
- If an implant verification prosthesis was provided, repeat the same steps

Step 26: Remove the anchor pins allowing the foundation guide and prosthetic delivery guide to be detached.



Step 27: Place MUA cover caps to assist in suturing.

Step 28: Contour and suture soft tissue.

Step 29: Remove the MUA cover caps.



Step 30: Seat the provisional and torque the prosthetic screws according to the manufacturer's recommendations.

Step 31: Place Teflon® tape into the access channels covering each prosthetic screw.



Step 32: Close access channels with the material of choice.



Step 33: Verify occlusion and polish. Ideally, there should be minimal working and non-working contacts, with evenly distributed centric contacts to provide freedom of movement while minimizing lateral stresses on the implants.



Step 34: Take radiograph to confirm implant positioning.

For more information
[glidewell.com/dtp](https://www.glidewell.com/dtp) ■ 866-497-3692

