The BruxZir® Solid Zirconia Full-Arch Implant Prosthesis offers a fixed, all-zirconia implant solution for edentulous patients desiring a stable and esthetic replacement for removable prostheses. Constructed from 100% BruxZir Solid Zirconia, this fully edentulous restoration offers exceptional resistance to chips, fractures and stains while improving chewing and speech function. A provisional CAD/CAM implant prosthesis is included, which functions as a temporary appliance and allows for patient evaluation of the definitive prosthesis.

**FIRST Appointment**

**Preliminary Impression**

Before moving forward with the BruxZir Full-Arch Implant Prosthesis option, consider anterior-posterior spread and keep in mind that 10 mm or more of vertical clearance is required. Although a closed-tray impression technique is described here, open-tray impressions are acceptable.

- Take an implant-level impression, including the vestibules. Ensure the palate is included for maxillary impressions.
  - a. Remove the healing abutments or appliance from the implants. If the patient has multi-unit abutments in place, take an abutment-level impression.
  - b. Seat the impression copings and tighten the screws (**Fig. 1**). Take a periapical radiograph to verify complete seating. Check the impression tray for proper fit.
  - c. Take a VPS impression of the edentulous arch (**Fig. 2**). Allow the material to completely set, carefully remove the impression tray, loosen the screws and remove the impression copings.
  - d. Replace the healing abutments or appliance.
  - e. Carefully place the impression copings back into the impression (**Fig. 3**).
  - f. Fill out lab Rx including implant system and diameter of implants. If a bite splint is desired (additional fee), check the appropriate box on the Rx. Send the lab Rx in with the case.
SECOND Appointment
Jaw Relation Records and Shade Selection

You will receive from Glidewell Laboratories a bite block with screw-retained temporary cylinders and a wax-rim checklist (Fig. 4).

- Remove the healing abutments or appliance from the implants.
- Seat the bite block and gently tighten the screws by hand (Fig. 5).
- With the patient sitting up, use conventional denture technique to achieve accurate jaw relation records (Fig. 6).
- Unscrew the cylinder screws and remove the bite block.
- Replace the healing abutments or appliance.
- Take an impression of the opposing dentition and an impression of current denture for study model. The study model of the patient’s existing denture can be used as a reference regarding the size and shape of the new teeth.
- Select the shade and mold of the denture teeth; select the gingival shade.
- Return the entire case to Glidewell, including the working model, bite block, bite registration, opposing impression and shade selection.

Note: The final restorative option is determined following the Second Appointment, after your bite block has been received. At this point, Glidewell Laboratories may determine that multi-unit abutments are required to correct implant angulation, accommodate screw access holes that are too far to the facial, or connect the prosthesis to implants that are more than 2 mm subgingival. In these cases, the lab will contact the doctor to provide information concerning treatment options and pricing.

THIRD Appointment
Setup Try-in, Verification Jig and Final Impression

You will receive from Glidewell Laboratories a wax setup, a custom tray and an implant verification jig. If multi-unit abutments are required, they will also be provided.

Setup Try-in
A wax setup is provided with temporary cylinders and a checklist.

- Remove the healing abutments or appliance. If multi-unit abutments were supplied by Glidewell, deliver the multi-unit abutments in the same sequence and positions represented on the model.
Seat the wax setup (acrylic base with teeth in wax). Tighten the temporary cylinder screws by hand (Fig. 7).

Evaluate the VDO, CR, esthetics, shade, tooth arrangement, occlusion, phonetics and midline (Fig. 8). Make adjustments as necessary. If CR is incorrect, a new bite registration should be taken.

Send clinical photos per the checklist included with the case.

Unscrew the temporary cylinder screws and remove the setup.

If a reset is necessary, a new bite registration should also be taken (Fig. 9).

**Verification Jig**

To ensure a passive fit of your restoration, it is vital to obtain an accurate final impression. A custom tray is provided along with an implant verification jig that has been sectioned and numbered on a working model. Each acrylic section contains a titanium cylinder. This procedure should be followed to ensure an accurate final impression.

Seat each section of the jig onto the appropriate implant or multi-unit abutment and tighten the guide pin (Fig. 10).

- The sections should not be in contact. If necessary, remove one section, minimally trim it with a disc, and reseat it. Each section should have a gap about the thickness of a credit card. Visually verify gaps before luting.

Lute the sections together with a suitable material (e.g., Triad® DuaLine® – DENTSPLY; Pattern Resin® – GC America; Zapit® – Dental Ventures of America or ADDS-IT – American Diversified Dental Systems) (Fig. 11).

- Allow the material to flow through and completely around the gaps (Fig. 12).

- Ensure the material is completely cured.

**Optional** – If desired, the clinician can test the passivity of the jig with a one-screw test. Tighten a single guide pin into one of the distal cylinders. No lifting of the jig should occur. Check for a passive fit by visibly inspecting completely around each cylinder for complete seating. This process can be repeated for each implant.

- If any section has a cylinder-implant interface that is subgingival, a periapical radiograph should be taken to verify complete seating.

- If any cylinder is not completely seated, the jig must be sectioned in that area, reluted and rechecked until a passive fit is obtained.

**Final Impression**

- Check the custom impression tray for proper fit, ensuring no contact with the jig or cylinders (Fig. 13).

- Using a medium body VPS material, take the final impression with an open-tray technique.
BruxZir® Solid Zirconia Full-Arch Implant Prosthesis
(Protocol A – Includes Wax Setup)

a. Inject VPS impression material under and around the jig to capture the ridge and all anatomical landmarks as for a full denture including full vestibular extensions (Fig. 14). Capture the complete palate for maxillary cases.

b. Completely fill the impression tray. Seat the filled impression tray, ensuring the heads of the guide pins are exposed through the tray (Fig. 15).

c. Once the material has set, remove guide pins and then remove the impression.

   Note: the verification jig is picked up in the impression. Inspect the impression for the required detail.

Replace the healing abutments or appliance. If multi-unit abutments were supplied by Glidewell, leave them in place if possible.

Send in entire case, including the wax setup, the working cast and opposing model, the final impression containing the implant verification jig and guide pins, and lab Rx with reset instructions (if necessary).

**RESET** Appointment

Reset Wax Setup Try-in (if necessary)

You will receive from Glidewell Laboratories a reset wax setup with temporary cylinders.

☐ Try-in reset wax setup according to Third Appointment instructions.

☐ Approve setup or submit lab Rx with reset instructions.

**FOURTH** Appointment

Delivery of Provisional CAD/CAM Implant Prosthesis

You will receive from Glidewell Laboratories the provisional CAD/CAM implant prosthesis. The provisional prosthesis serves as a temporary appliance and allows the patient a trial period to evaluate the prosthesis design prior to final fabrication. A trial period of one to four weeks is recommended.

☐ Remove the healing abutments or appliance.

☐ Seat the provisional prosthesis on the implants or multi-unit abutments.

☐ Hand tighten the prosthetic screws, alternating from one side to the other.

☐ Tighten the screws to the appropriate torque per manufacturer instructions (Fig. 16). Wait approximately 5 minutes and retorque the screws.

☐ Confirm the occlusion. Make adjustments as necessary.

Figure 11: Luting sections of the implant verification jig.

Figure 12: Implant verification jig luted together.

Figure 13: Check fit of the custom tray over the implant verification jig.

Figure 14: Inject impression material under the implant verification jig.
Place a small amount of cotton in the screw access holes and fill with light cure composite or acrylic to prevent bacteria build-up (Fig. 17).

When the patient is ready for the final prosthesis, return the master cast and opposing model. If any adjustments were made to the provisional CAD/CAM implant prosthesis, return the provisional appliance and list the adjustments on the prescription. Check the appropriate box on the Rx if a bite splint is desired but has not yet been prescribed.

Notes: (1) If adjustments are required, the final restoration cannot be fabricated until the provisional has been returned. (2) Due to the potential of a bite discrepancy caused by occlusal wear, provisionals worn by the patient longer than four weeks must be returned and may incur a redesign fee.

FIFTH Appointment

Delivery of Final Prosthesis

You will receive from Glidewell Laboratories the final prosthesis. If prescribed, you will also receive a bite splint.

- Remove the healing abutments or appliance.
- Seat the final prosthesis on the implants or multi-unit abutments.
- Hand tighten the prosthetic screws, alternating from one side to the other.
- Tighten the screws to the appropriate torque per manufacturer instructions. Wait approximately 5 minutes and retorque the screws (Fig. 18).
- Confirm the occlusion (Fig. 19). Make adjustments as necessary.
- Place a small amount of cotton in the screw access holes and fill with light cure composite or acrylic to prevent bacteria build-up (Fig. 20).

Note: Tooth-colored composite or acrylic should be used for access holes in the teeth, while pink composite or acrylic should be used for access holes in the prosthesis base.
ONE Week

Follow-Up Check

- Check occlusion.
- Review oral hygiene instructions.
- Set recall schedule.

MAINTENANCE Appointments

How to Maintain Final Prosthesis

- Six-month hygiene appointment
  - a. Perform prophylaxis under the prosthesis.
- Twelve-month (annual) hygiene appointment
  - a. Remove prosthesis for thorough cleaning.
  - b. If prosthesis screws are damaged or show signs of stripping, screws should be replaced.

Figure 19: Confirm occlusion.

Figure 20: Occlusal view of the final prosthesis in place following sealing of the screw access holes.
Predictable implant lab fees and no hidden costs
Price (per arch) includes: provisional prosthesis; final prosthesis; all labor, model and die work; analogs, set-ups, bite blocks, try-ins and verification jigs.

**BruxZir Solid Zirconia Full-Arch Implant Prosthesis**
*Price does not include multi-unit abutments and may vary when original equipment manufacturer (OEM) components are requested or required for the chosen implant system. Half of payment is due after first appointment; half is due at final delivery. Bite splint is available for an additional fee and requires an additional three days for fabrication.*

### Quick Reference

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**800-839-9755**
glidewelldental.com
The BruxZir® Full-Arch Implant Prosthesis offers a fixed, all-zirconia implant solution for edentulous patients desiring a stable and esthetic replacement for removable prostheses. Constructed from 100% BruxZir Solid Zirconia, this fully edentulous restoration offers exceptional resistance to chips, fractures and stains while improving chewing and speech function. A provisional CAD/CAM implant prosthesis is included, which functions as a temporary appliance and allows for patient evaluation of the definitive prosthesis. Indicated for single-arch restorations only, the all-CAD process replaces the wax setup with a digitally designed PMMA try-in appliance, which is easily adjusted and eliminates the risk of damage during transit that can occur with wax setups.*

**FIRST Appointment**

**Preliminary Impression**

Before moving forward with the BruxZir Full-Arch Implant Prosthesis option, consider anterior-posterior spread and keep in mind that 10 mm or more of vertical clearance is required. Although a closed-tray impression technique is described here, open-tray impressions are acceptable.

- Take an implant-level impression, including the vestibules. Ensure the palate is included for maxillary impressions.
  - a. Remove the healing abutments or appliance from the implants
  - b. Seat the impression copings and tighten the screws (Fig. 1). Take a periapical radiograph to verify complete seating. Check the impression tray for proper fit.
  - c. Take a VPS impression of the edentulous arch (Fig. 2). Allow the material to completely set, carefully remove the impression tray, loosen the screws, and remove the impression copings.
  - d. Replace the healing abutments or appliance.
  - e. Carefully place the impression copings back into the impression (Fig. 3).
  - f. Fill out lab Rx including implant system and diameter of implants. If a bite splint is desired (additional fee), check the appropriate box on the Rx. Send the lab Rx in with the case.

*Cases in which a hygienic high-water or sanitary pontics design is desired are not eligible for All-CAD and must be completed following the standard wax setup technique described in Protocol A (GL-3701).
**SECOND Appointment**

Jaw Relation Records and Shade Selection

You will receive from Glidewell Laboratories a bite block with screw-retained temporary cylinders and a wax-rim checklist (Fig. 4).

- Remove the healing abutments or appliance from the implants.
- Seat the bite block and gently tighten the screws by hand (Fig. 5).
- With the patient sitting up, use conventional denture technique to achieve accurate jaw relation records (Fig. 6).
- Unscrew the cylinder screws and remove the bite block.
- Replace the healing abutments or appliance.
- Take an impression of the opposing dentition and an impression of current denture for study model. The study model of the patient’s existing denture can be used as a reference regarding the size and shape of the new teeth.
- Select the shade and mold of the denture teeth; select the gingival shade.
- Return the case to Glidewell, including the working model, bite block, bite registration, opposing impression and shade selection.

Note: The final restorative option is determined following the Second Appointment, after your bite block has been received. At this point, Glidewell Laboratories may determine that multi-unit abutments are required to correct implant angulation, accommodate screw access holes that are too far to the facial, or connect the prosthesis to implants that are more than 2 mm subgingival. In these cases, the lab will contact the doctor to provide information concerning treatment options and pricing, and the step-by-step protocol specific to multi-unit abutments (Protocol C – GL-4554) must be followed instead of this document, beginning with the third appointment.

**THIRD Appointment**

Implant Verification Jig and Final Impression

You will receive from Glidewell Laboratories a custom tray and an implant verification jig.

**Verification Jig**

To ensure a passive fit of your restoration, it is vital to obtain an accurate final impression. A custom tray is provided along with an implant verification jig that has been sectioned and numbered on a working model. Each acrylic section contains a titanium cylinder. This procedure should be followed to ensure an accurate final impression.
Remove the healing abutments or appliance.

Seat each section of the jig onto the appropriate implant and tighten the guide pin (Fig. 7).

a. The sections should not be in contact. If necessary, remove one section, minimally trim it with a disc, and reseat it. Each section should have a gap about the thickness of a credit card. Visually verify gaps before luting.

Lute the sections together with a suitable material (e.g., Triad® DuLine® – DENTSPLY; Pattern Resin® – GC America; Zapit® – Dental Ventures of America or ADDS-IT – American Diversified Dental Systems) (Fig. 8).

a. Allow the material to flow through and completely around the gaps (Fig. 9).

b. Ensure the material is completely cured.

Optional – If desired, the clinician can test the passivity of the jig with a one-screw test. Tighten a single guide pin into one of the distal cylinders. No lifting of the jig should occur. Check for a passive fit by visibly inspecting completely around each cylinder for complete seating. This process can be repeated for each implant.

a. If any section has a cylinder-implant interface that is subgingival, a periapical radiograph should be taken to verify complete seating.

b. If any cylinder is not completely seated, the jig must be sectioned in that area, reluted and rechecked until a passive fit is obtained.

Final Impression

Check the custom impression tray for proper fit, ensuring no contact with the jig or cylinders (Fig. 10).

Using a medium body VPS material, take the final impression with an open-tray technique.

a. Inject VPS impression material under and around the jig to capture the ridge and all anatomical landmarks as for a full denture including full vestibular extensions (Fig. 11). Capture the complete palate for maxillary cases.

b. Completely fill the impression tray. Seat the filled impression tray, ensuring the heads of the guide pins are exposed through the tray (Fig. 12).

c. Once the material has set, remove guide pins and then remove the impression.

Note: the verification jig is picked up in the impression. Inspect the impression for the required detail.

Replace the healing abutments or appliance.

Return the case to Glidewell, including the working cast and opposing model, and the final impression containing the implant verification jig and guide pins.

Figure 7: Implant verification jig seated.

Figure 8: Luting sections of the implant verification jig

Figure 9: Implant verification jig luted together.

Figure 10: Check fit of the custom tray over the implant verification jig.
FOURTH Appointment

PMMA Try-in

You will receive from Glidewell Laboratories a PMMA try-in appliance and a checklist. Fabricated from poly(methyl methacrylate) (PMMA), the try-in appliance is designed using precise CAD software and takes the place of the traditional wax setup. PMMA is easily adjusted to accommodate the changes that are typically made to the wax setup.

- Remove the healing abutments or appliance.
- Seat the PMMA try-in appliance on the implants.
- Hand-tighten the prosthetic screws, alternating from one side to the other (Fig. 13).
- Evaluate the VDO, CR, esthetics, shade, tooth arrangement, occlusion, phonetics and midline (Fig. 14). Make adjustments as necessary. If CR is incorrect, a new bite registration should be taken.
- Send clinical photos per the checklist included with the case.
- If occlusal or other significant changes are necessary, a new bite registration should also be taken (Fig. 15).
- Unscrew the prosthetic screws and remove the PMMA try-in appliance.
- Replace the healing abutments or appliance.
- Send in entire case, including the PMMA try-in appliance, the master cast and opposing model, and lab Rx with reset instructions (if necessary).

Note: If only minor modifications have been made to the PMMA try-in appliance, in some cases the lab can proceed directly to fabrication of the final restoration.
RESET Appointment (if necessary)

Second PMMA Try-In and Delivery of Provisional PMMA Implant Prosthesis

You will receive from Glidewell Laboratories a new PMMA try-in appliance. Following completion of the second PMMA try-in, the appliance serves as a provisional implant prosthesis and allows the patient a trial period to evaluate the prosthesis design prior to final fabrication. A trial period of one to four weeks is recommended.

☐ Try-in the PMMA appliance according to Fourth Appointment instructions.

☐ After verifying the PMMA appliance and making any necessary changes, tighten the screws to the appropriate torque per manufacturer instructions (Fig. 16). Wait approximately 5 minutes and retorque the screws.

☐ Place a small amount of cotton in the screw access holes and fill with light cure composite or acrylic to prevent bacteria build-up (Fig. 17).

☐ When the patient is ready for the final prosthesis, return the master cast and opposing model. If any adjustments were made to the PMMA try-in / provisional implant prosthesis, return the appliance and list the adjustments on the prescription. Check the appropriate box on the Rx if a bite splint is desired but has not yet been prescribed.

Notes: (1) If adjustments are required, the final restoration cannot be fabricated until the provisional has been returned. (2) Due to the potential of a bite discrepancy caused by occlusal wear, provisionals worn by the patient longer than four weeks must be returned and may incur a redesign fee.
FIFTH Appointment

Delivery of Final Prosthesis

You will receive from Glidewell Laboratories the final prosthesis. If prescribed, you will also receive a bite splint.

- Remove the healing abutments or appliance.
- Seat the final prosthesis on the implants.
- Hand-tighten the prosthetic screws, alternating from one side to the other.
- Tighten the screws to the appropriate torque per manufacturer instructions. Wait approximately 5 minutes and retorque the screws (Fig. 18).
- Confirm the occlusion (Fig. 19). Make adjustments as necessary.
- Place a small amount of cotton in the screw access holes and fill with light cure composite or acrylic to prevent bacteria build-up (Fig. 20).

Note: Tooth-colored composite or acrylic should be used for access holes in the teeth, while pink composite or acrylic should be used for access holes in the prosthesis base.

ONE Week

Follow-Up Check

- Check occlusion.
- Review oral hygiene instructions.
- Set recall schedule.

MAINTENANCE Appointments

How To Maintain Final Prosthesis

- Six-month hygiene appointment
  - a. Perform prophylaxis under the prosthesis.
- Twelve-month (annual) hygiene appointment
  - a. Remove prosthesis for thorough cleaning
  - b. If prosthesis screws are damaged or show signs of stripping, screws should be replaced.
Predictable implant lab fees and no hidden costs
Price (per arch) includes: provisional prosthesis; final prosthesis; all labor, model and die work; analogs, bite blocks, try-ins and verification jigs.

BruxZir® Solid Zirconia Full-Arch Implant Prosthesis
*Price does not include multi-unit abutments and may vary when original equipment manufacturer (OEM) components are requested or required for the chosen implant system. Half of payment is due after first appointment; half is due at final delivery. Bite splint is available for an additional fee and requires an additional three days for fabrication.

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The BruxZir® Full-Arch Implant Prosthesis offers a fixed, all-zirconia implant solution for edentulous patients desiring a stable and esthetic replacement for removable prostheses. Constructed from 100% BruxZir Solid Zirconia, this fully edentulous restoration offers exceptional resistance to chips, fractures and stains while improving chewing and speech function. A provisional CAD/CAM implant prosthesis is included, which functions as a temporary appliance and allows for patient evaluation of the definitive prosthesis. Indicated for single-arch restorations only, the all-CAD process replaces the wax setup with a digitally designed PMMA try-in appliance, which is easily adjusted and eliminates the risk of damage during transit that can occur with wax setups.*

**FIRST Appointment**

**Preliminary Impression**

Before moving forward with the BruxZir Full-Arch Implant Prosthesis option, consider anterior-posterior spread and keep in mind that 10 mm or more of vertical clearance is required. Although a closed-tray impression technique is described here, open-tray impressions are acceptable.

- Take an implant-level impression, including the vestibules. Ensure the palate is included for maxillary impressions.
  - a. Remove the healing abutments or appliance from the implants. If the patient already has multi-unit abutments in place, take an abutment-level impression.
  - b. Seat the impression copings and tighten the screws (Fig. 1). Take a periapical radiograph to verify complete seating. Check the impression tray for proper fit.
  - c. Take a VPS impression of the edentulous arch (Fig. 2). Allow the material to completely set, carefully remove the impression tray, loosen the screws, and remove the impression copings.
  - d. Replace the healing abutments or appliance.
  - e. Carefully place the impression copings back into the impression (Fig. 3).
  - f. Fill out lab Rx including implant system and diameter of implants. If a bite splint is desired (additional fee), check the appropriate box on the Rx. Send the lab Rx in with the case.

*Cases in which a hygienic high-water or sanitary pontics design is desired are not eligible for All-CAD and must be completed following the standard wax setup technique described in Protocol A (GL-3701).
SECOND Appointment

Jaw Relation Records and Shade Selection

You will receive from Glidewell Laboratories a bite block with screw-retained temporary cylinders and a wax-rim checklist (Fig. 4).

- Remove the healing abutments or appliance.
- Seat the bite block and gently tighten the screws by hand (Fig. 5).
- With the patient sitting up, use conventional denture technique to achieve accurate jaw relation records (Fig. 6).
- Unscrew the cylinder screws and remove the bite block.
- Replace the healing abutments or appliance.
- Take an impression of the opposing dentition and an impression of current denture for study model. The study model of the patient’s existing denture can be used as a reference regarding the size and shape of the new teeth.
- Select the shade and mold of the denture teeth; select the gingival shade.
- Return the entire case to Glidewell, including the working model, bite block, bite registration, opposing impression and shade selection.

Note: The final restorative option is determined following the Second Appointment, after your bite block has been received. At this point, Glidewell Laboratories may determine that multi-unit abutments are required to correct implant angulation, accommodate screw access holes that are too far to the facial, or connect the prosthesis to implants that are more than 2 mm subgingival. In these cases, the lab will contact the doctor to provide information concerning treatment options and pricing.

THIRD Appointment

Implant Verification Jig, Final Impression, PMMA Try-in, and Delivery of Provisional PMMA Implant Prosthesis

You will receive from Glidewell Laboratories a custom tray, implant verification jig, PMMA try-in appliance with checklist, and a provisional PMMA implant prosthesis. If multi-unit abutments are required but not already in place, they will also be provided.

Verification Jig

To ensure a passive fit of your restoration, it is vital to obtain an accurate final impression. A custom tray is provided along with an implant verification jig that has been sectioned and
numbered on a working model. Each acrylic section contains a titanium cylinder. This procedure should be followed to ensure an accurate final impression.

- Remove the healing abutments or appliance. If multi-unit abutments were supplied by Glidewell, deliver the multi-unit abutments in the same sequence and positions represented on the model.

- Seat each section of the jig onto the appropriate multi-unit abutment and tighten the guide pin (Fig. 7).
  
  a. The sections should not be in contact. If necessary, remove one section, minimally trim it with a disc, and reseat it. Each section should have a gap about the thickness of a credit card. Visually verify gaps before luting.

- Lute the sections together with a suitable material (e.g., Triad® DuaLine® – DENTSPLY; Pattern Resin® – GC America; Zapit® – Dental Ventures of America or ADDS-IT – American Diversified Dental Systems) (Fig. 8).
  
  a. Allow the material to flow through and completely around the gaps (Fig. 9).
  
  b. Ensure the material is completely cured.

Optional – If desired, the clinician can test the passivity of the jig with a one-screw test. Tighten a single guide pin into one of the distal cylinders. No lifting of the jig should occur. Check for a passive fit by visibly inspecting completely around each cylinder for complete seating. This process can be repeated for each implant.

  a. If any section has a cylinder-implant interface that is subgingival, a periapical radiograph should be taken to verify complete seating.

  b. If any cylinder is not completely seated, the jig must be sectioned in that area, reluted and rechecked until a passive fit is obtained.

**Final Impression**

- Check the custom impression tray for proper fit, ensuring no contact with the jig or cylinders (Fig. 10).

- Using a medium body VPS material, take the final impression with an open-tray technique.
  
  a. Inject VPS impression material under and around the jig to capture the ridge and all anatomical landmarks as for a full denture including full vestibular extensions (Fig. 11). Capture the complete palate for maxillary cases.

  b. Completely fill the impression tray. Seat the filled impression tray, ensuring the heads of the guide pins are exposed through the tray (Fig. 12).

  c. Once the material has set, remove guide pins and then remove the impression.

  Note: The verification jig is picked up in the impression. Inspect the impression for the required detail.
PMMA Try-in

Fabricated from poly(methyl methacrylate) (PMMA), the try-in appliance is designed using precise CAD software and takes the place of the traditional wax setup. PMMA is easily adjusted to accommodate changes that are typically made to the wax setup.

Note: The PMMA try-in appliance does not include tissue shade and glaze on the gingival areas of the prosthesis.

- Seat the PMMA try-in appliance on the multi-unit abutments.
- Hand-tighten the prosthetic screws, alternating from one side to the other (Fig. 13).
- Evaluate the VDO, CR, esthetics, shade, tooth arrangement, occlusion, phonetics and midline (Fig. 14). Make adjustments as necessary. If CR is incorrect, a new bite registration should be taken.
- Send clinical photos per the checklist included with the case.
- If occlusal or other significant changes are necessary, a new bite registration should also be taken (Fig. 15).
- Unscrew the prosthetic screws and remove the PMMA try-in appliance.

Delivery of Provisional PMMA Implant Prosthesis

The provisional implant prosthesis serves as a temporary appliance and allows the patient a trial period to evaluate the prosthesis design prior to final fabrication.

Note: The provisional implant prosthesis does include tissue shade and glaze on the gingival areas of the prosthesis.

- Seat the provisional prosthesis on the multi-unit abutments.
- Hand tighten the prosthetic screws, alternating from one side to the other.
- Tighten the screws to the appropriate torque per manufacturer instructions (Fig. 16). Wait approximately 5 minutes and retorque the screws.
- Any adjustments made to the PMMA try-in appliance should also be made to the provisional implant prosthesis. The provisional implant prosthesis will be worn until delivery of the final restoration.
- Place a small amount of cotton in the screw access holes and fill with light cure composite or acrylic to prevent bacteria build-up (Fig. 17).
- Return the case to Glidewell, including the PMMA try-in appliance, the working cast and opposing model, the final impression containing the implant verification jig and guide pins, and lab Rx with adjustments listed.
FOURTH Appointment

Second PMMA Try-In

You will receive from Glidewell Laboratories a new PMMA try-in appliance.

☐ Try-in the PMMA appliance according to Third Appointment instructions.
☐ After making any necessary changes, remove the PMMA try-in appliance.
☐ Redeliver provisional implant prosthesis according to Third Appointment instructions.
☐ Return the case to Glidewell, including the master cast, opposing model, and the PMMA try-in appliance. List any final adjustments on the prescription. Check the appropriate box on the Rx if a bite splint is desired but has not yet been prescribed.

Note: If adjustments are required, the final restoration cannot be fabricated until the PMMA try-in appliance has been returned.

FIFTH Appointment

Delivery of Final Prosthesis

You will receive from Glidewell Laboratories the final prosthesis. If prescribed, you will also receive a bite splint.

☐ Remove provisional implant prosthesis.
☐ Seat the final prosthesis on the multi-unit abutments.
☐ Hand-tighten the prosthetic screws, alternating from one side to the other.
☐ Tighten the screws to the appropriate torque per manufacturer instructions. Wait approximately 5 minutes and retorque the screws (Fig. 18).
☐ Confirm the occlusion (Fig. 19). Make adjustments as necessary.
☐ Place a small amount of cotton in the screw access holes and fill with light cure composite or acrylic to prevent bacteria build-up (Fig. 20).

Note: Tooth-colored composite or acrylic should be used for access holes in the teeth, while pink composite or acrylic should be used for access holes in the prosthesis base.

ONE WEEK

Follow-Up Check

☐ Check occlusion.
☐ Review oral hygiene instructions.

Figure 15: Taking a new bite registration (if necessary).

Figure 16: Occlusal view of provisional prosthesis in place after tightening the prosthetic screws to the appropriate torque.

Figure 17: Occlusal view of provisional implant prosthesis in place following sealing of the screw access holes.
Set recall schedule.

**MAINTENANCE Appointments**

How to Maintain Final Prosthesis

- **Six-month hygiene appointment**
  - Perform prophylaxis under the prosthesis.

- **Twelve-month (annual) hygiene appointment**
  - Remove prosthesis for thorough cleaning.
  - If prosthesis screws are damaged or show signs of stripping, screws should be replaced.

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**Figure 18:** Deliver final prosthesis

**Figure 19:** Confirm occlusion.

**Figure 20:** Occlusal view of the final prosthesis in place following sealing of the screw access holes.
Predictable implant lab fees and no hidden costs
Price (per arch) includes: provisional prosthesis; final prosthesis; all labor, model and die work; analogs, set-ups, bite blocks, try-ins and verification jigs.

BruxZir Solid Zirconia Full-Arch Implant Prosthesis
*Price does not include multi-unit abutments and may vary when original equipment manufacturer (OEM) components are requested or required for the chosen implant system. Half of payment is due after first appointment; half is due at final delivery. Bite splint is available for an additional fee and requires an additional three days for fabrication.

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**Quick Reference**

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