

Flow chart of steps **AFTER** healing and ready for the zirconia process:

APPOINTMENT #1

STEP 1 for Fixture Level Impression:

Take a bite registration:

BEFORE you unscrew the conversion: Take photographs with a phone or any kind of SLR camera that will clearly show:

- 1 The **midline**
- 2 Entire face **SMILING**
- 3 Retracted view with **patient biting down**
- 4 **Profile** photos while **smiling**, and **retracted**
- 5 **Custom Shade TAB** against the patient's teeth or converted denture

A short video of the lip dynamics of the **patient smiling and talking** would also be useful.

In case of midline discrepancy use dental floss to show in a picture



STEP 2:

Remove the conversion:

You will need:

1 Easy Bar kit http://www.xpdent.com/catalogs/FastProtec/fast-protec-easy-bar.aspx?sm=a_b
(877) 328-3965 ASK FOR: LITZI OR PETER KUCH AND USE
THE **CODE: ADAR** for \$100 off



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2. Titanium non engaging cylinders (DO NOT use impression copings for this step)

- a. After screwing the titanium cylinders and taking an **X-ray to ensure that everything is down**, take the measuring tool from the Easy Bar kit and **measure the distance between each titanium cylinder and elect the correct easy bar.**
- b. Position the Easy Bar chosen over the titanium cylinders ensuring that there is a gap around the cylinder so that it easily goes down as low as possible toward the tissue (does not have to touch the tissue). This will make it easier to stack the easy bars.
- c. Position the easy bars in place and inject enough light cured, non-shrinking flowable composite to tack the bars in place so that **THEY DO NOT MOVE**. Then cure and add DuraLay or any type of resin to make the connections stronger.

Here is the link to the Easy Bar video:

<https://www.youtube.com/watch?v=1fbf2OrDZFA>



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d. Once this is set, unscrew from the mouth and try to move the easy bar to ensure that there is **NO movement**. If there is ANY movement, add more material and then screw it back in and let it set. Then unscrew and test it again to ensure no movement.



e. Once the Easy Bar is strong and solid. Using **LONG IMPRESSION screws**, screw the Easy Bar back in the mouth.



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f. Take an open tray impression to capture the intaglio surface under the easy bar and lock in the easy bar. This is an all in one impression and jig and will be used as the master model.



For Multi Unit Level impressions:

Same steps only use non engaging titanium temporary cylinders on top of multi units (MU)



STEP 3:

Duplicating the existing converted denture that is currently in the mouth.

- a.** Use a **retainer box** with adequate depth to place converted denture in it and still be able to close the box with impression material in it.
- b.** Inject light body underneath the intaglio surface to **capture the non engaging titanium cylinders and the intaglio surface**. Put hard body on one side of retainer box. Push the conversion into the hard body and create a flat surface around. make sure the **denture is buried enough so that there will be enough room for hard body on the other side**, once it sets.
- c.** After it sets put **vaseline on the silicone area only (not the teeth)** **repeat the steps above** using hard body inside the retainer and light body on the buccal and occlusal surface of the conversion. **Close the retainer box, wipe off the excess and put either rubber bands or a heavy weight on the retainer box to ensure that it is closed properly.**
- d.** Once the material is set, open the retainer box. **Pull the conversion out of the silicone. Give the conversion back to the patient and send us the silicone retainer box.** If you are doing both arches, we will need a retainer box impression for both arches. If it is only one arch, we will need an opposing impression/model.

Here is the youtube link on how to duplicate a denture:

<https://www.youtube.com/watch?v=H4CEoO61adg&list=PLFxgAlxWTixJvq9k21FCGiL6i8R-pm2i->



e. Ship:

- * Easy Bar impression
- * Bite registration
- * Retainer box impression
- * Model of opposing teeth
- * PHOTOS as described
- * One set of lab analogs **and** titanium cylinders (depending on the package you choose)

(If it is the economy package we will need one set of cylinders and if pt wants to wear the PMMA, we will need 2 sets of non engaging tit cylinders.)

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For the next step you will receive the design of the new smile with enhancement from what the conversion looked like. Depending on the package chosen, it will be either a printed PMMA or a milled one - but **the steps are the same**



Printed PMMA with Pink Wax

**** The purpose of this appointment is to evaluate the **esthetics**, the **fit**, the **bite**, **midline**, **fit on intaglio surface** transition, the **papilla height**.

**** If any adjustments are necessary it **MUST** be done at this appointment as grinding on the finished Zirconia IS NOT RECOMMENDED.



MILLED PMMA

STEP 1. Take photographs with a phone or any kind of camera that will clearly show:

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- 1 The **midline**
- 2 Entire face while **SMILING**
- 3 Retracted view with **patient biting down**
- 4 **Profile** photos while **smiling**, and **retracted**
- 5 **Custom Shade TAB** against the patient's teeth

A short video of the lip dynamics of the **patient smiling and talking** would also be useful.



STEP 2: If you are getting the **milled PMMA** the patient will wear it and test it for a week up to a few months **and send the test driven milled PMMA back to us after it has been tested.** You will **ALSO have an extra printed PMMA** that the patient can wear while we are processing the zirconia. (We need the PMMA for about 3 days and will then return if wanted)



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If the PMMA is printed (Economy Package), you will **send back the printed PMMA after adjustment** and the **patient will wear their converted denture** until the final zirconia come back.

STEP 3: Send the PMMA back to us. (only for a few days) and place the converted denture for them to wear until we finish the final zirconia.



Printed PMMA with Pink Wax

a. Use the Adar custom shade tabs, that have been provided, for the patient to decide on their color preference. Then,



b. Please ask these **SPECIFIC** questions:

- 1 Do you see a difference?**
- 2 What do you see?**
- 3 What is your preference?**

The patient is **NOT** limited to the custom shade guide that we provide. If they would like either a lighter or darker shade from the custom shade tabs, please use a normal shade guide and what ever their preference is put it **NEXT** to the adar shade tabs in the patients mouth and take photos so that the difference to make can be seen

Appointment #3

STEP 1: The delivery of the final zirconia.

- a. If all of the steps have been done as directed above, there should be no adjustments necessary.
- b. If there are adjustments that need to be made, please adjust the opposing teeth,
- c. However, if you do need to adjust the zirconia for any reason. **Please use water and zirconia burs. Brasseler has a great zirconia bur kit for chair side adjustments.**
- d. Once seated please take photos and video clips consistent with the before photos.



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