

Full Arch Therapy

Step By Step Guide Digital Conversion – Temp. Prosthesis to Final

- Appointment Guideline
- Dentists Responsibilities
- Pricing Guide



Provisional to Final Prosthesis



Modern Day Hybrid



Patients Ask ??



1. Why do I need the final prosthesis?
2. Why do we wait 3 months or more for final prosthesis?

Proceeding to Final Prosthesis

Wait Time to Final 3-6 months

Final “Permanent Prosthesis” needed to:

- Close gap to Intaglio surface
- Improve Esthetics
- Provide Longevity
- Improve Materials



Switch to Final Prosthesis

Improves Materials



Provisional

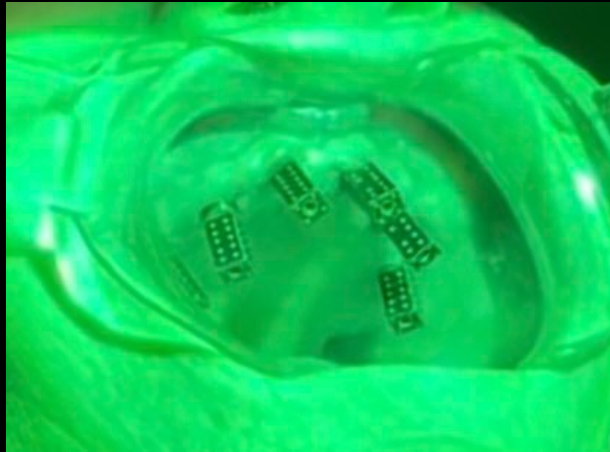
Teeth Milled PMMA
Gingiva Composite

Final

Teeth Monolithic Zirconia
Gingiva. Porcelain

Full Arch Therapy

Provisional to Final Prosthesis



Steps

From Our Provisional Prosthesis

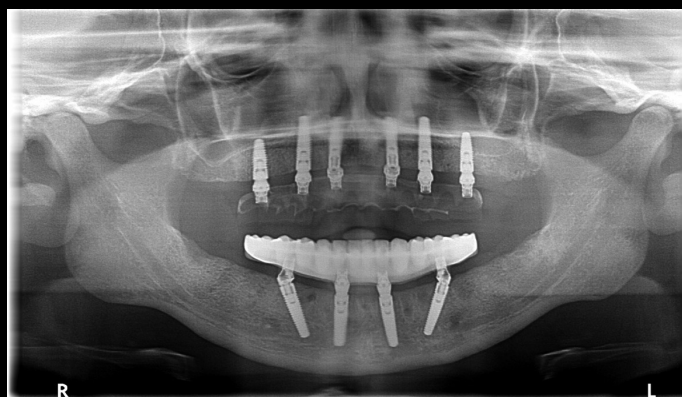
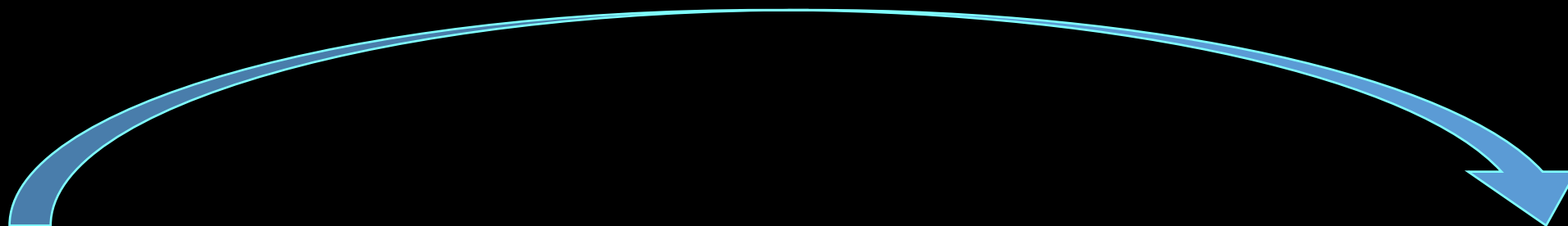
You Delivering Final Prosthesis

Digital Work-Flow

STEP 1

Pre-Surgical Phase

Remove teeth ... Place Implants. ... Temporize



Surgeons Starting Point

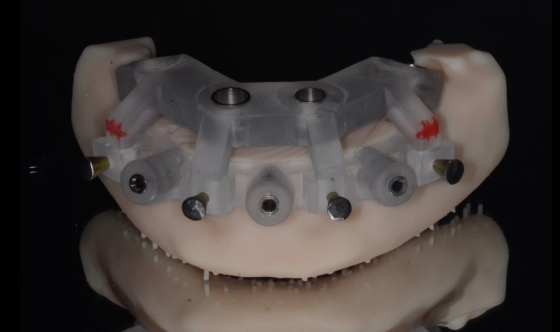
Pre-Surgical Phase



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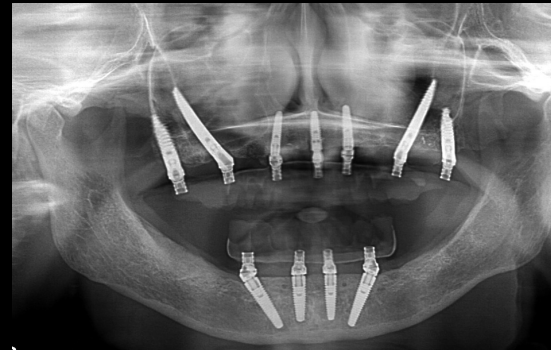


Face Hunter

Scan

Stacked Guides

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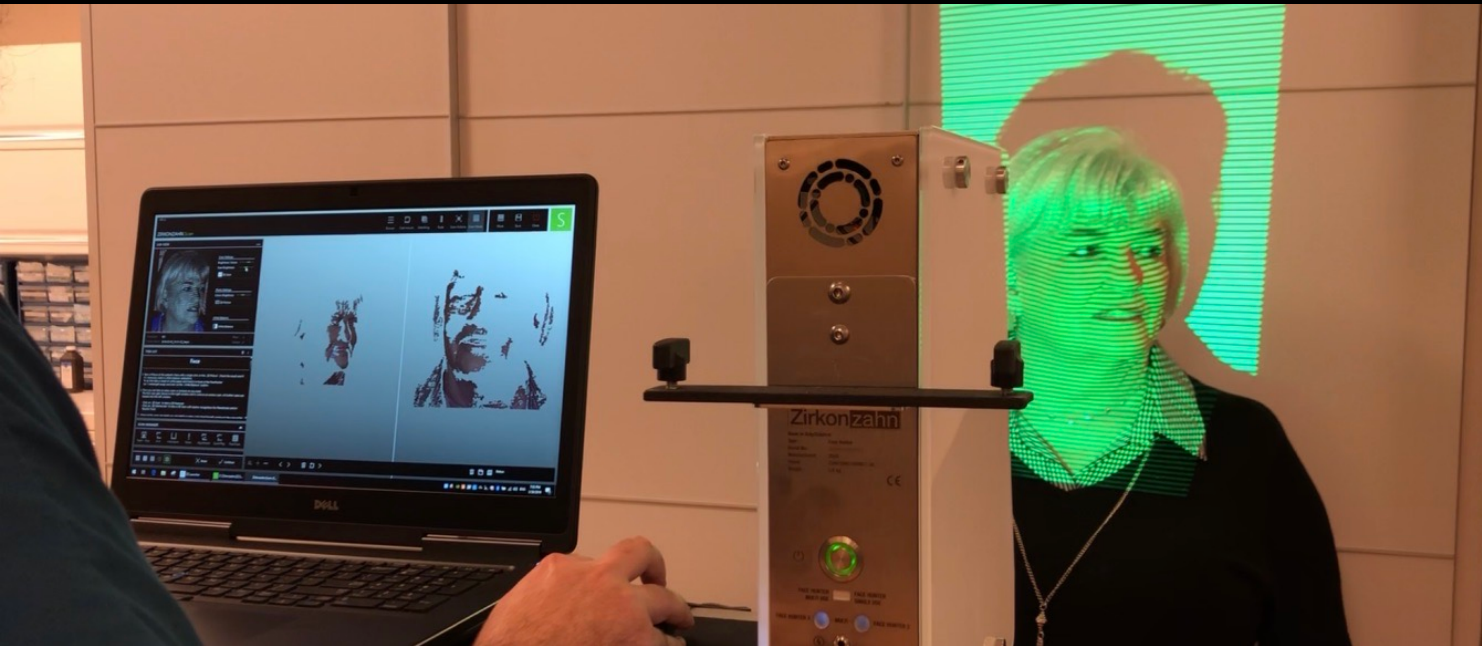
Accurate Implant positions

Pre-Surgical Phase

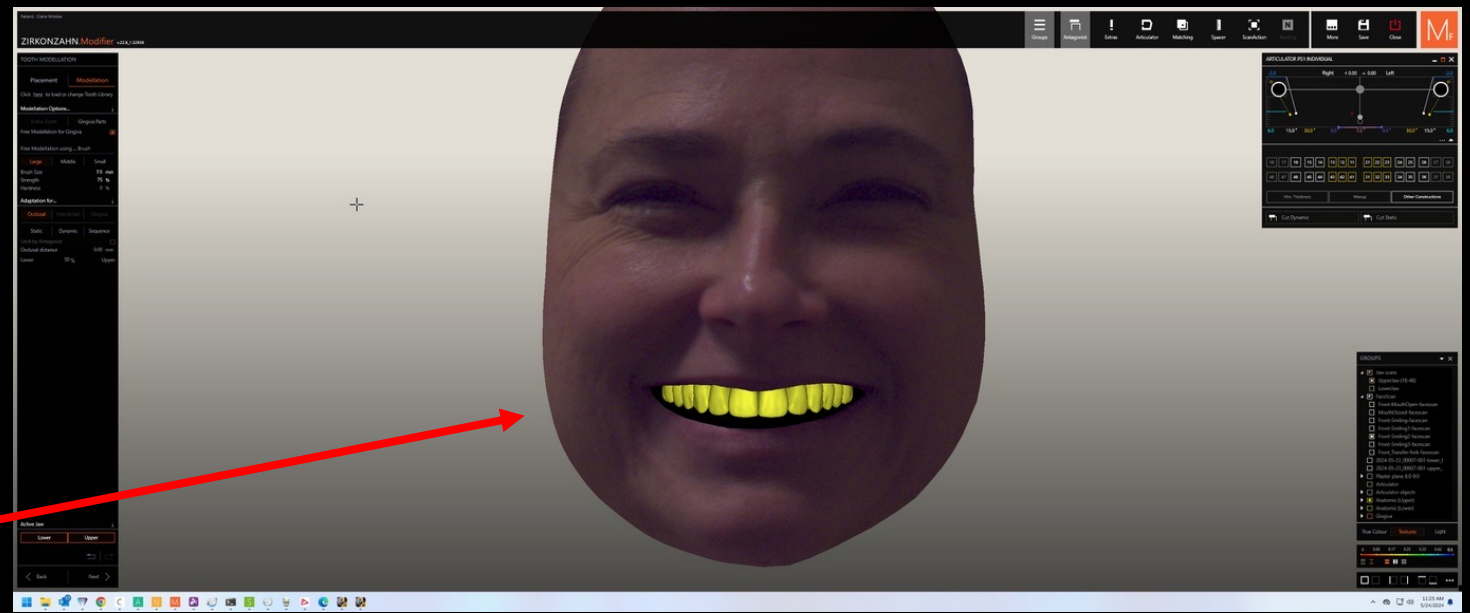
Face Hunter

Photos to Digitize “Tooth to Lip”

Combines CBCT to STL file from Trios Scanner

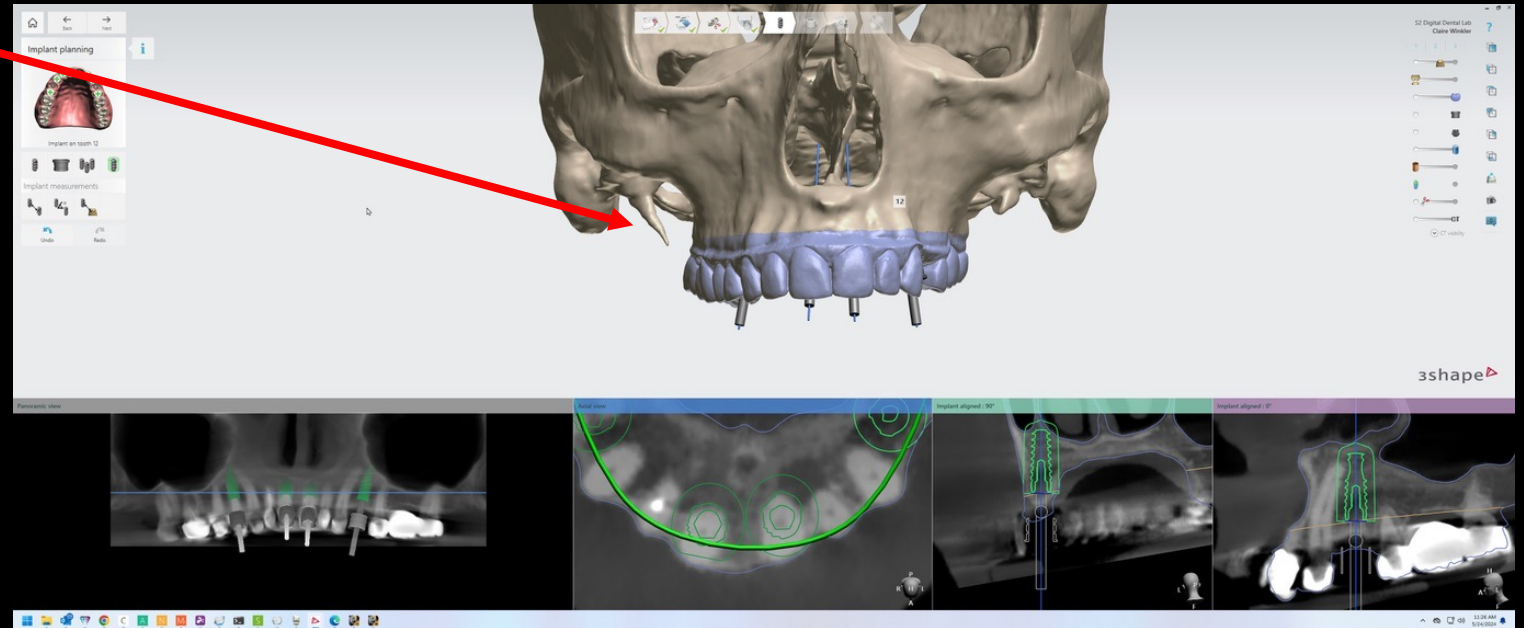


Face Hunter



Tooth to Lip

Transferred to trial set-up



- Occlusal Plane
- Digital Wax-up

Pre-Surgical Phase

Work-Up & Esthetics

Face Hunter Appt:

1. - Tooth to Lip
 - Hides edge of prosthesis under lip
2. Occlusal Plane
3. Vertical Dimension



Initially set with Provisional Prosthesis

- Can be fine tuned in Final Prosthesis

Transitional Bridge



Milled PMMA Bridge

- Sits on Multi-unit Abutments
- Lasts 10-12 months
- Stains with time



Multi-Unit Abutments (MUA)

1. Standardizes Platform for any Implant Brand
2. Top of Platform – above tissue – very easy to take on and off
3. Torque to 15 ncm - not 35 (small screws) Nobel Star Driver



Norris

Zimmer

Nobel

Southern

Multi-Unit Abutments

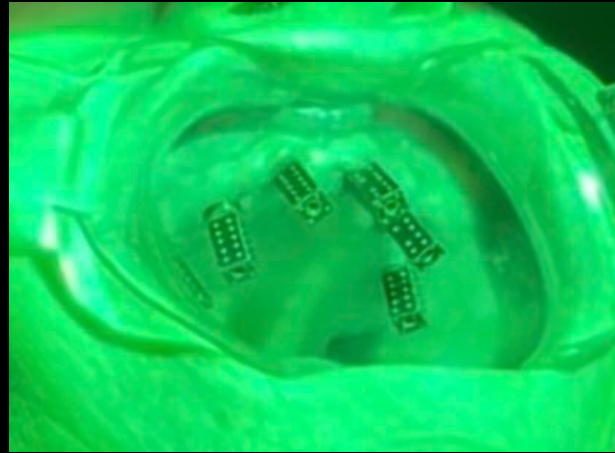
- placed by surgeon
- Easier Maintenance
- Doesn't break biological barrier

connection is not on the implant – better for bar misfits
eliminates “Microleakage”



Full Arch Therapy

Provisional to Final Prosthesis



Steps

From Our Provisional Prosthesis

You Delivering Final Prosthesis

Starting Point - The Existing Provisional

- Allows a Test Drive of Esthetics
 - Milled out of PMMA
 - Gingiva is composite



Proceeding to Final Prosthesis

1. Have surgeon verify implants are integrated

2. Restorative Dentist - Meet with patient to verify

- Esthetics
- Discuss Fees & Collect deposit / Full Amount
- Discuss Hygiene appts

3. Restorative Dentist

Schedules "Final Records" appointment for digital records with Lab

Proceeding to Final Prosthesis

4. Final Records Appointment

Restorative Dentist meets with / at Lab for Digital Records

This appointment described below

Proceeding to Final Prosthesis

** Optional Step

Lab Prints or Mills a second provisional

To Revise:

- Esthetics
- Jaw Relations
- Occlusion or design

**** Optional Step**

2nd Try-In Prosthesis

Milled PMMA Prototype



Allows long-term wear

Printed Prototypes



For minor adjustments

Proceeding to Final Prosthesis

6. Once provisional is approved – lab gets go-ahead to fabricate final prosthesis
7. Lab Delivers to Restorative Dentist Final Prosthesis – torque to 15 Ncm
8. Hygiene appt - at 3 months



Final Prosthesis

Restorative Dentist Decisions

1. Material to Utilize
2. Titanium Bar needed? (usually yes)
3. Shade selection: teeth, gingiva
4. How many teeth – include 2nd molars? (typically 12-14 teeth)



Final Prosthesis Appointment

Restorative Dentist with Lab (approx 90 minutes)

- Do not need to bring materials or equipment
- You may bring assistant

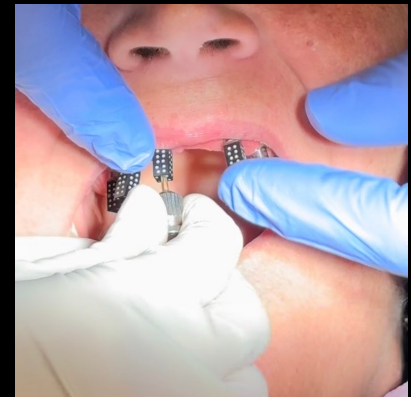


Scanning & Records Appointment – typically with Larry & Albert

Final Prosthesis Appointment

Restorative Dentist with Lab (approx 90 minutes)

- Confirm occlusion and esthetics
- Verify vertical dimension – freeway space
- Final Scans: Intra-oral scan with Trios, Photogrammetry with I-metric



Final Prosthesis Appointment

Restorative Dentist with Lab (*approx 90 minutes*)

Discuss final prosthesis

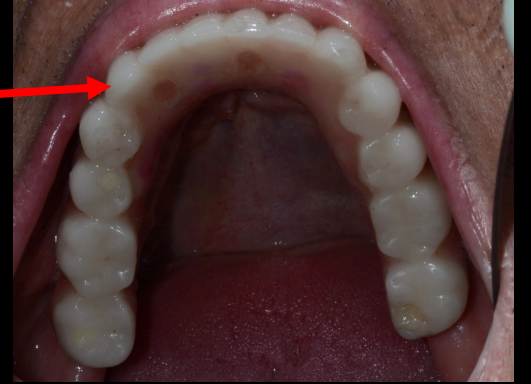
- Materials
- Design – bar or not
- Verify shades



Final Prosthesis Appointment with Larry/ Albert

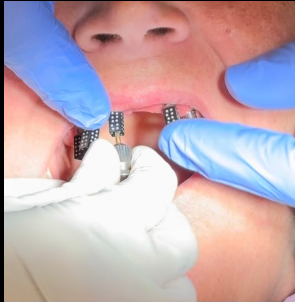
Restorative Dr:

- Remove Fillings from prosthesis
- Removes provisional with Larry
- Places scan bodies



Larry & You:

- TRIOS scan – Larry or restorative Dr. scans
- Photogrammetry scan (Larry)



Restorative Dr: - Replaces provisional

2 Scans done

1. Trios Intra-oral with Scan Bodies

Soft tissue and jaw relations:



2. Photogrammetry Scan

I-metric scan ‘final Impression’

Ultra-accurate impression of implant positions



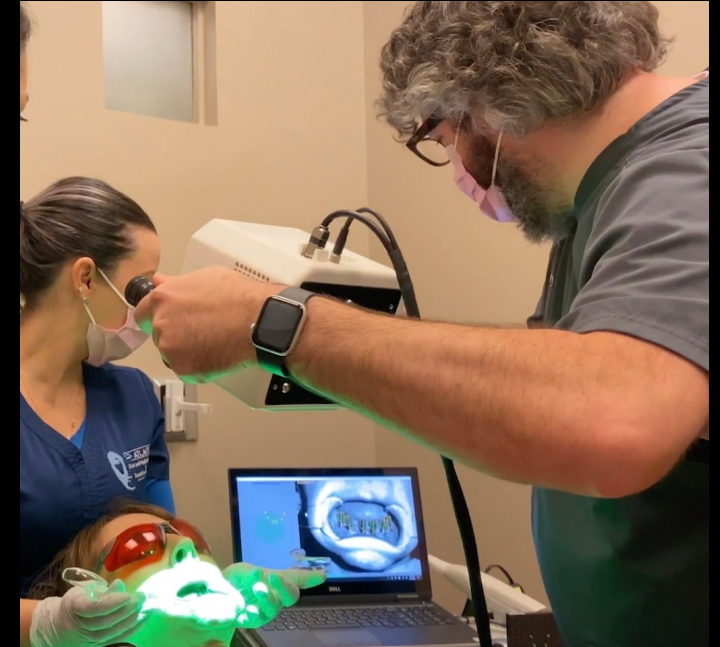
Final Prosthesis Appointment with Larry/ Albert

Other Issues

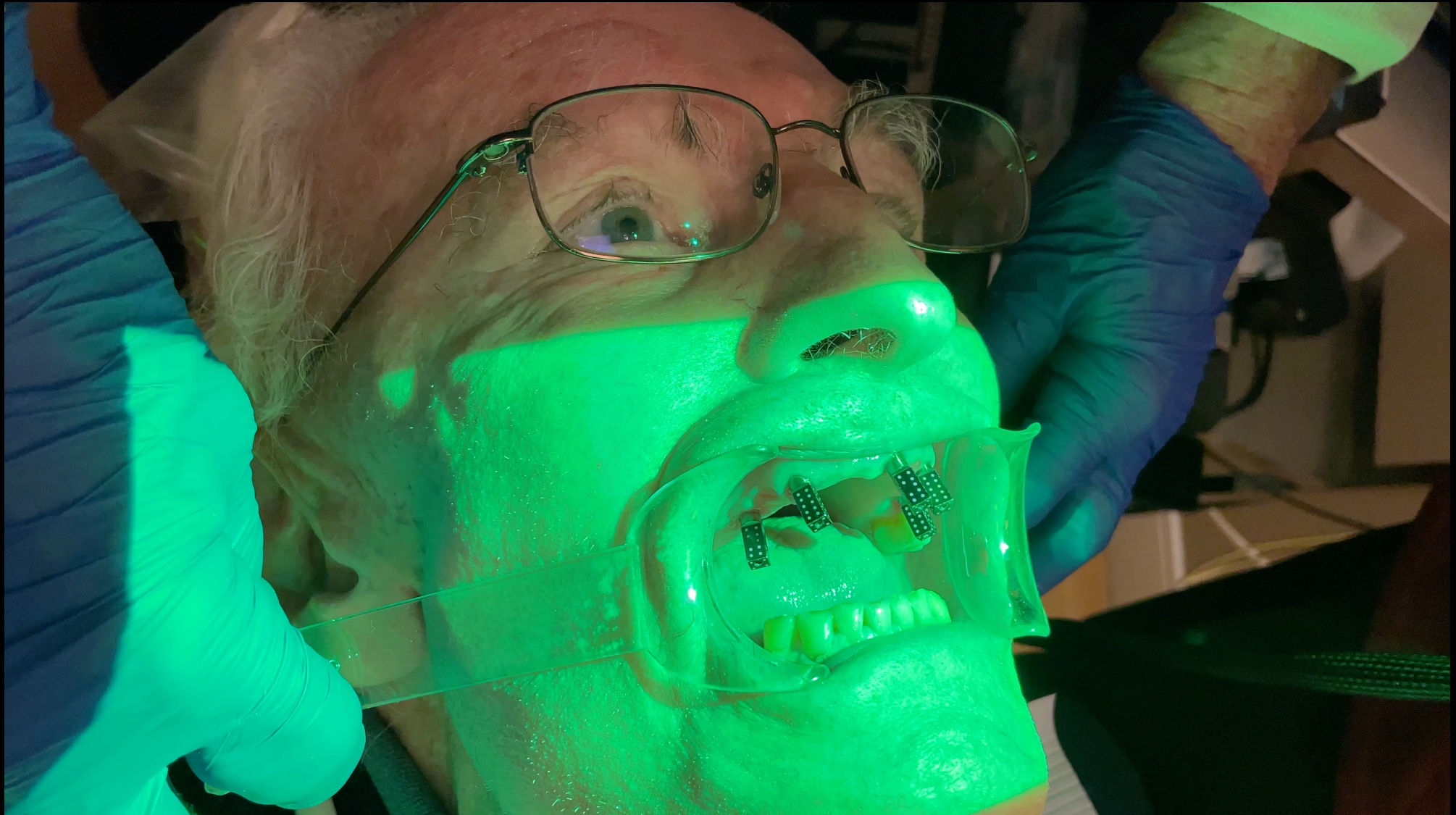
- Assess Hygiene
- Radiographs if needed
- Appt: runs 90 mins on average

Photogrammetry

Digital Impressions – Ultra Accurate



More accurate than traditional Impressions – Important for Zirconia prosthetics



Monolithic Zirconia



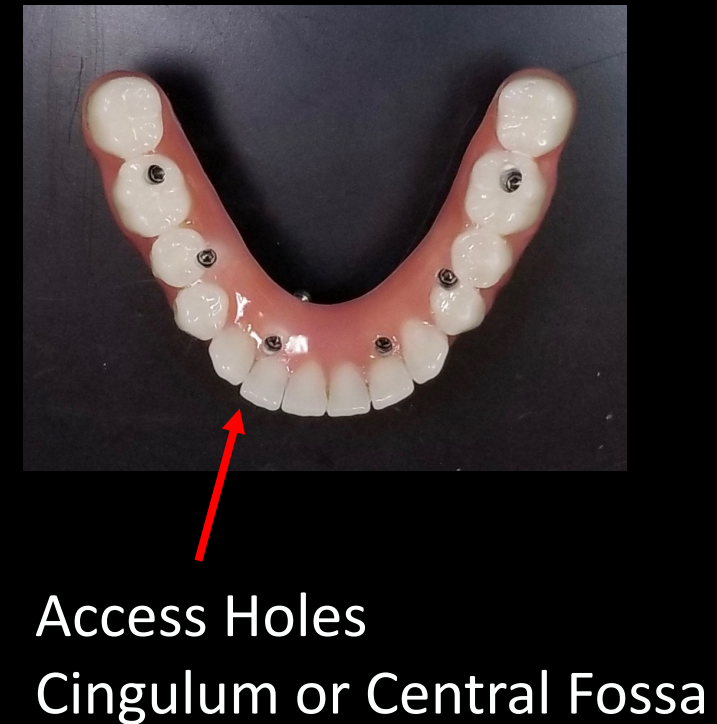
- Long Term Durability & Success
- Soft Tissue Friendly
- Requires extremely accurate master cast/impression

Pekkton Hybrid



- *Highly Esthetic – crowns are Emax*
Gingiva – composite ←
- *Individual Emax crowns – easily repaired*
- *Pekkton Framework – Absorbs Shock – Gentle to Opposing Teeth*

Modern Prosthesis Monolithic Zirconia





Prosthesis – Passive Fit Essential with Zirconia

Titanium Bar

- *Cannot cantilever Zirconia without bar – allows 2nd molars*
- *Zygomatic Implants – need bar to account for their flexure*

Titanium Bar – Monolithic Zirconia Overlay



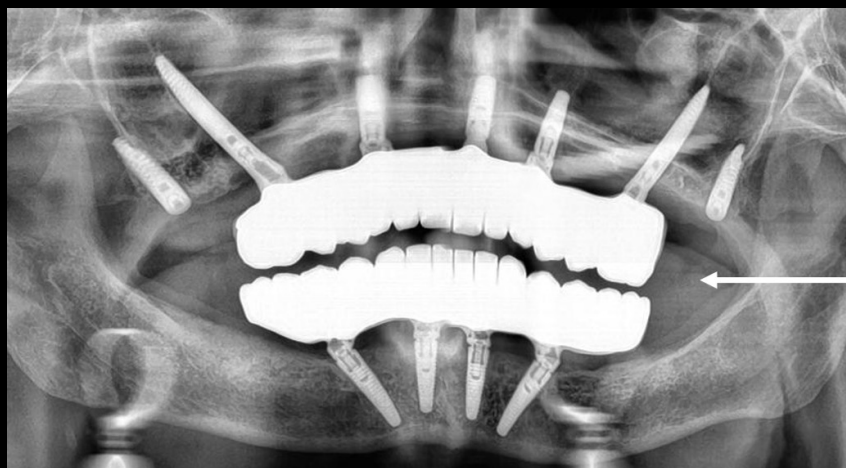
Titanium Bar – Monolithic Zirconia Overlay



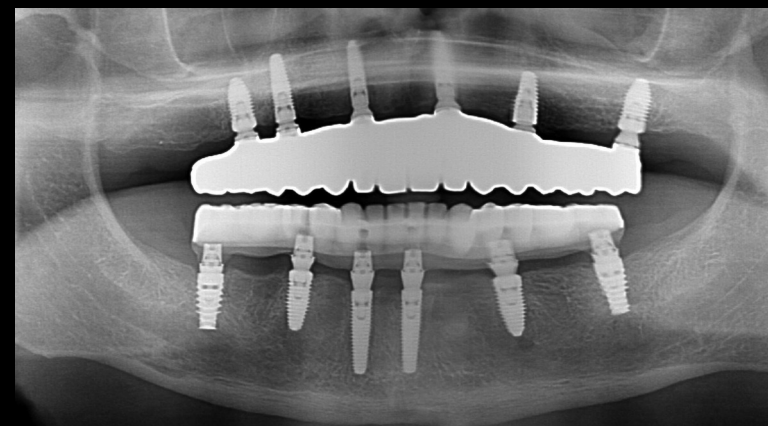


Bar Required-

- Any Cantilever
- Zygomatic Implants



Bar Not Necessary



6 implants

Maintenance – Hygiene Follow-up

1. 2 week follow up appt
2. 3 months – hygiene – consider prosthesis removal
3. Hygiene – minimum every 6 months
 - recommend every 4 months



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How to maintain and improve your oral hygiene after dental implants surgery:

- 1). Brush your bridge and/or temporary crowns, at least twice a day. Prioritize the gum side of the bridge or the gap/space in-between your own gum and the pink edge of the bridge.



- 2). Use regular toothpaste, avoiding any type of abrasive or whitening product.
Example: Sensodyne, Colgate Sensitive.

Use water pick device after brushing at least once a day and mainly at nighttime, ensuring a complete mouth clean before bedtime.
For better results and easy management, use a cordless device such as the Water Dental Flosser Cordless that is sold on Amazon.



Other necessary hygiene tools that help to complement your routine are:

Gum picks, for spaces/gap in-between your gum and the gum pick part of the bridge.



Floss Threaders, the same uses as above, spaces in-between your gum and the bridge side.

