



All on X Case Stages

Your step-by-step for case planning

Stage 0: Pre-Op records

Absolutely CRUCIAL for accurate immediate load

Can be done digitally with IO scans or also with impressions

Proposed VDO for the case must be determined at this stage

Records sent to lab technician for Pre-Op plan

Stage 0 Records must:

Determine the VDO

Determine the proposed implant positions

Determine how the immediate load appliance will be fabricated and converted during surgery

Determine the amount of bone reduction needed

Determine the type of Prosthesis to be restored

Determine the ideal smile for the patient



Stage 0 Records needed

8 Items

1. Radiographs (scan with teeth apart for normal dentition) or (scan in bite with Dentures (Dentures will need scan markers for CBCT & I O scans)
2. Photos
3. VDO
4. IO scans (upper, lower, bite)
5. Facial Scans
6. Type of Prosthetic Planned (FP1, FP2, FP3)
7. Alignment Strategy
8. Lab Slip

If your stage 0 records are off, your case will be off





Photos needed

You will need three great photos for this step. Get the patient out of the chair for this step! (these will be full face photos)

1. Straight on photo with patient smiling normally (teeth together)
2. Straight on photo with patient smiling super big (teeth together)
3. Straight on photo using cheek retractors (teeth together)

Make sure you are eye to eye with the patient's head is straight and level (not tipped to one of sides nor forward or back) this helps with the designing. Must be able to see the eyes and ears. We will need all the points on the face to line up the smile the best we can.

How to get the VDO

Step 1

Measure the distance between the center of the eye and the commissure of the lips using the two straight, extended markers.

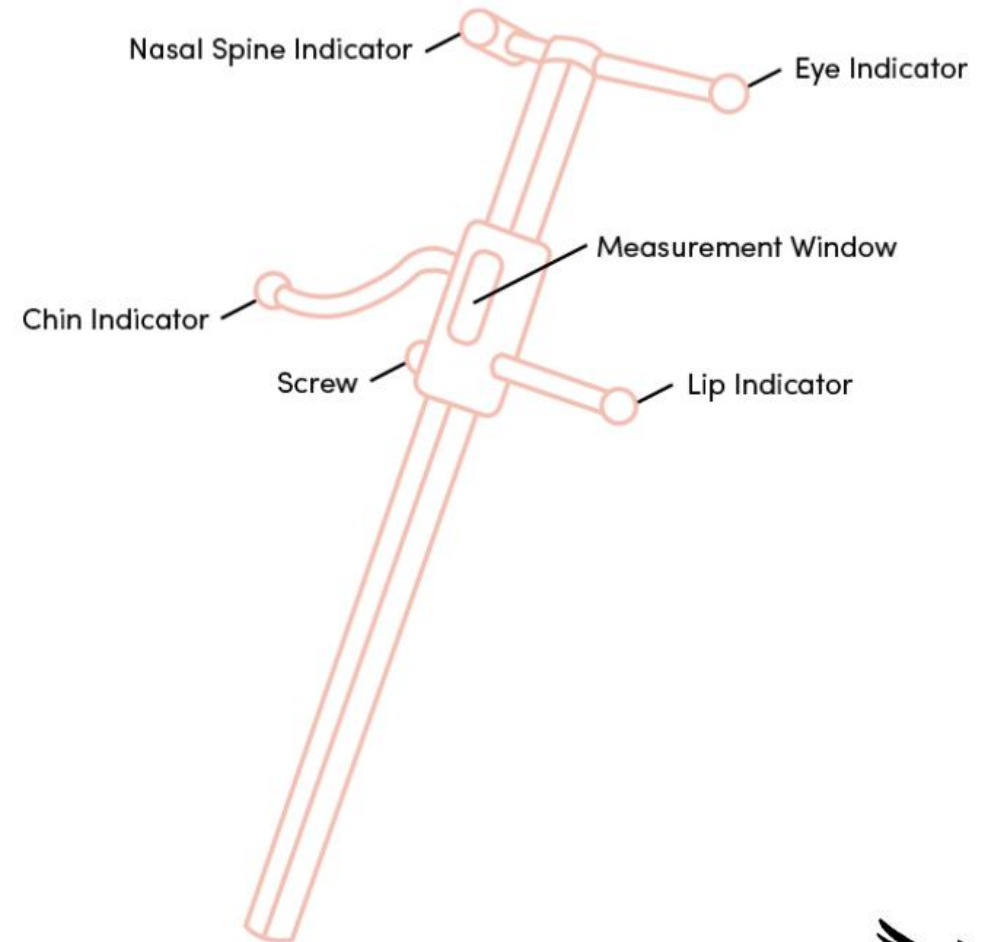
Step 2

Tighten the bolt to lock that measurement into place.

Step 3

Using the other side of the gauge, place the friendly rounded edge just under the nose and under the chin.

If the curved, chin marker fits snugly under the chin, you have accurately captured the patient's VDO.



VDO Gauge

Using a Leaf Gauge to set the bite

If the VDO needs to be opened after you take the with the measurement with the VDO Gauge you can use a Leaf Gauge to open the bite to that measurement from the VDO Gauge.

The Measurement will be $\frac{1}{2}$ the number per arch to get the total VDO so if you are only planning on one arch at this time you would only use $\frac{1}{2}$ of the measurement.



Making sure the bite is stable

If the patient can hold the bite stable with the Leaf Gauge in, you can scan the bite (do not have the patient open).

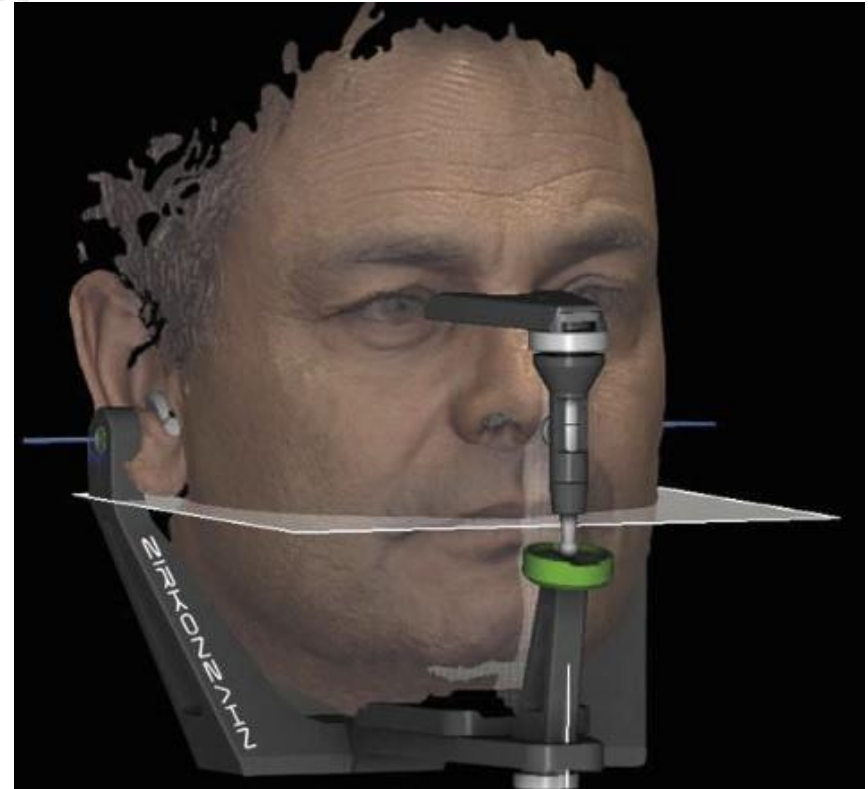
If the patient can not hold the bite stable with just the Leaf Gauge you can use bite material on each side of the Leaf Gauge to help hold the bite stable. Remove one side of the bite and scan that bite. Replace that bite and remove the other one then scan that side leave the Leaf Gauge in for both bite scans.



Facial Scans

If you have a facial scanner, it would be great for a 3D smile design but if you do not, we still can do a 2D for everyone to see the smile before we get to surgery.

you can use Qlone app. for scans download in app store.



Type of Prosthetic Planned (FP1, FP2, FP3)

Full Prosthesis 1 (FP1)

Teeth only



Full Prosthesis 2 (FP2)

Teeth and attached gingiva (little tissue)



Full Prosthesis 3 (FP3)

Teeth, attached gingiva, & unattached gingiva (lots of tissue)

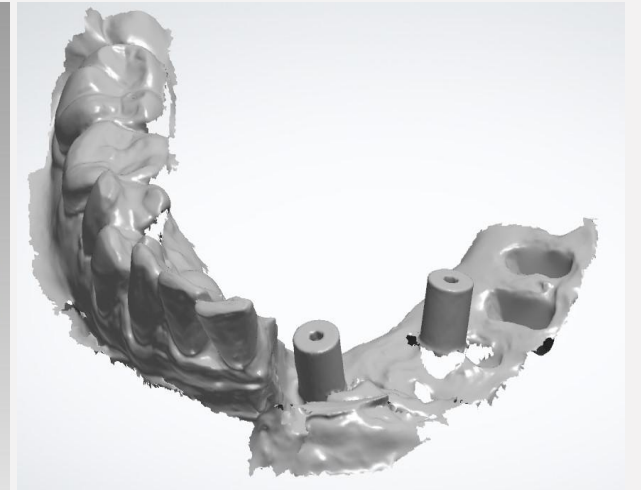
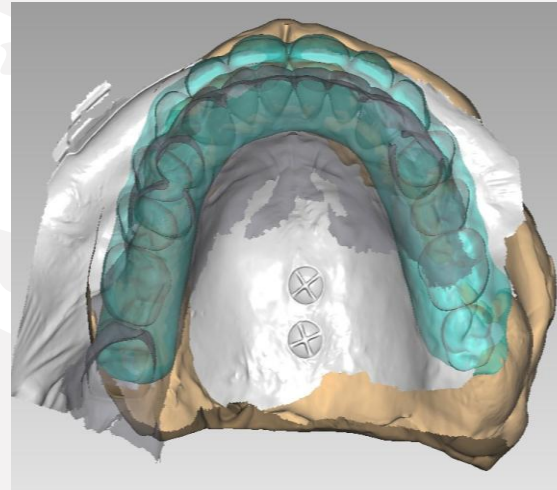


Alignment Strategy

An alignment strategy is a method of connecting a pre op plan and a surgical field together, through the use of MARKERS

Markers must be scanned with IO scanner before and after surgery to be useful

Markers can be anything left in the mouth that's present in Pre op and Post op scans (Teeth left after surgery, Bone screws placed right before surgery, or a Denture)



STAGE 1: Surgical Records

Placement of Alignment Screws

Extractions on non-alignment teeth

Alveoloplasty

Implant Placement and MUA selection

Healing caps and suturing

Capturing alignment strategy

Photogrammetry

Optisplint



Stage 2: Final Records

1. Assess occlusion, phonetics, esthetics, make changes if possible

Reline for phonetics due to air escape/food impaction

Adjust occlusion until even in posterior and light in anterior

Check midline, incisal show, overjet/overbite

2. Final records needed for the lab

1. Upper IO scan
2. Lower IO scan
3. Bite scan in full occlusion
4. Soft tissue scan (Upper & Lower if double arch)
5. Photos
6. Notes of changes, signed by patient





Final Delivery

The final can be

Zirconia

Bar with Zirconia

Bar with Denture Teeth and Acrylic

Bar with Bridges or Crowns

Bar with PMMA

Bar with Ivotion Denture