

# *Smile Design: 2D*

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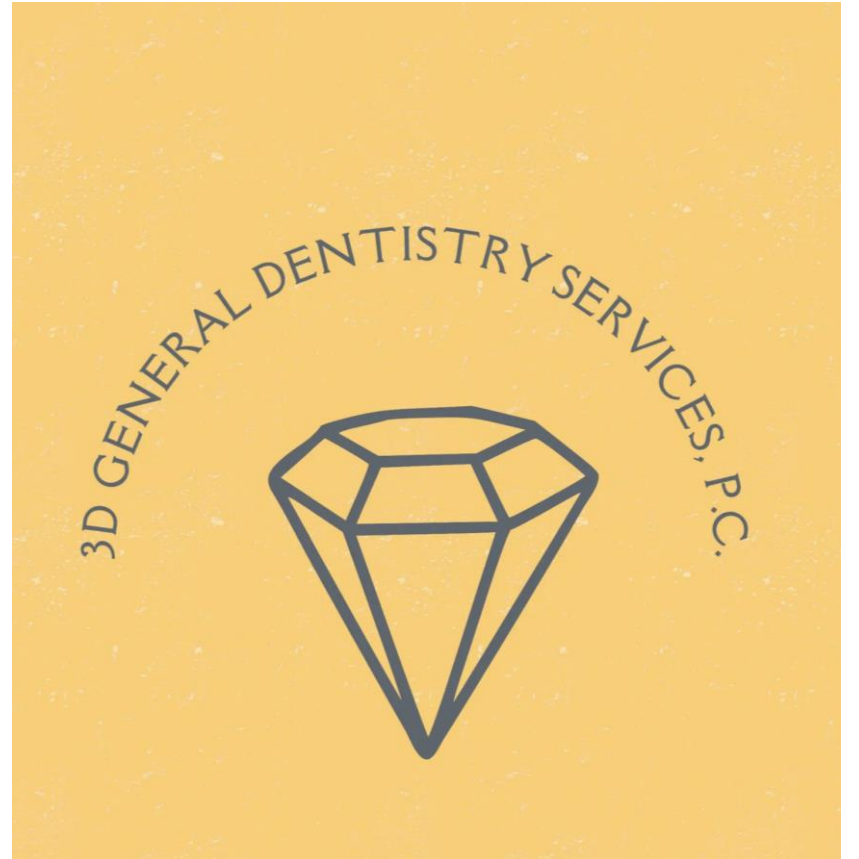
UAB Alumni Meeting

February 6, 2025

Hyatt Regency Birmingham-The Winfrey Hotel

*Barry E. Goodspeed, DDS*

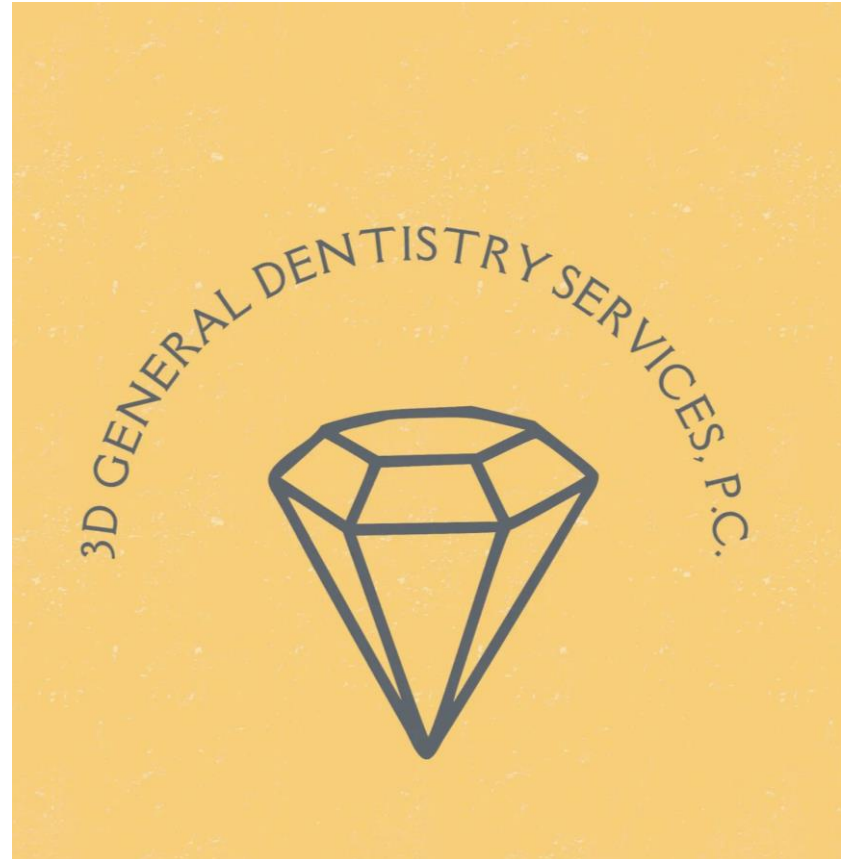
*3D General Dentistry Services, P.C.*



# Quick Poll

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1. Digital Scanner offices?
2. Digital Printer offices?
3. CEREC offices?



# Disclosure

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## NO CONFLICT OF INTEREST:

Neither 3D General Dentistry Services, P.C., nor Barry E. Goodspeed, DDS have a personal interest or financial investment in any company or product included in this presentation.

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## OTHER

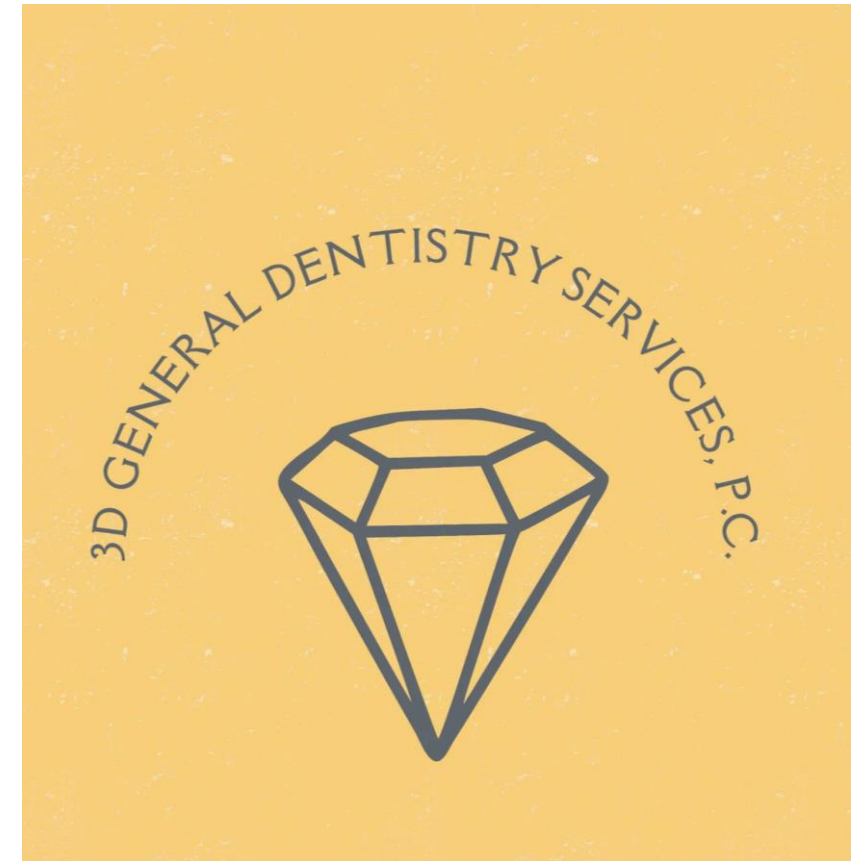
UAB Alumni Association is providing an honorarium for Dr. Barry Goodspeed's presentations.

# Smile Design: 2D

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## Educational Objectives:

1. Understand records necessary for a “Facially Generated Treatment Plan.”
2. Understand Old School 2-Dimensional Smile Design methods.
3. Review details and see examples of a New Digital 2D Smile Design Option.
4. Understand that this 2D Smile Design is a step prior to 3D Smile Design accomplished with software options such as CEREC and CEREC inLab 22.



# *Special Credits and Acknowledgements*

---

Dr. Nate Lawson

Dr. Augusto Robles

Dr. Chin-Chuan Fu

Dr. Dan Givan

***\*Jahnvi\****

Karla Wright

Markettea Reed

James Bradley

Nellie Baghaei

Lauren Brashear

Kaytlyn Carlson

Brandon Englert

Brandon Hardy

Josh Huff

Henry Kendrick

Andrew Lisy

Bobby Patel

Turner Shirley

Brooklyn Williamson

CDOCS

Dentsply Sirona inLab 22

Medit Smile Design

Trios Scanners

3Shape Smile Design

# *Records Summary for a “Facially Generated Treatment Plan”* (ref. #9, Spear)

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Panorex

FMX



# Records Summary for a “Facially Generated Treatment Plan”

Photo Set 8 (ref. #3)
















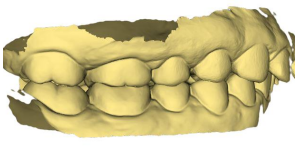
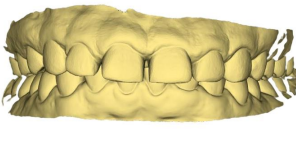
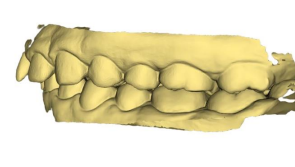
	PHOTO SET 8 Orthodontic/Esthetic Evaluation	UAB SOD Esthetics Club
EO Frontal Repose	EO Frontal Full Smile	EO Profile
		
IO Retracted Occlusal Maxillary	Doctor: UAB SOD Esthetics Club Patient: Jahnvi DOB/Age Date: November 3, 2023	IO Retracted Occlusal Mandibular
		
IO Retracted Closeup Buccal Right		IO Retracted Closeup Buccal Left
		

Photo Set 8. Alternative

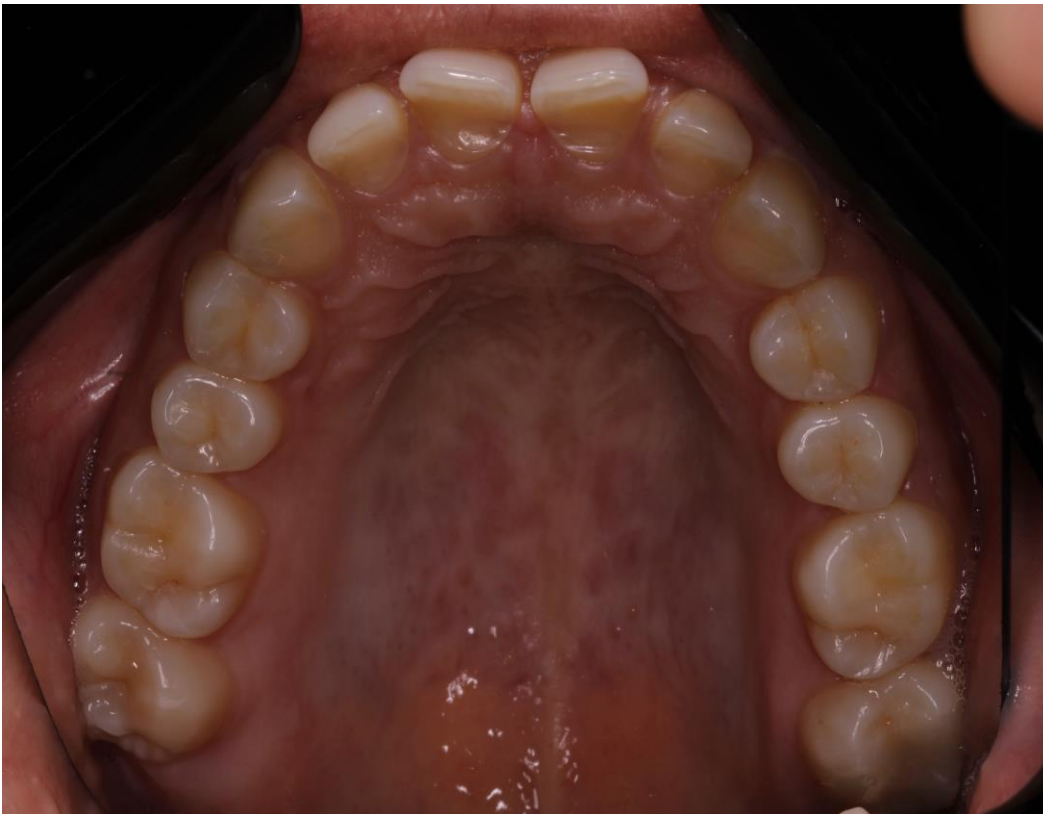
	PHOTO SET 8 Orthodontic/Esthetic Evaluation	UAB SOD Esthetics Club
EO Frontal Repose	EO Frontal Full Smile	EO Profile
		
IO Retracted Occlusal Maxillary	Doctor: UAB SOD Esthetics Club Patient: Jahnvi DOB/Age Date: November 3, 2023	IO Retracted Occlusal Mandibular
		
IO Retracted Closeup Buccal Right		IO Retracted Closeup Buccal Left
		



# *Records Summary for a “Facially Generated Treatment Plan”*

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Mirrored Photographs...










Must be Edited. Flipped Horizontal





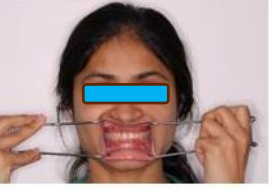






# Records Summary for a “Facially Generated Treatment Plan”

Photo Set 8

PHOTO SET 8 Orthodontic/Esthetic Evaluation		
EO Frontal Repose	EO Frontal Full Smile	EO Profile
		
IO Retracted Occlusal Maxillary	Doctor: UAB SOD Esthetics Club Patient: Jahnvi DOB/Age: Date: November 3, 2023	
		
IO Retracted Occlusal Mandibular	IO Retracted Closeup Buccal Right	IO Retracted Closeup Buccal Left
		

3:1 Photoset (ref. #1b, CDOCS)

3:1 SMILE DESIGN PHOTOS		
EO Frontal Relaxed Incisal Display	EO Frontal Full Smile	EO Frontal Full Smile Retracted
		
IO Retracted Occlusal Maxillary	Doctor: UAB SOD Esthetics Club Patient: Jahnvi DOB/Age: Date: 11/03/2023	
		
IO Retracted Occlusal Mandibular	IO Retracted Closeup Relaxed Inc Dis	IO Retracted Closeup Other
		

# *Records Summary for a “Facially Generated Treatment Plan”*

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## 3:1 Photos How to Do:

- Camera set on Tripod
- Camera on Portrait Settings
- Patient Seated on Stool if possible
- Cardboard Box placed Behind patient's head
- Patient Eyes and Camera Parallel to Horizon (no tilting)
- Camera Perpendicular to Mid-Center-Face (nose)

## 3:1 Photos How to Do (ref. #7)



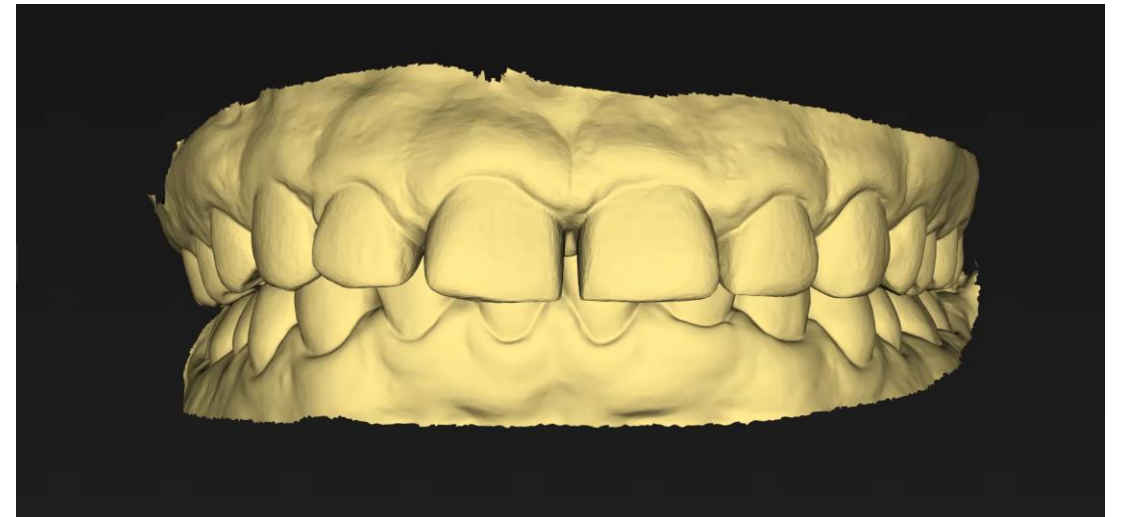
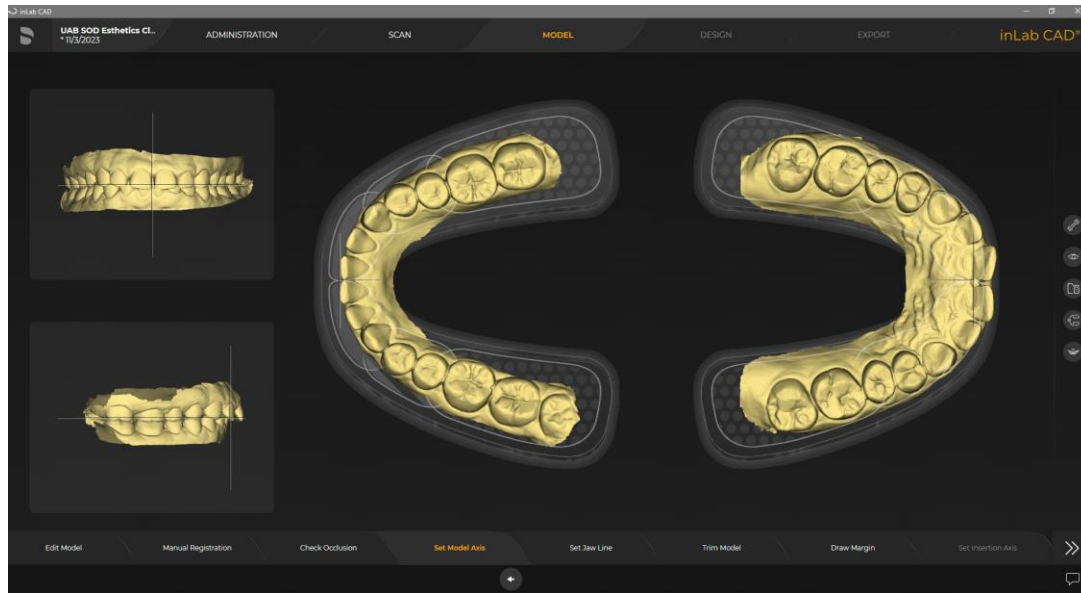
Medit You Tube link: <https://www.youtube.com/watch?v=u89Sobp0hM4>

# *Records Summary for a “Facially Generated Treatment Plan”*

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Digital Scan with Accurate  
**Model Axis\*** recorded

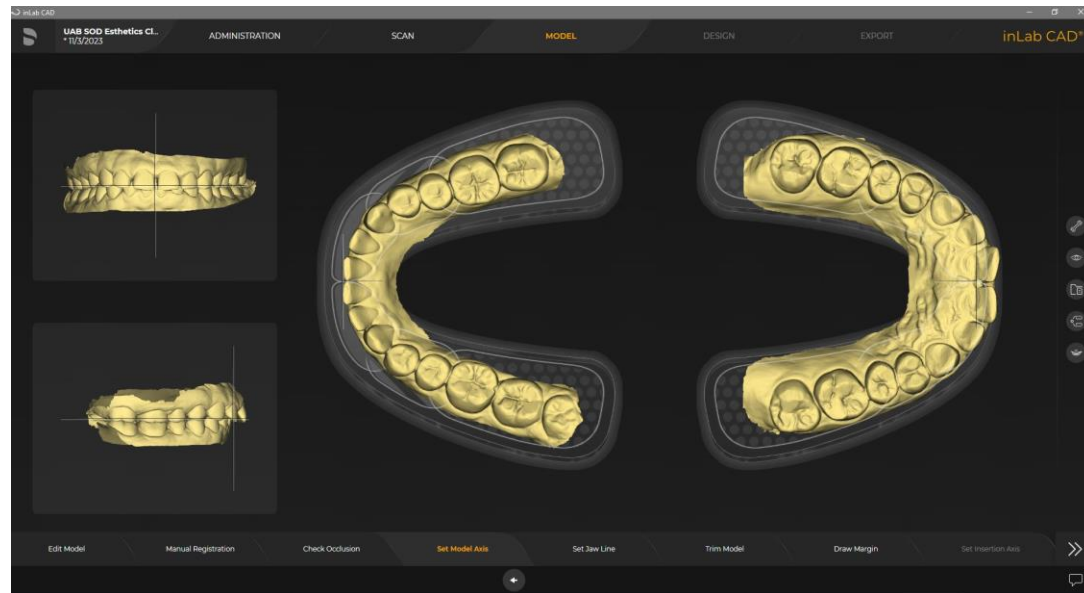
Immediate Digital Models are so  
convenient! (see video below:)



# *Records Summary for a “Facially Generated Treatment Plan”*

---

Digital Scan with Accurate  
**Model Axis\*** recorded



Alternative Alginates with Accurate  
**Facebow\*** Mounting

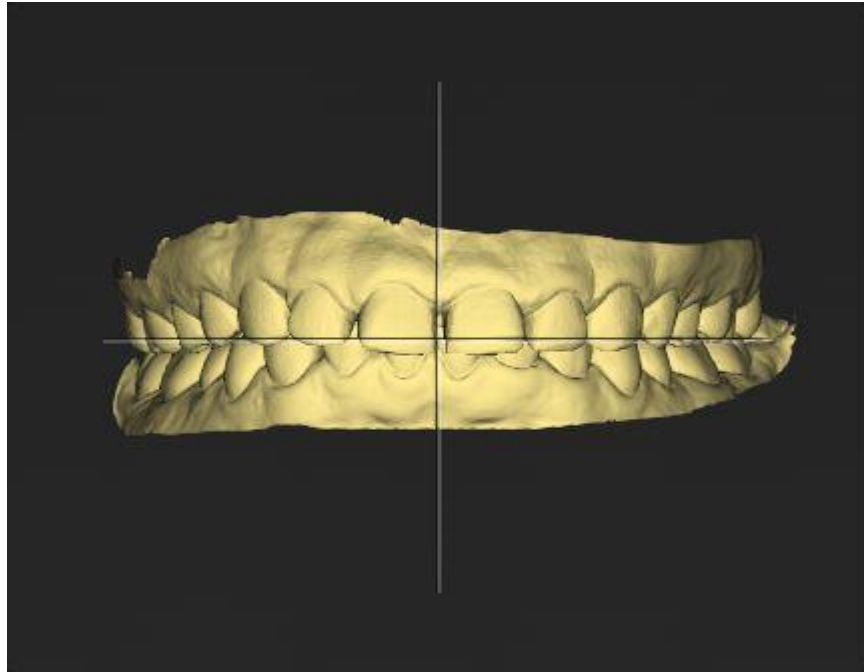


Quickmount FaceBow With Screw, Model 8645  
Whip-Mix Corporation  
Patterson Item #: 727-6959  
Mfg Item #: 15911

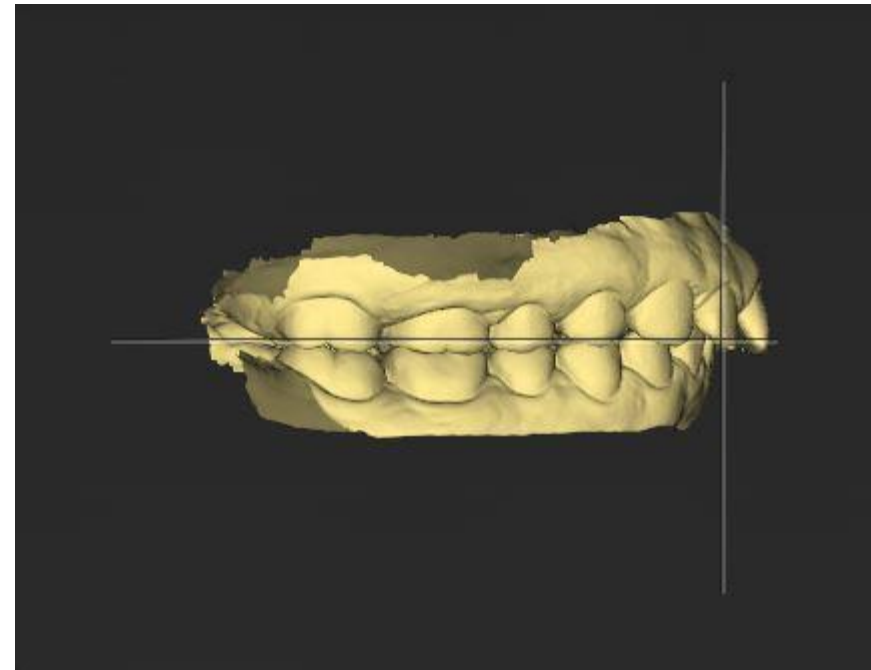
# *Records Summary for a “Facially Generated Treatment Plan”*

---

Curve of Wilson



Curve of Spee





# Records Summary for a “Facially Generated Treatment Plan”

## Orthodontic/Esthetic Exam (ref. #2)










Orthodontic/Esthetic Consultation Sheet UAB School of Dentistry Esthetics Club			
Patient Name		Date: November 3, 2023	Phone #:
Email		Age/DOB	26
Chief Concern(s):	Gaps, Diastemata	Teeth are too small	Muscles tired
Doctor Concerns:	Max Incisor lingual attrition	Altered Passive Eruption	Rotations
Other	Deep Bite		
Occlusion	Midline	MAXILLARY	MANDIBULAR
Class	I L, II R	Crowding	#8 M is on
CR CO	~	Spacing	none
Overbite	3.5 mm	Crossbite	none
Over Jet	4.5 mm	Cant	none
Perio Stage, Grade	2, B	Rotations	#7, 8, 9
TMJ	Movement, DDO	Whitening	Present Shade D2-3
Lateral Canthi Distance	90 mm	Incisal Display	Tooth # (mm): 7(0.5), 8(1), 9(1.5), 10(1)
Other		H x W Central	#8 HxW = 6.3 x 7.3 mm
		Restorative	
ORTHODONTIC	TREATMENT		
Method	SureSmile	Invisalign, Clear Correct	Refer
Limitations	Full Case	Anterior	
Time Estimate		Fee Estimate	
NEXT VISIT	Comp Exam	Perio Exam	Px
Ortho Records:	IO Scan	CBCT Panx FMX	
Photographic Records:	Photo Set 8 up	3:1 (Smile, Retracted, Lips at Rest)	
Reviewed: Initial, Date	IPR	To create space, teeth may need to be slenderized.	
	Attachments	Tooth colored bonding may be placed on teeth to move selected teeth more readily.	
	OA	Teeth may need to be adjusted before, during, &/or after treatment to make bite line up just right.	
	Retainers	Will need to be worn indefinitely when treatment is completed to prevent relapse and to protect your investment.	
	Refinement	At end of initial treatment Dr. or patient may request an additional set of trays to obtain a more optimum result. We often see about 90% of anticipated programmed results.	
	22 hrs/Day	Trays must be worn 22 hours (all the time except eating then brushing and flossing teeth ) every day for treatment to be successful. Only water can be consumed with trays in place.	




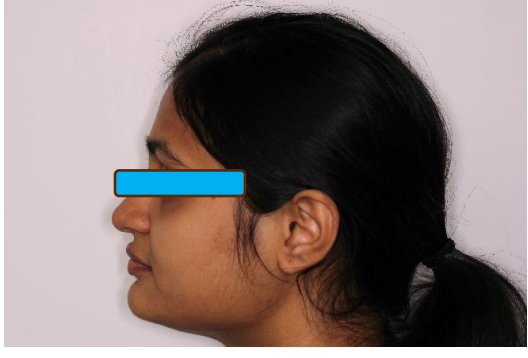


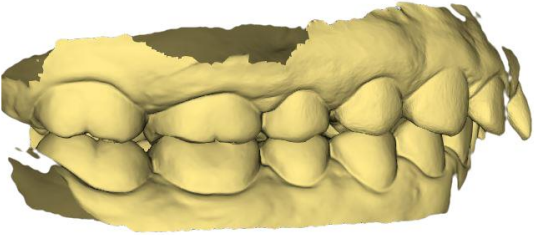
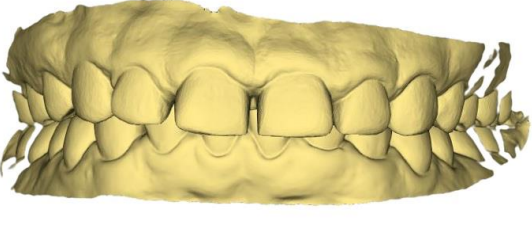
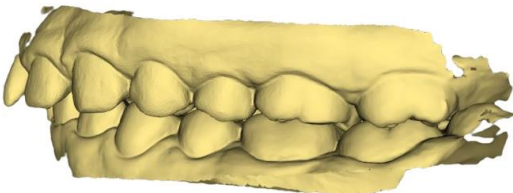
## Perio Chart

Periodontal Examination																
Patient Information:																
Hospital No																
Patient Name																
Maxillary	Mandibular	Case Analysis	Diagnosis	Treatment Plan	Questionnaire	Questionnaire Summary	Review									
Probing Depth			2 1 2 2 1 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												
Recession			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
Attachment level			2 1 2 2 1 2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2												
Keratinized Gingiva			3	3	2	2	2	2	2	2	2	2	2	2	2	
Plaque			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
Gingival Bleeding			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
Buccal																
Lingual																
Gingival Bleeding			1	2	3	4	5	6	7	8	9	10	11	12	13	
Plaque																
Attachment level			1 1 2 1 1 2	1 1 3	2 1 2	1 1 1	2 1 2									
Recession			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0													
Probing Depth			1 1 2	1 1 2	1 1 3	2 1 2	1 1 1	2 1 2								
0	1	2	3	B												
4	5	6	7	S												
8	9	10	11	N												
12	13	14	15	+/-												
					Notes					Scores						
										No. of sites PD >= 4mm						
										No. of sites with BOP						
										% of sites with BOP						
										O'Leary Plaque Index						






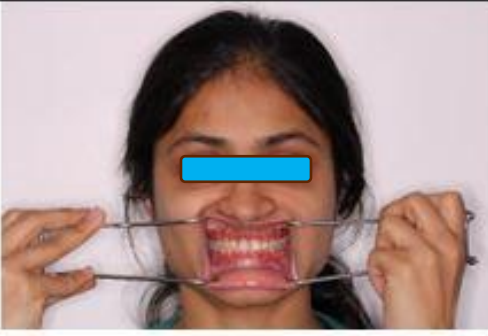







	<b>PHOTO SET 8</b> <b>Orthodontic/Esthetic Evaluation</b>	<b>UAB SOD Esthetics Club</b>
<b>EO Frontal Repose</b>	<b>EO Frontal Full Smile</b>	<b>EO Profile</b>
		
<b>IO Retracted Occlusal Maxillary</b>	<b>Doctor: UAB SOD Esthetics Club</b>  <b>Patient: Jahnvi</b>  <b>DOB/Age:</b>  <b>Date: November 3, 2023</b>	<b>IO Retracted Occlusal Mandibular</b>
		
<b>IO Retracted Closeup Buccal Right</b>	<b>IO Retracted Closeup Anterior</b>	<b>IO Retracted Closeup Buccal Left</b>
		

	<p><b>PHOTO SET 8</b> <b>Orthodontic/Esthetic Evaluation</b></p>	<p><b>UAB SOD Esthetics Club</b></p>
<p><b>EO Frontal Repose</b></p>	<p><b>EO Frontal Full Smile</b></p>	<p><b>EO Profile</b></p>
		
<p><b>IO Retracted Occlusal Maxillary</b></p>	<p><b>Doctor: UAB SOD Esthetics Club</b></p> <p><b>Patient: Jahnvi</b></p> <p><b>DOB/Age:</b></p> <p><b>Date: November 3, 2023</b></p>	<p><b>IO Retracted Occlusal Mandibular</b></p>
		
<p><b>IO Retracted Closeup Buccal Right</b></p>		<p><b>IO Retracted Closeup Buccal Left</b></p>
		





	3:1 SMILE DESIGN PHOTOS	UAB SOD Esthetics Club
EO Frontal Relaxed Incisal Display	EO Frontal Full Smile	EO Frontal Full Smile Retracted
		
IO Retracted Occlusal Maxillary	Doctor: UAB SOD Esthetics Club Patient: Jahnvi DOB/Age: Date: 11/03/2023	IO Retracted Occlusal Mandibular
		
IO Retracted Closeup Relaxed Inc Dis	IO Retracted Closeup Other	IO Retracted Closeup Anterior
		





## Patient Information:

Hospital No

Patient Name

Authorized by: BSCORNER on 11/2/2022 5:18:20

Maxillary	Mandibular	Case Analysis	Diagnosis	Treatment Plan	Questionnaire	Questionnaire Summary	Review									
Probing Depth																
Recession																
Attachment level																
Keratinized Gingiva																
Plaque																
Gingival Bleeding																
<b>Buccal</b>																
<b>Lingual</b>																
Gingival Bleeding																
Plaque																
Attachment level																
Recession																
Probing Depth																

0	1	2	3	B
4	5	6	7	S
8	9	10	11	N
12	13	14	15	+/-

☐ Furcation☐ Frenum☐ Mark Plaque for All Sites

## Notes

## Scores

No. of sites PD  $\geq$  4mm

0

No. of sites with BOP

0

% of sites with BOP

0

O'Leary Plaque Index

0

Orthodontic/Esthetic Consultation Sheet  
UAB School of Dentistry Esthetics Club

Patient Name			
Email			
Chief Concern(s):	Gaps, Diastemata	Teeth are too small	Muscles tired
Doctor Concerns:	Max Incisor lingual attrition	Altered Passive Eruption	Rotations
Other	Deep Bite		

			MAXILLARY	MANDIBULAR
Occlusion		Midline	#8 M is on	1 mm Right
Class	I L, II R	Crowding	none	none
CR CO	~	Spacing	#5-11	Lower Anteriors
Overbite	3.5 mm	Crossbite	none	none
Over Jet	4.5 mm	Cant	none	none
Perio Stage, Grade	2, B	Rotations	#7, 8, 9	
TMJ	Movement, DOO	Whitening	Present Shade D2-3	D2-3
Lateral Canthi Distance	90 mm	Incisal Display	Tooth #(mm): 7(0.5), 8(1), 9(1.5), 10(1)	Negative 2-3 mm
Other		H x W Central	#8 HxW = 6.3 x7.3 mm	
		Restorative		

ORTHODONTIC	TREATMENT		
Method	SureSmile	Invisalign, Clear Correct	Refer
Limitations	Full Case	Anterior	
Time Estimate		Fee Estimate	
NEXT VISIT	Comp Exam	Perio Exam	Px
Ortho Records:	IO Scan	CBCT Panx FMX	
Photographic Records:	Photo Set 8 up	3:1 (Smile, Retracted, Lips at Rest)	

Reviewed: Initial, Date		
	IPR	To create space, teeth may need to be slenderized.
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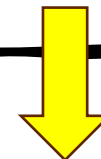


# Orthodontic/Esthetic Exam

## Orthodontic/Esthetic Consultation Sheet *UAB School of Dentistry Esthetics Club*

<b>Patient Name</b>		<b>Date:</b> November 3, 2023	<b>Phone #:</b>
<b>Email</b>		<b>Age/DOB</b>	
<b>Chief Concern(s):</b>	Gaps, Diastemata	Teeth are too small	Muscles tired
<b>Doctor Concerns:</b>	Max Incisor lingual attrition	Altered Passive Eruption	Rotations
<b>Other</b>	Deep Bite		

# Orthodontic/Esthetic Exam



			MAXILLARY	MANDIBULAR
<b>Occlusion</b>		<b>Midline</b>	#8 M is on	1 mm Right
<b>Class</b>	I L, II R	<b>Crowding</b>	none	none
<b>CR CO</b>	~	<b>Spacing</b>	#5-11	Lower Anteriors
<b>Overbite</b>	3.5 mm	<b>Crossbite</b>	none	none
<b>Over Jet</b>	4.5 mm	<b>Cant</b>	none	none
<b>Perio Stage, Grade</b>	2, B	<b>Rotations</b>	#7, 8, 9	
<b>TMJ</b>	Movement, DOO	<b>Whitening</b>	Present Shade D2-3	D2-3
<b>Lateral Canthi Distance</b>	90 mm	<b>Incisal Display</b>	<b>Tooth #(mm):</b> 7(0.5), 8(1), 9(1.5), 10(1)	Negative 2-3 mm
<b>Other</b>		<b>H x W Central</b>	#8 HxW = 6.3 x 7.3 mm	
		<b>Restorative</b>		

# Orthodontic/Esthetic Exam

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ORTHODONTIC	TREATMENT		
Method	SureSmile	Invisalign, Clear Correct	Refer
Limitations	Full Case	Anterior	
Time Estimate		Fee Estimate	
NEXT VISIT	Comp Exam	Perio Exam	Px
Ortho Records:	IO Scan	CBCT Panx FMX	
Photographic Records:	Photo Set 8 up	3:1 (Smile, Retracted, Lips at Rest)	

# Orthodontic/Esthetic Exam

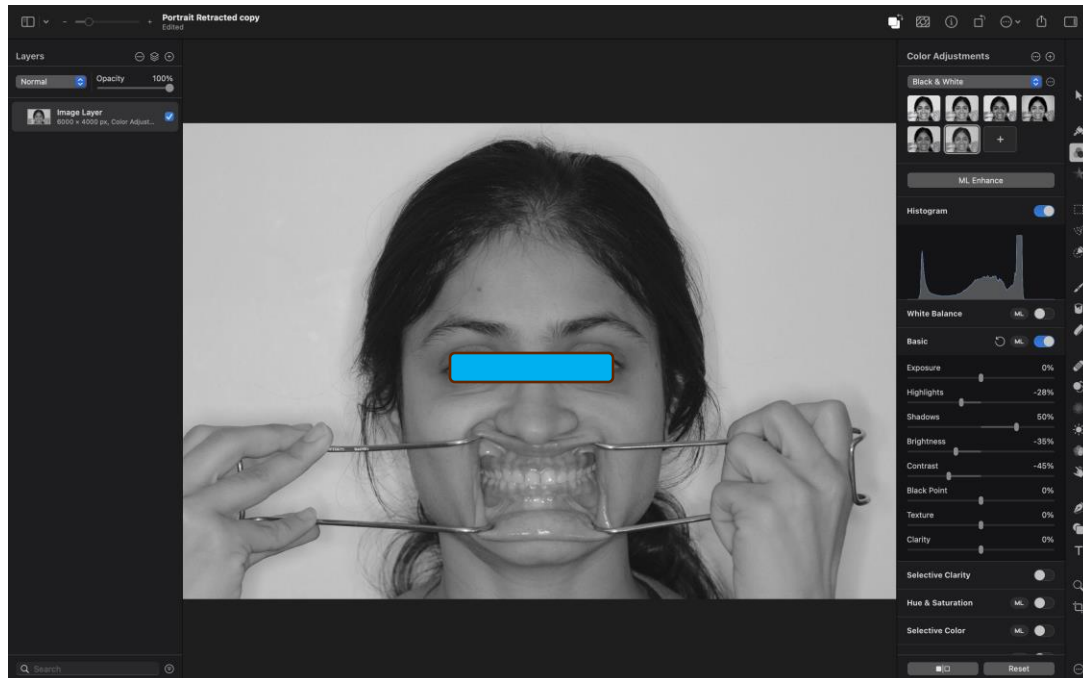
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Reviewed: Initial, Date		
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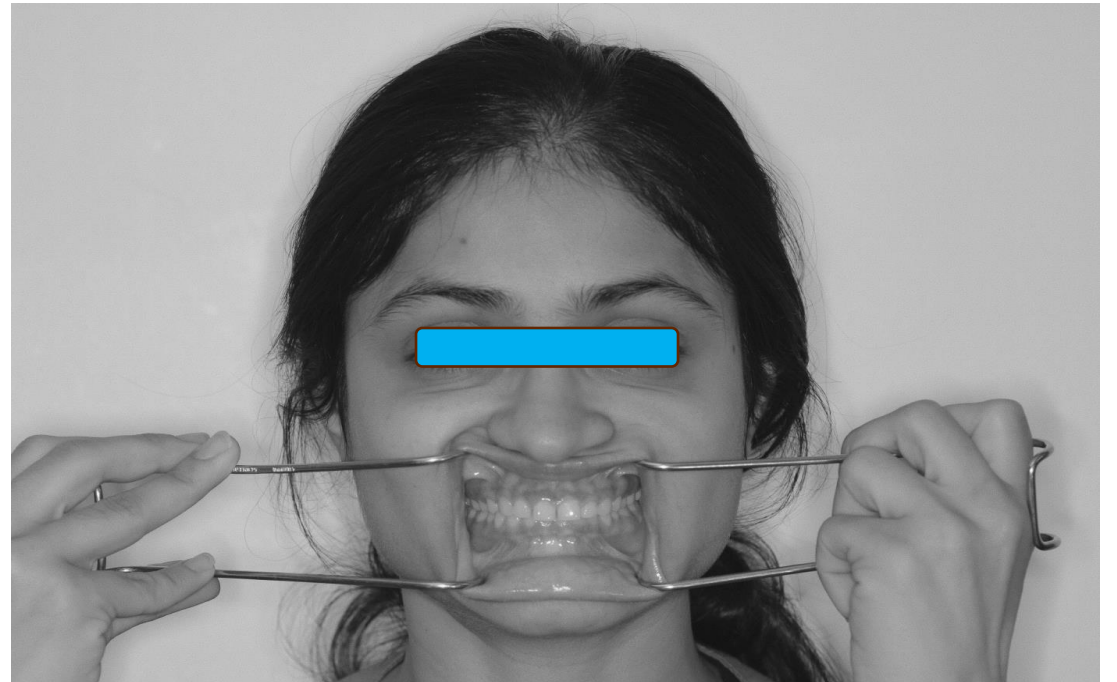
# *Old School Paper Design*

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B+W to print



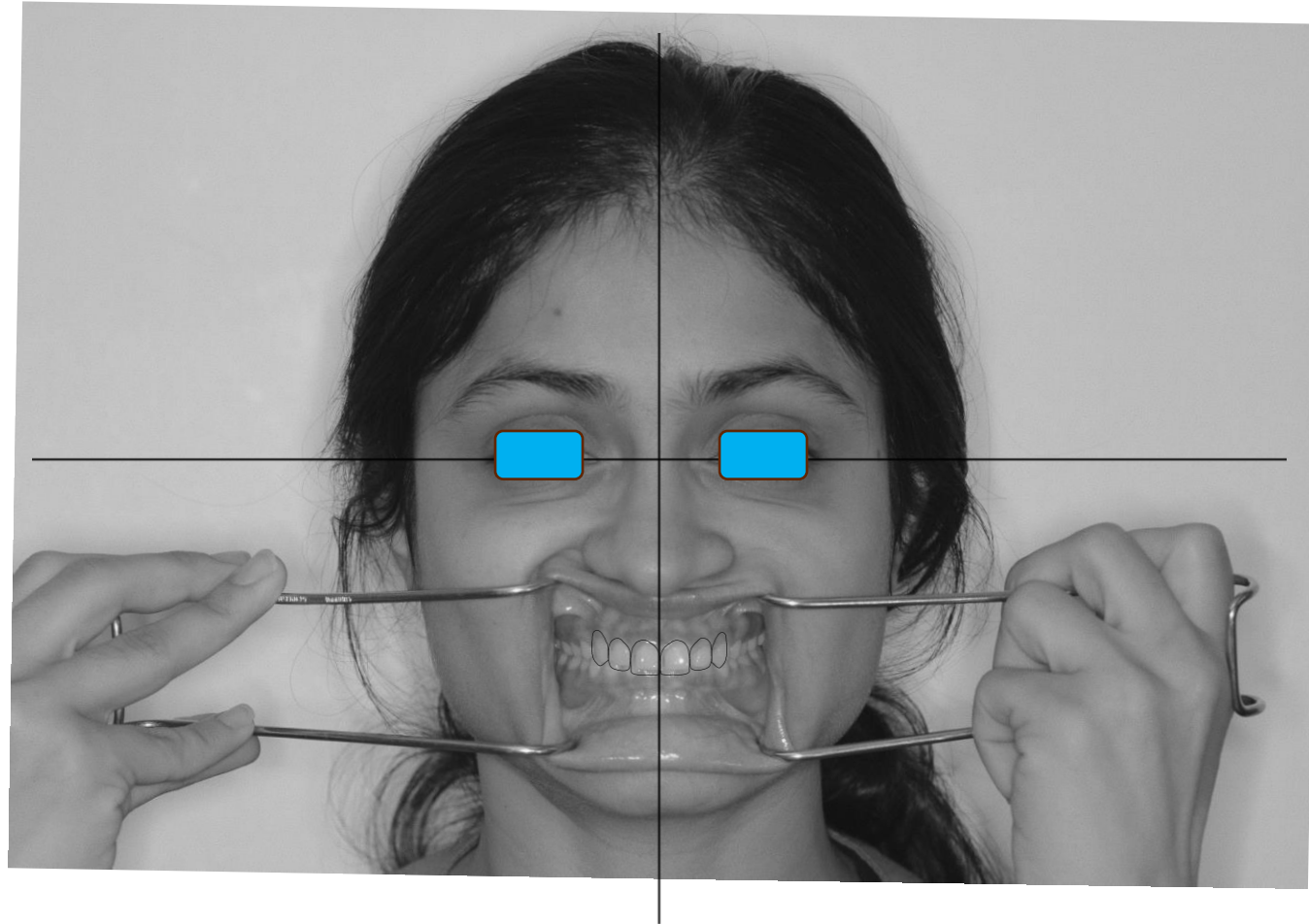
B+W to Sketch



MAC Pixelmator Pro, Color Adjustments (3 overlaying circles), Black and White, select best option to print.

# *Old School Design + Spear Templates* (ref. #1b, 10)

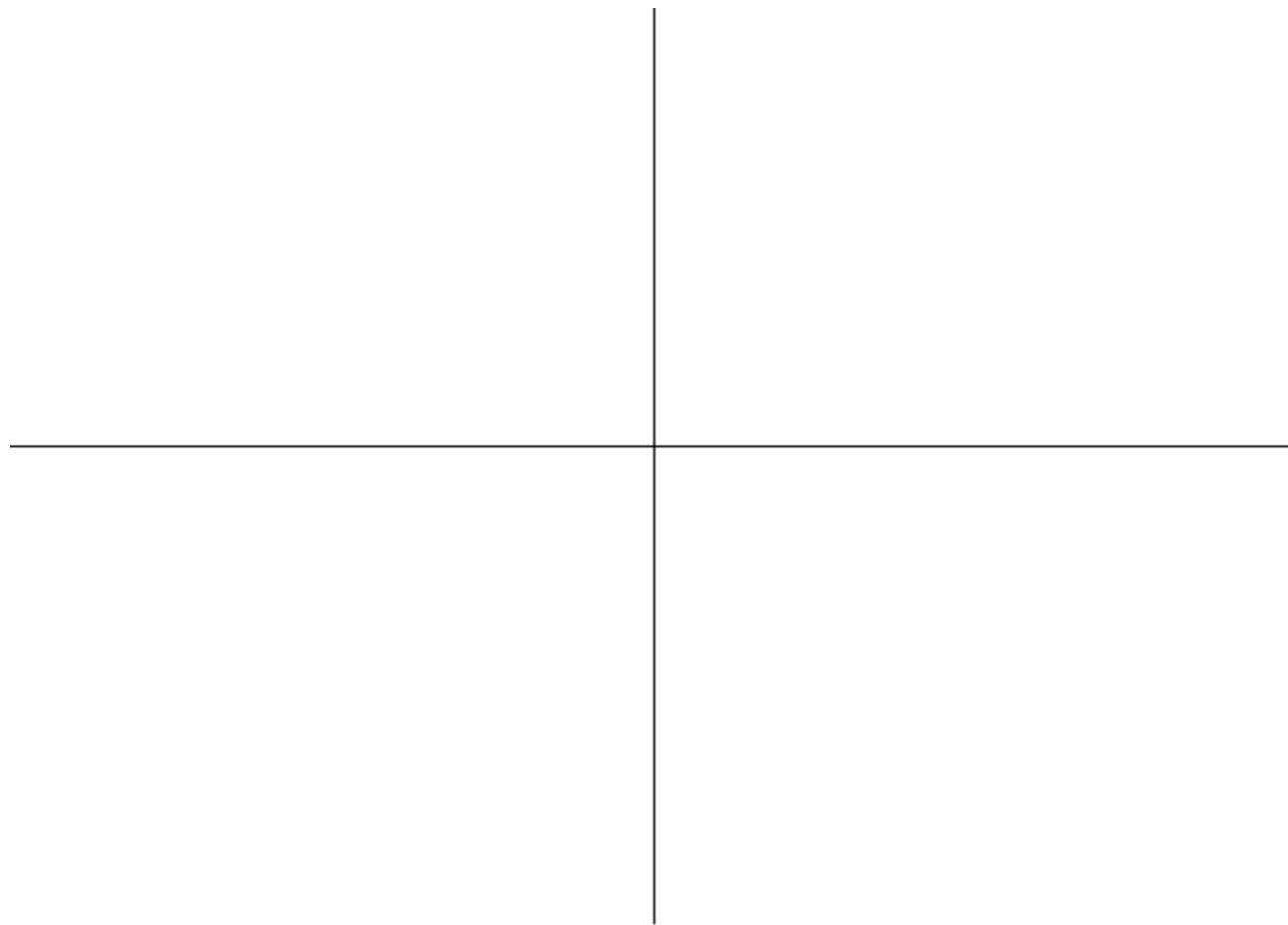
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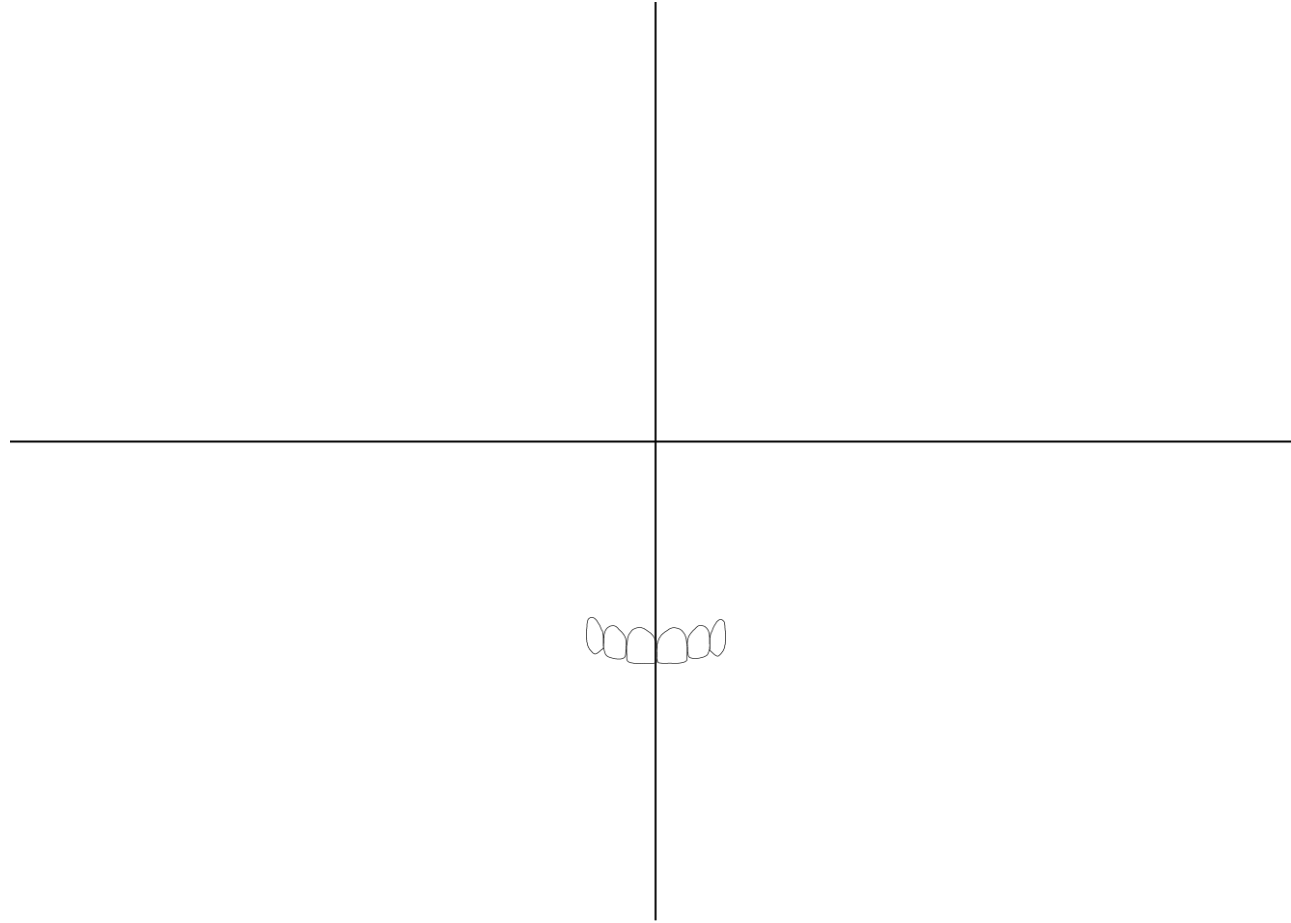
# *Old School Design +* Spear Templates

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# *Old School Design +* Spear Templates

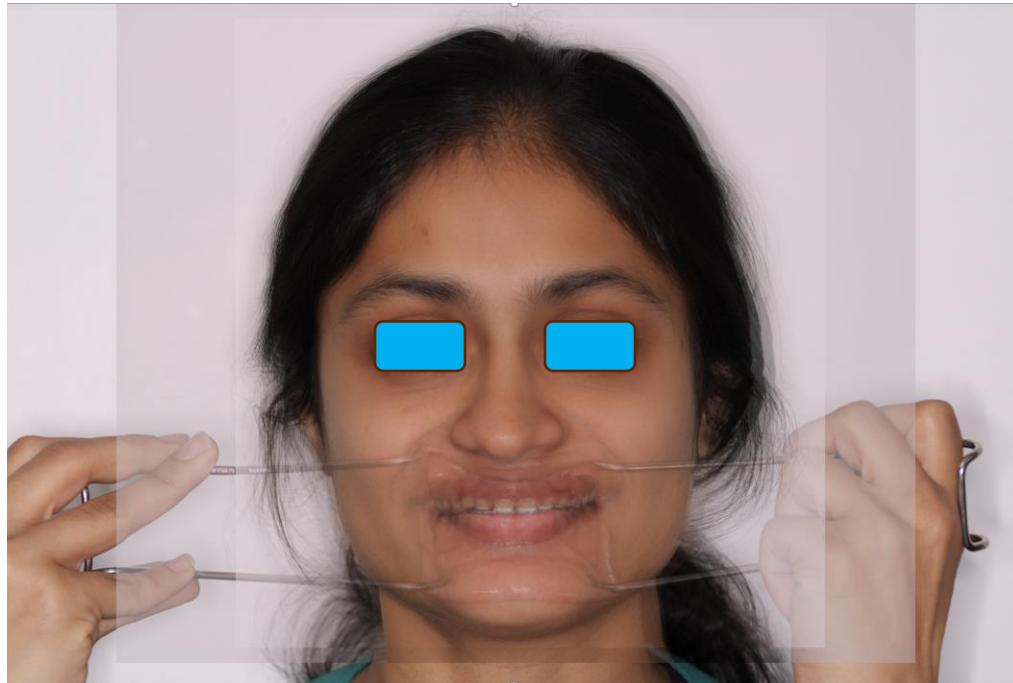
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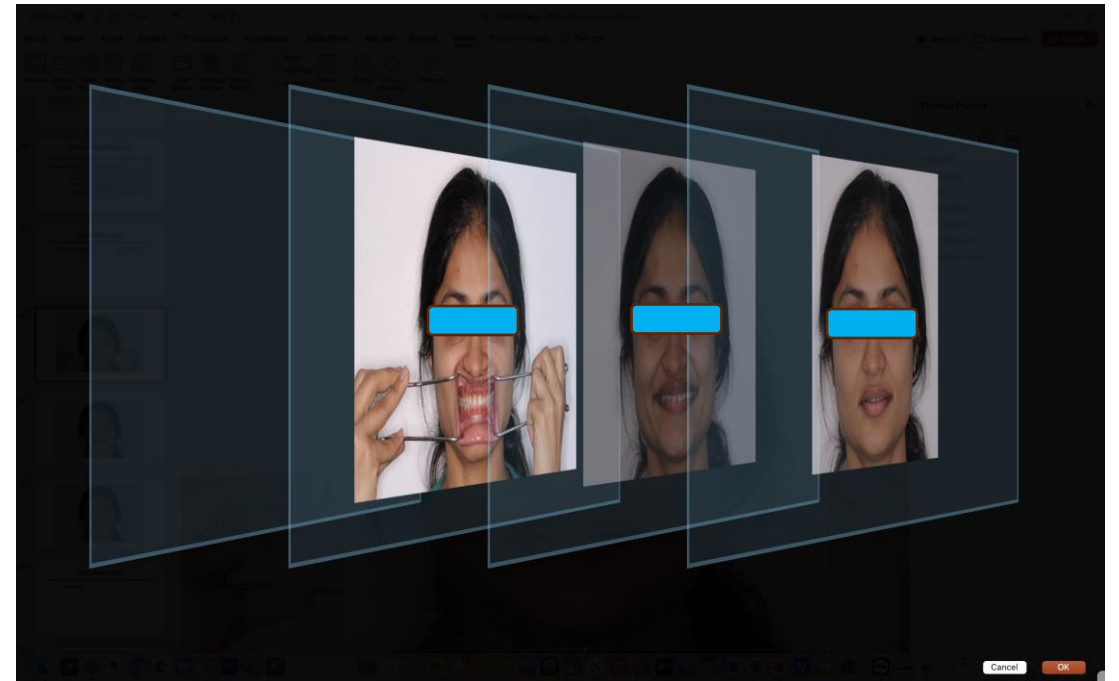
# *Old School Design.* Powerpoint Layered Photos

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## 3:1 Photo Merge (ref. #1b)

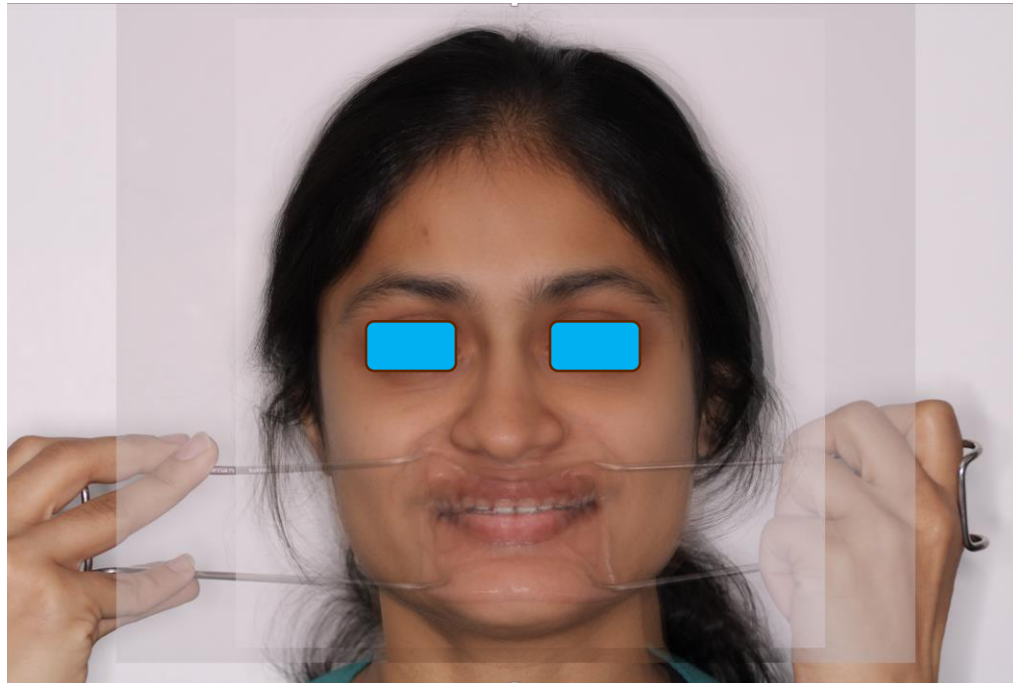


**3 Portraits Back to Front:  
Retracted, Full Smile, Relaxed**

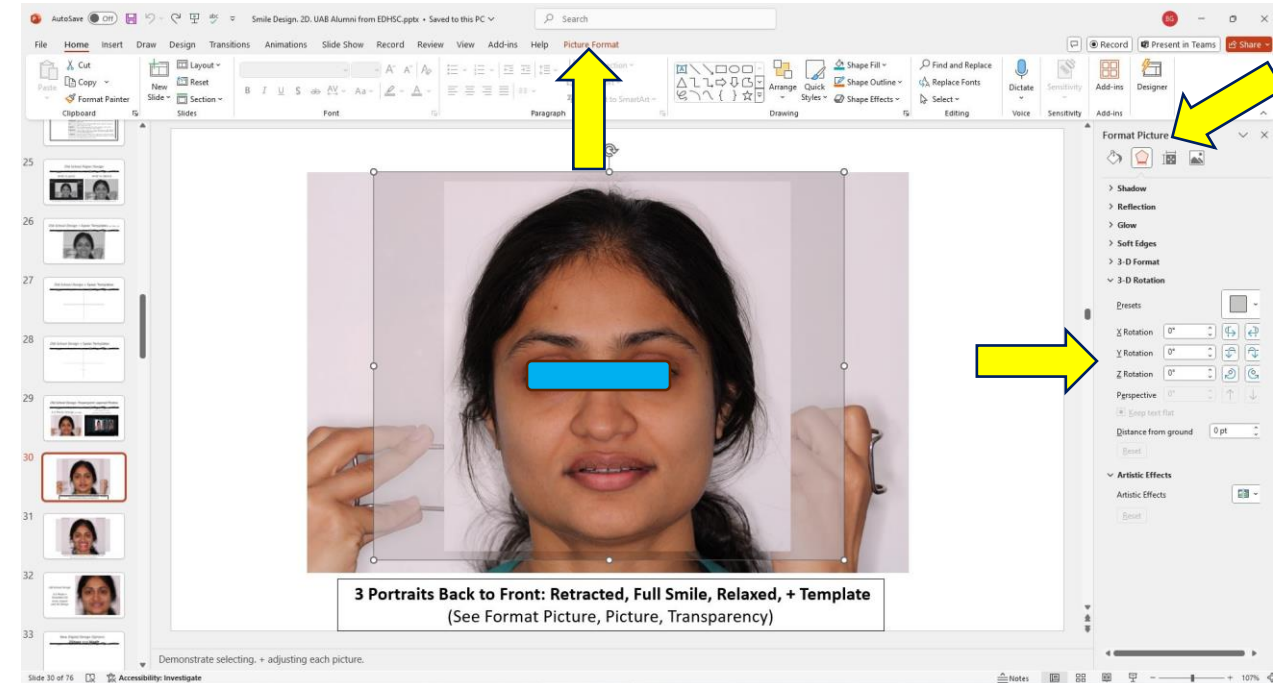


# Old School Design. Powerpoint Layered Photos

## 3:1 Photo Merge (ref. #1b)



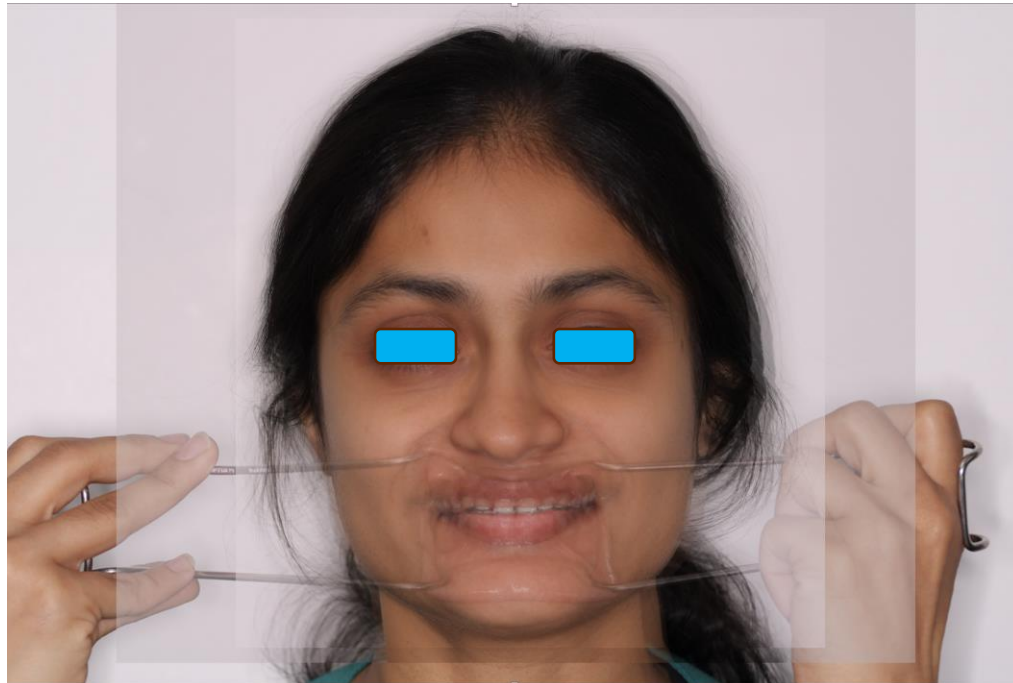
3 Portraits: Retracted, Full Smile, Relaxed.  
**Align and Rotate as needed**  
(Much easier when 3:1 photos taken perfectly!)



# Old School Design. Powerpoint Layered Photos

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## 3:1 Photo Merge (ref. #1b)



**3 Portraits Back to Front:**  
**Retracted, Full Smile, Relaxed.**  
**Powerpoint: moving objects instructions**

Move an object to the back or front

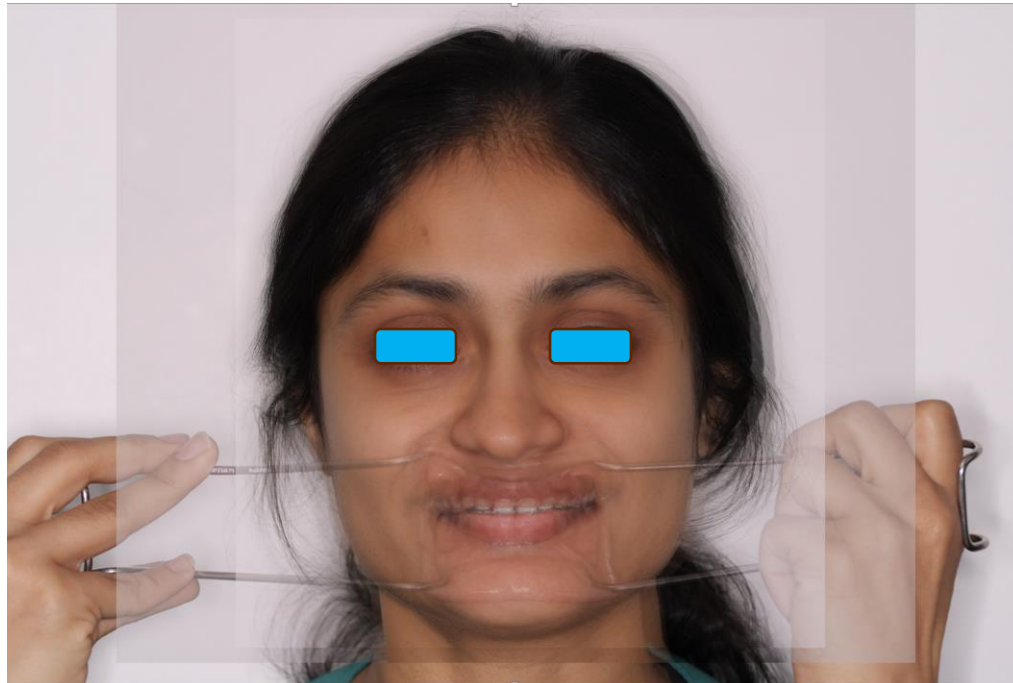
1. Select the object.
2. Right-click and select an option:
  - **Bring to Front** - to move the object in front of all other objects.
  - **Send to Back** - to move the object behind all other objects.
3. Or, to move an object in-between layers:
  - **Bring to Front > Bring Forward** - to move the object in front of another object.
  - **Send to Back > Send Backward** - to move the object behind, or in back of another object.

Use the Selection Pane to find hidden objects

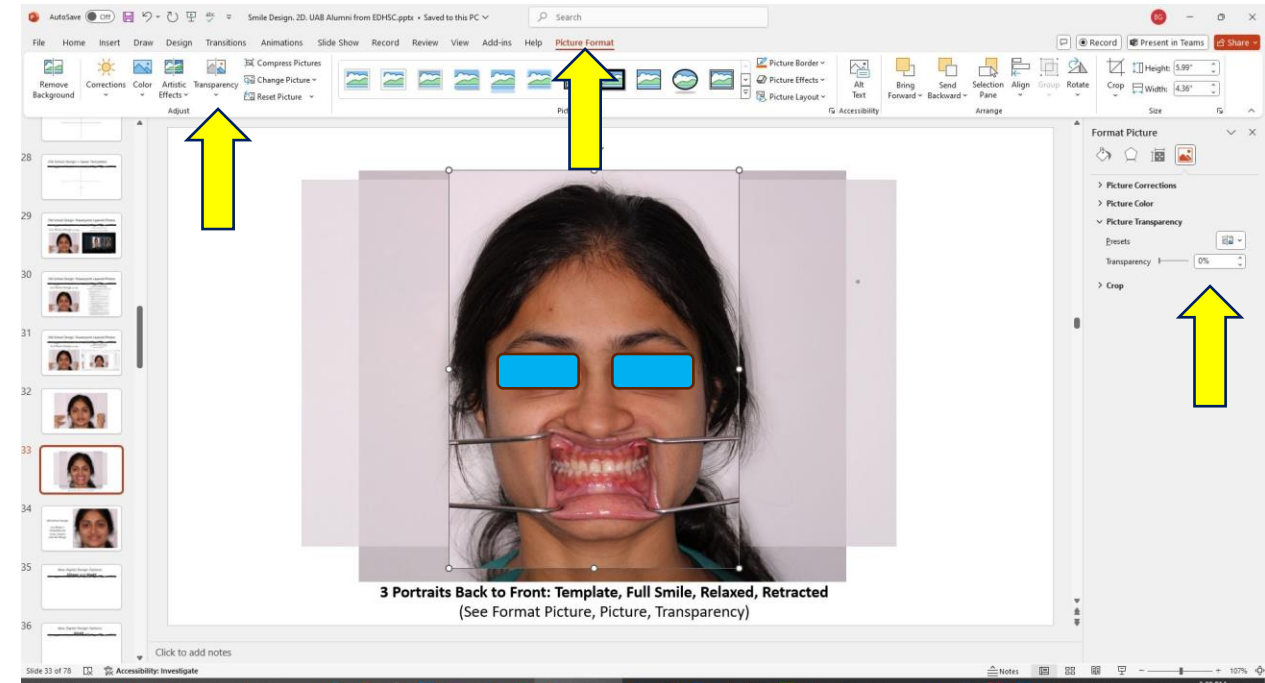
1. If an object is hidden behind other objects, select **Home > Select > Selection Pane**.
2. In the **Selection Pane**, reorder the objects how you want. The front object is listed at the top. You can turn objects off/on by selection the "open eye" icon or lock them.

# Old School Design. Powerpoint Layered Photos

## 3:1 Photo Merge (ref. #1b)



3 Portraits: Retracted, Full Smile, Relaxed.  
**Set Transparency as needed.**

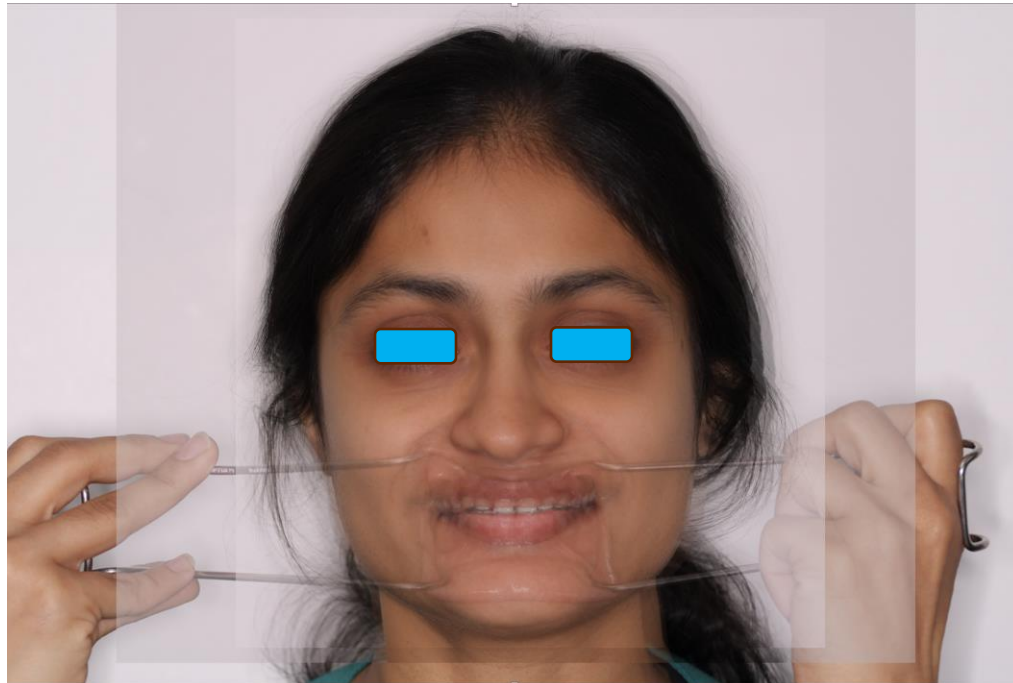




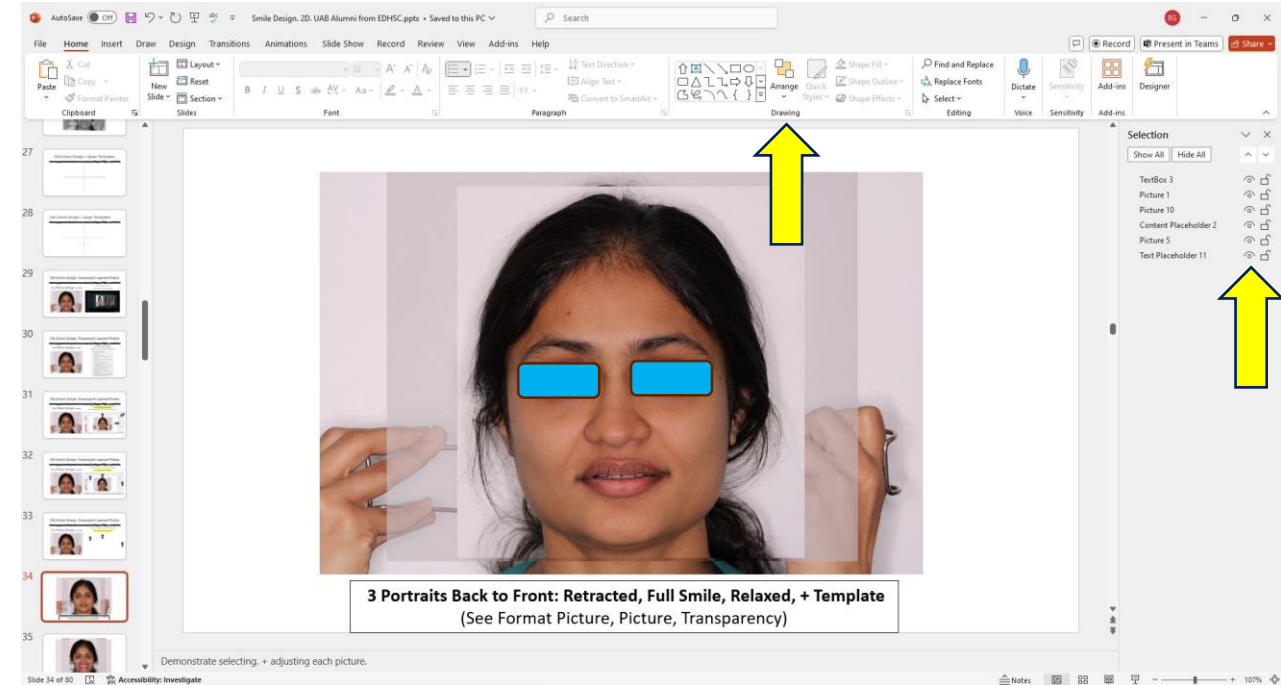
# Old School Design. Powerpoint Layered Photos

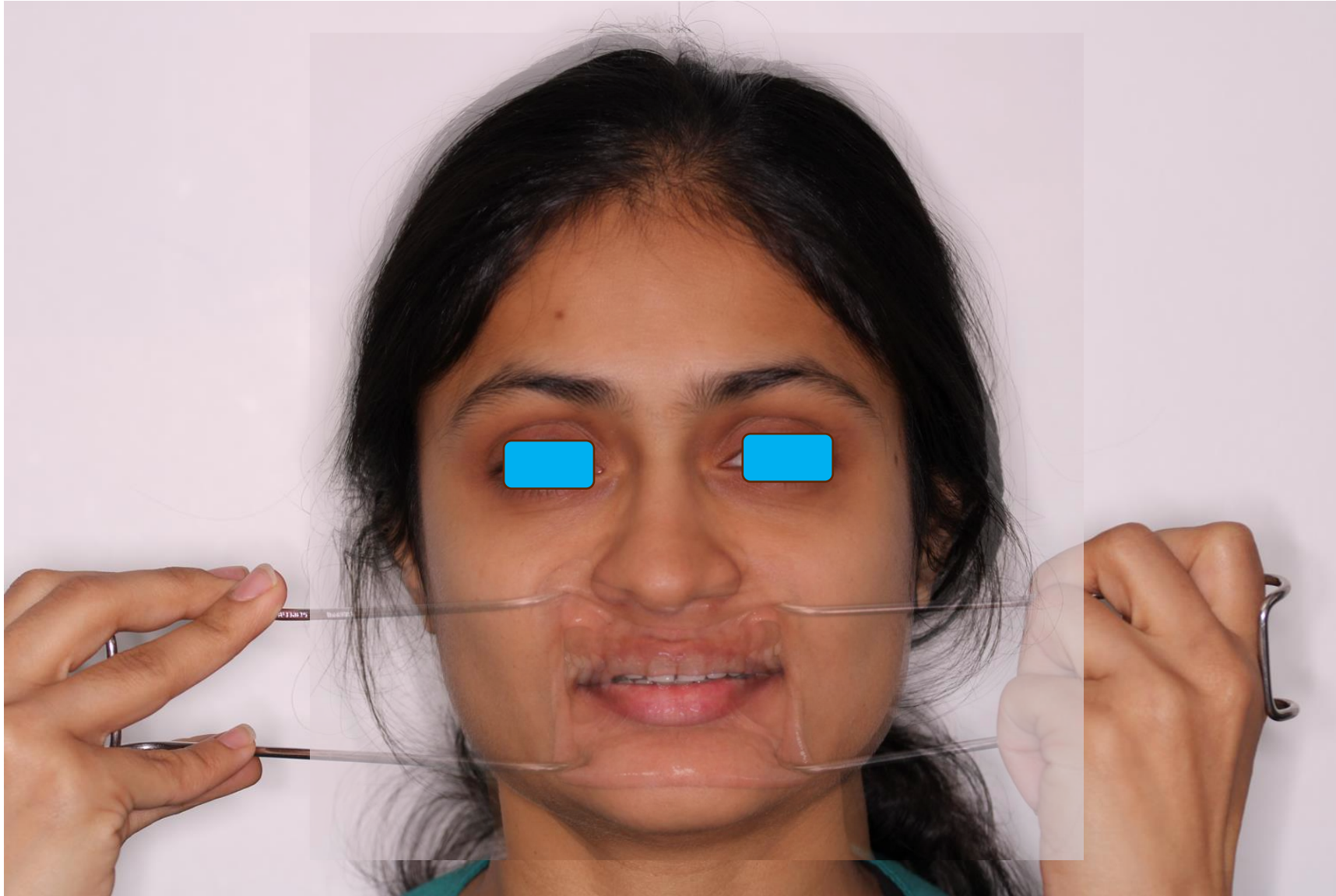
---

## 3:1 Photo Merge (ref. #1b)

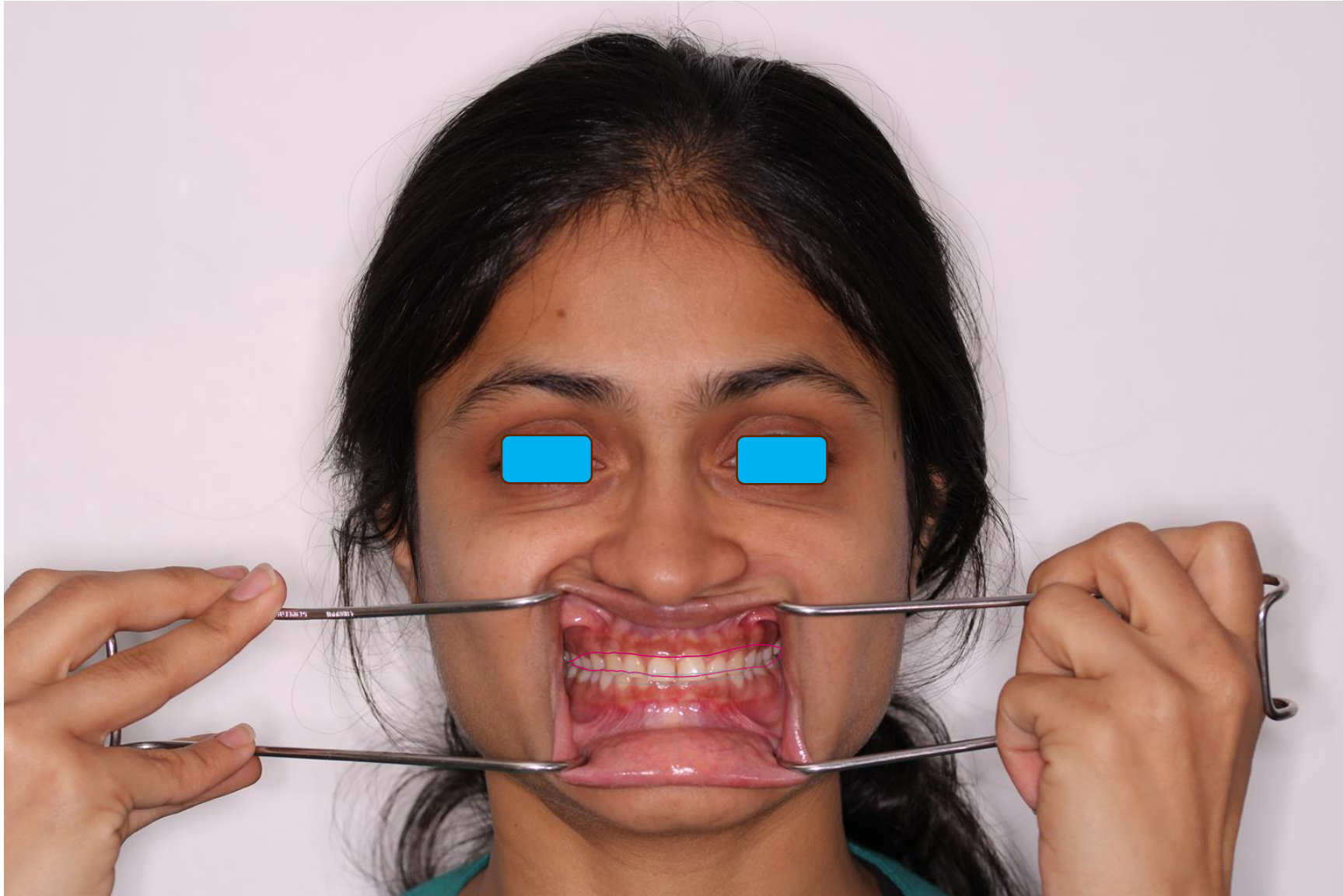


**3 Portrait: Retracted, Full Smile, Relaxed.**  
**Arrange Pane. Select/Toggle Off/On PRN**

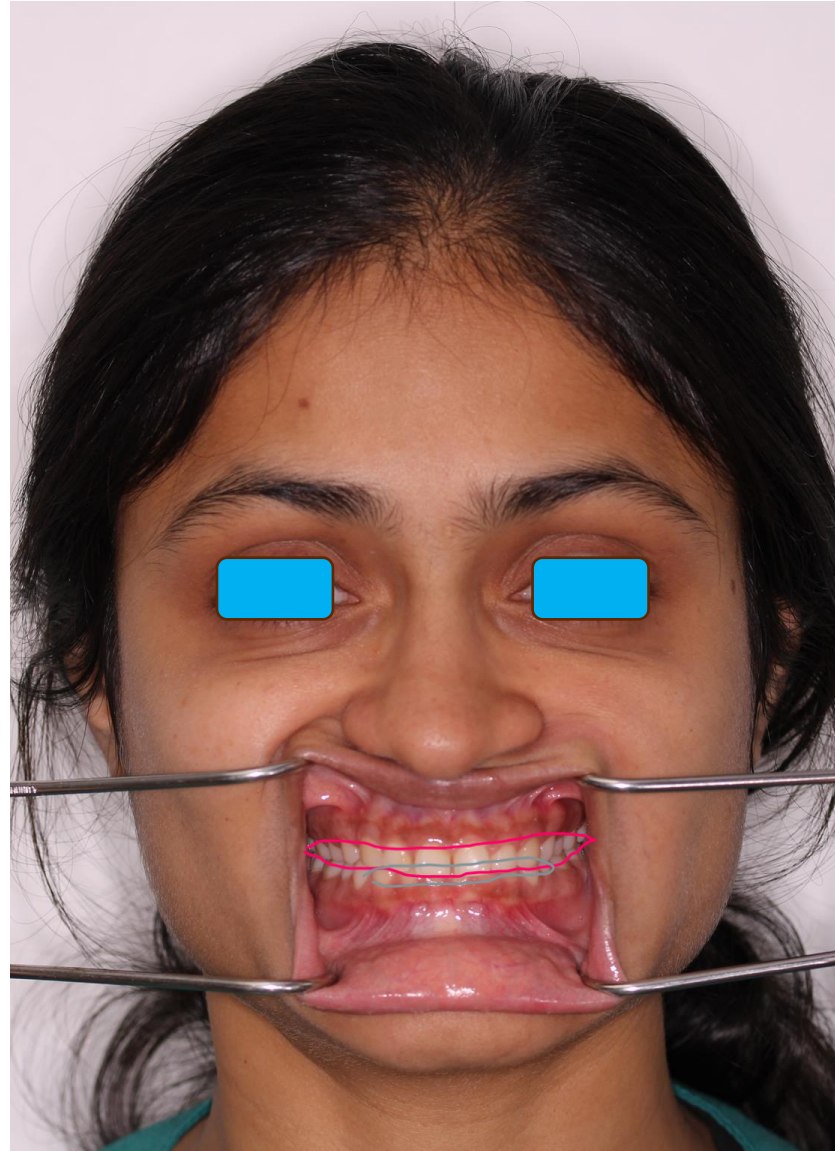




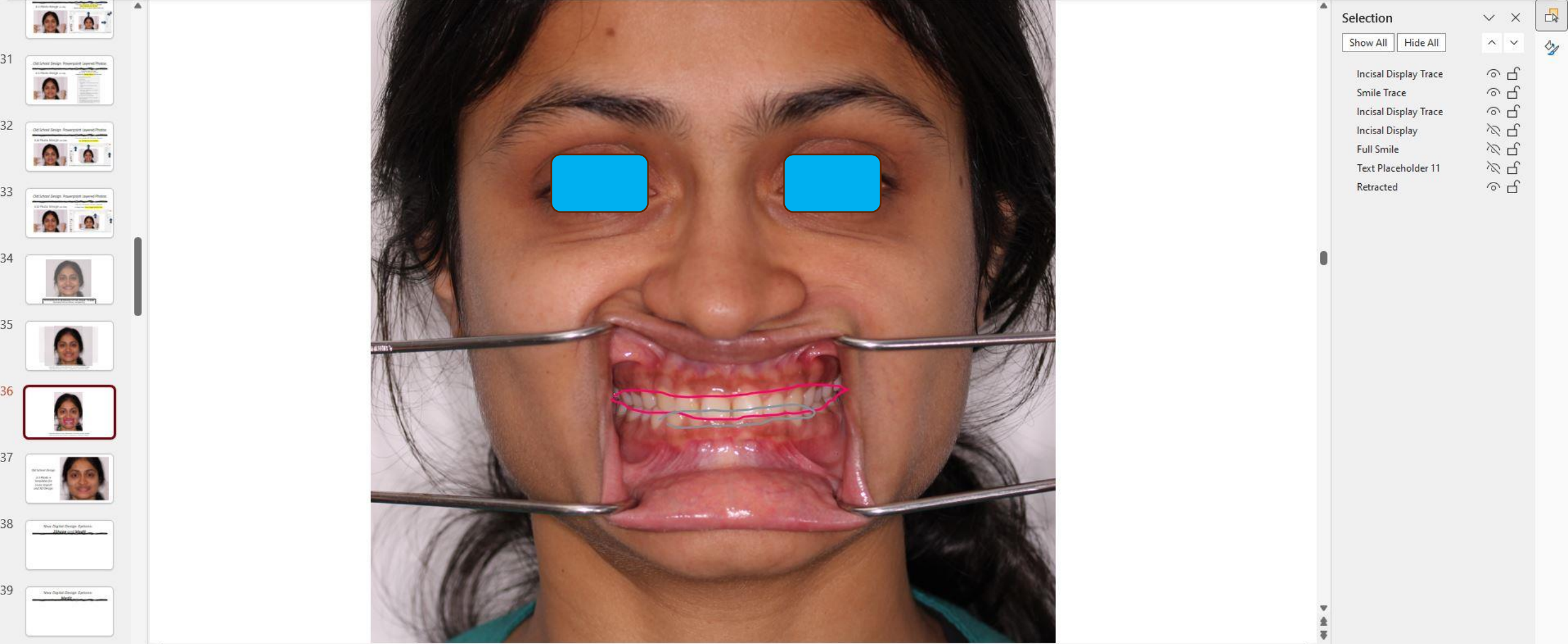
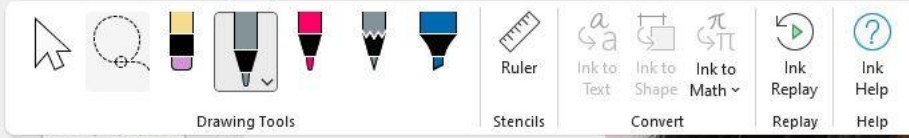
**3 Portraits Back to Front: Retracted, Full Smile, Relaxed, + Template**  
(See Format Picture, Picture, Transparency)





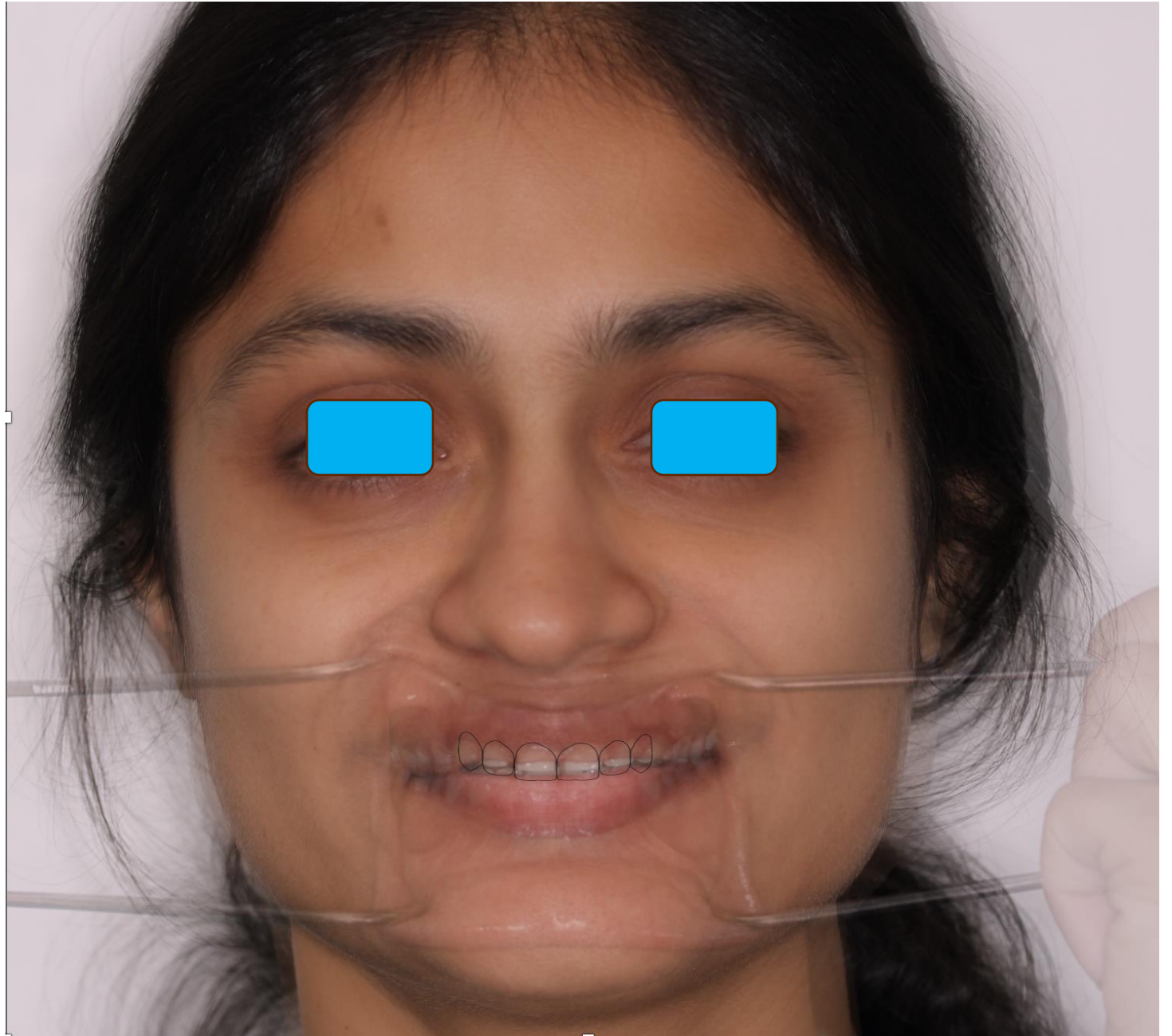


**3 Portraits Back to Front: Retracted, Full Smile, Incisal Display**  
(See Format Picture, Picture, Transparency, Selection Panel)





*Old School Design  
3:1 Photo + Templates  
for  
Cerec Import  
and 3D Design...  
Theoretically!*



*New Digital Design Options:*  
***3Shape and Medit***

---

*New Digital Design Options:*

***Medit*** (ref. #6)

---

# New Digital Design Options:

## *Medit* (ref. #6)

MEDIT Link 3.2.0 Barry Goodspeed

**Work Box**

✓ All | Form Only | Need Processing | Scan Completed | CAD | CAM | Mill | Done

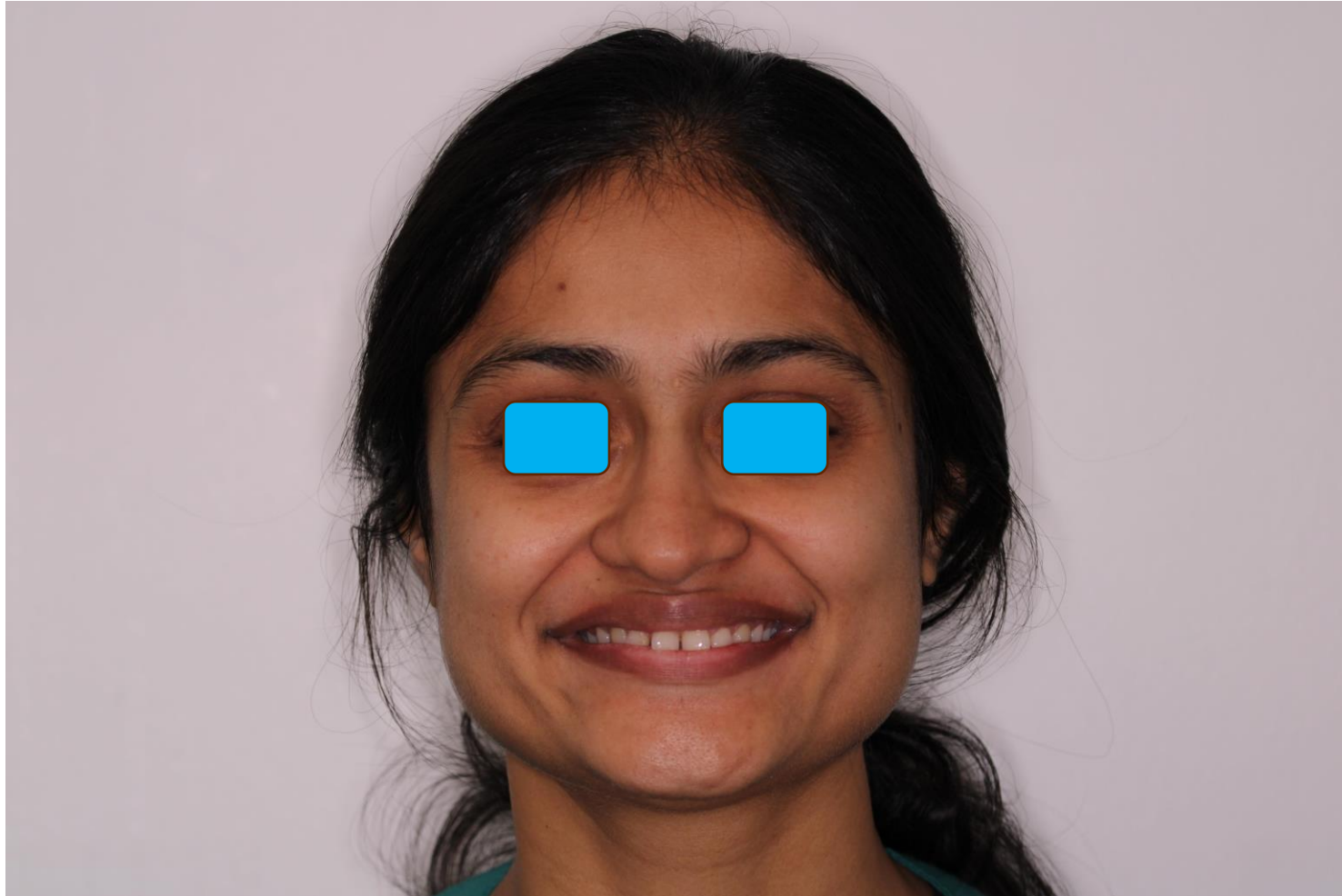
Total Cases: 2 Refresh 1/1/2018~12/29/2023 Patient Name Patel View Options

Status	Case Name	Patient Name ↑	Form Information	Last Modified Date	Requested Delivery Date	Clinic Name	Order ID
Form Only	Jahnvi	-	-	12/29/2023 12:12 PM	11/11/2023 12:00 AM	UAB School of Dentistry	-
Form Only	Jahnvi	-	8-Veneer / 9-Veneer	12/29/2023 11:58 AM	11/15/2023 12:00 AM	UAB School of Dentistry	-

12:15 PM

# ***Medit:*** Import Images. Portrait

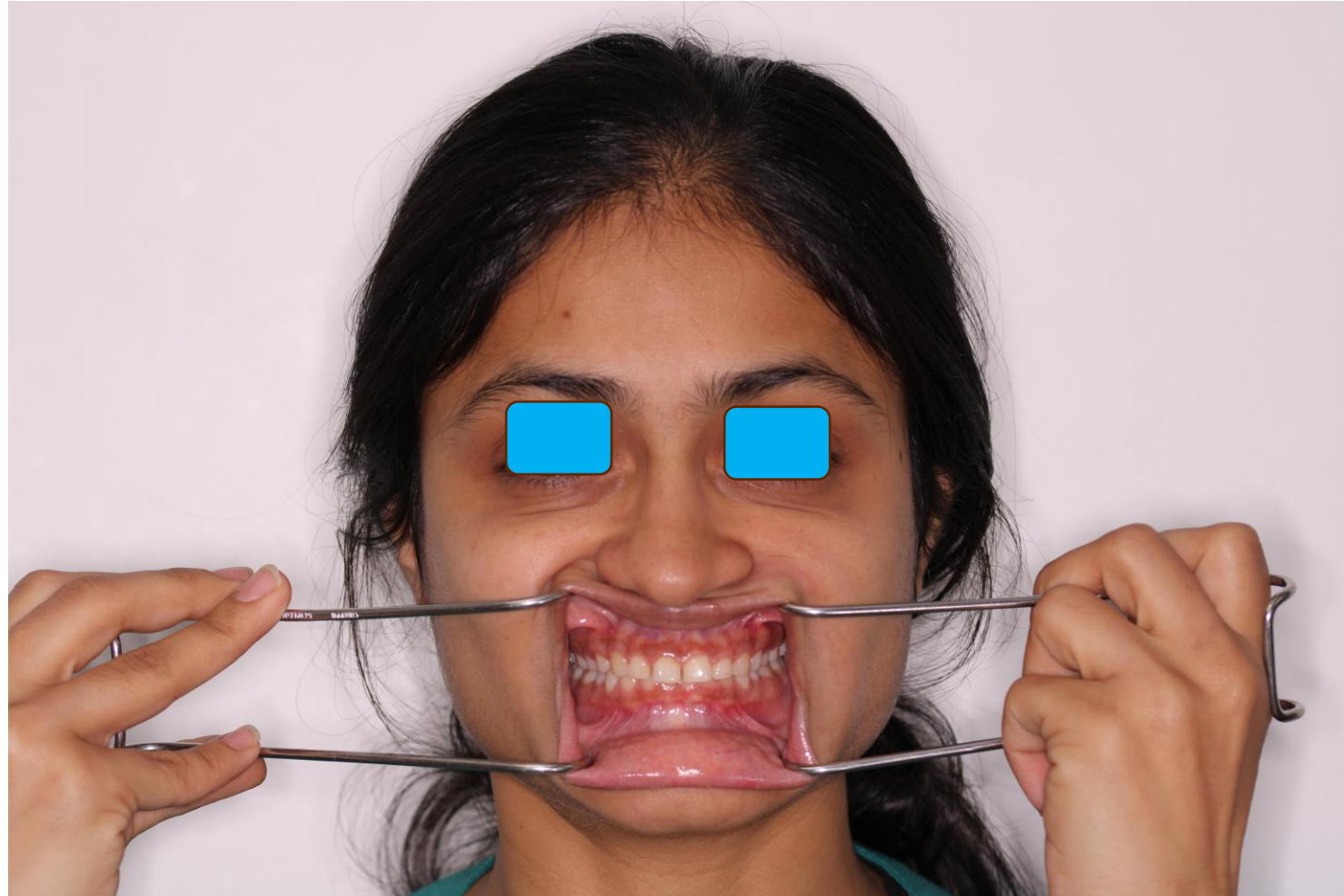
---





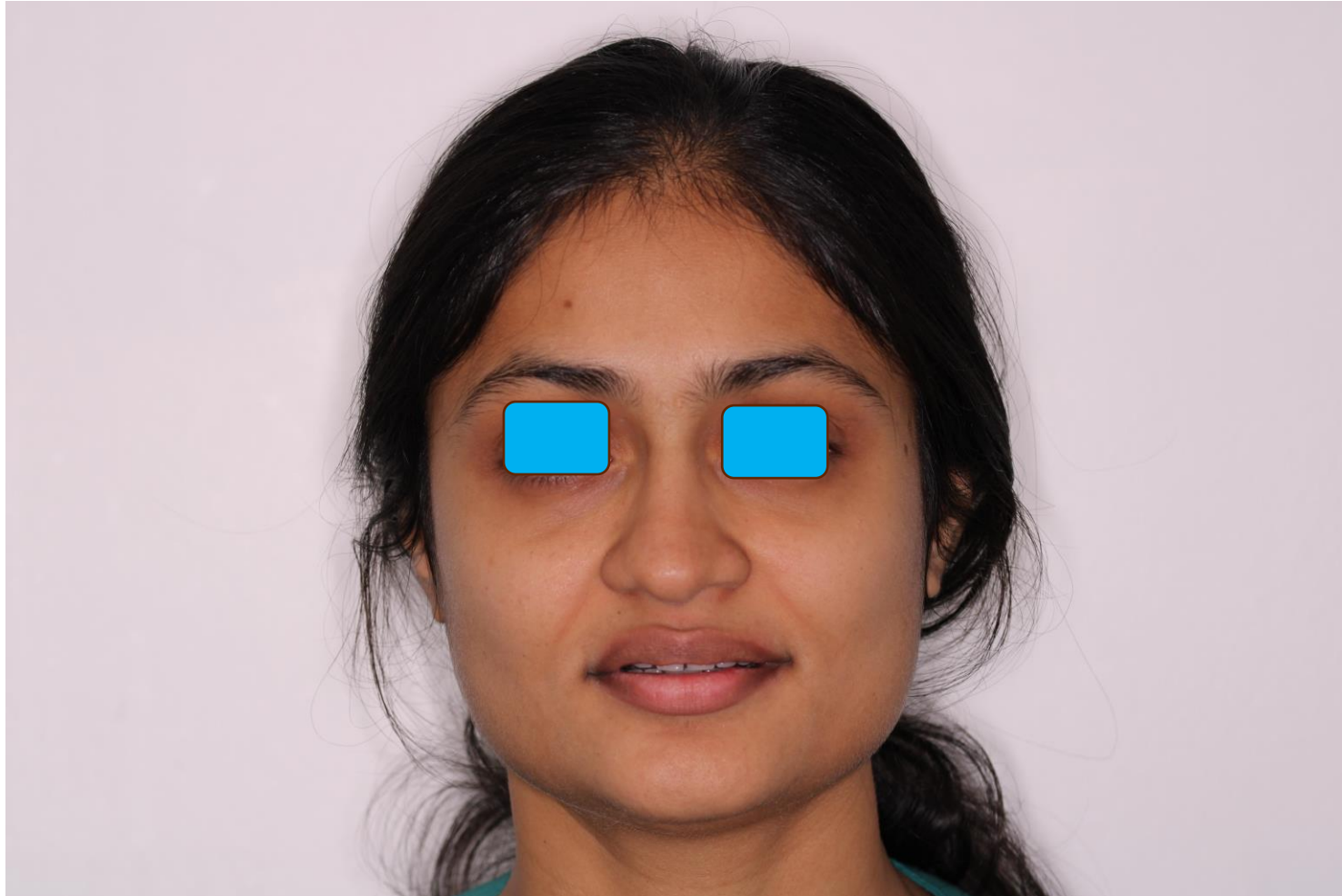
# ***Medit:*** Import Images. Portrait. Retracted

---

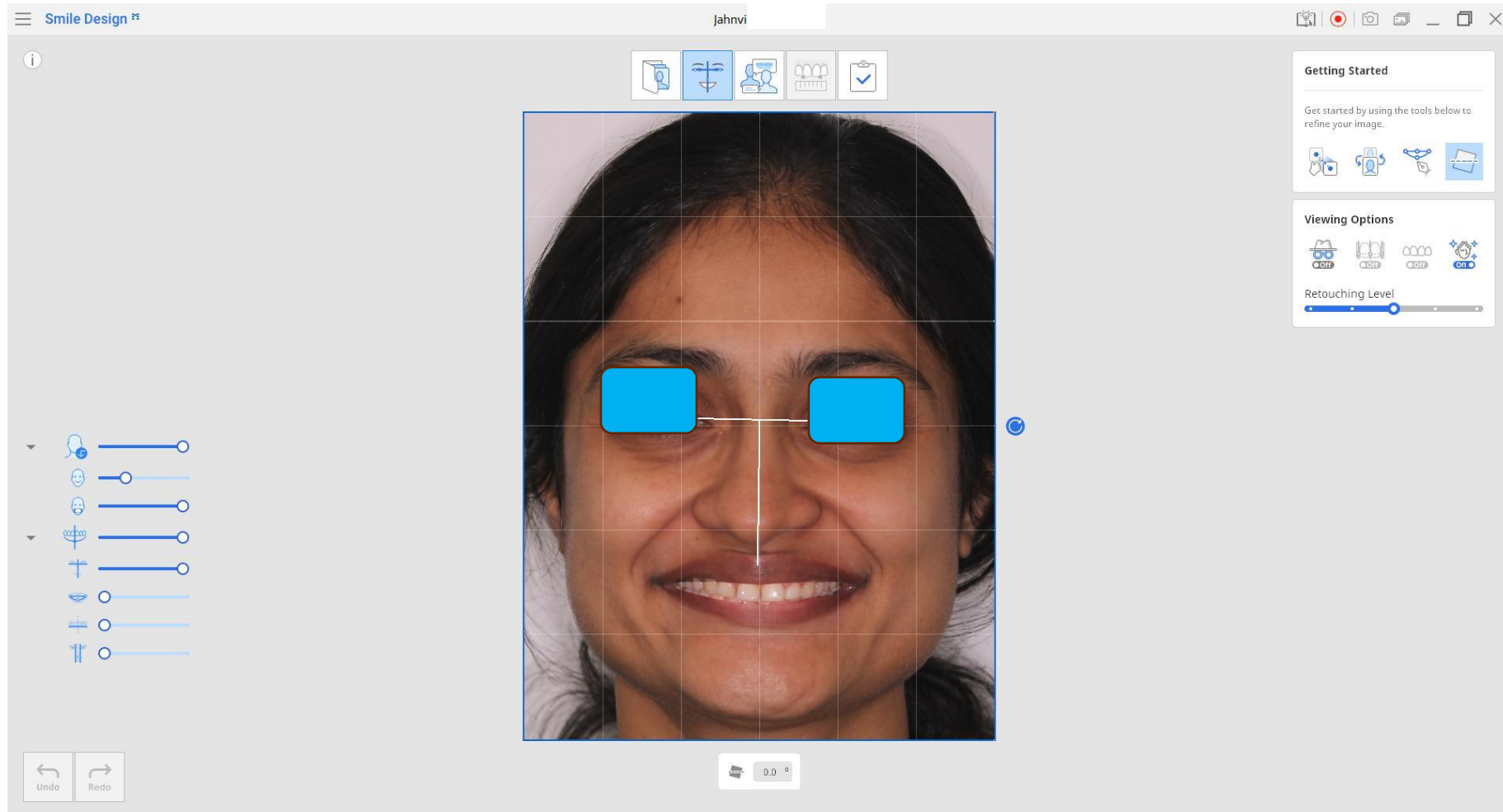


# ***Medit:*** Import Images. Portrait. (Lips at Rest)

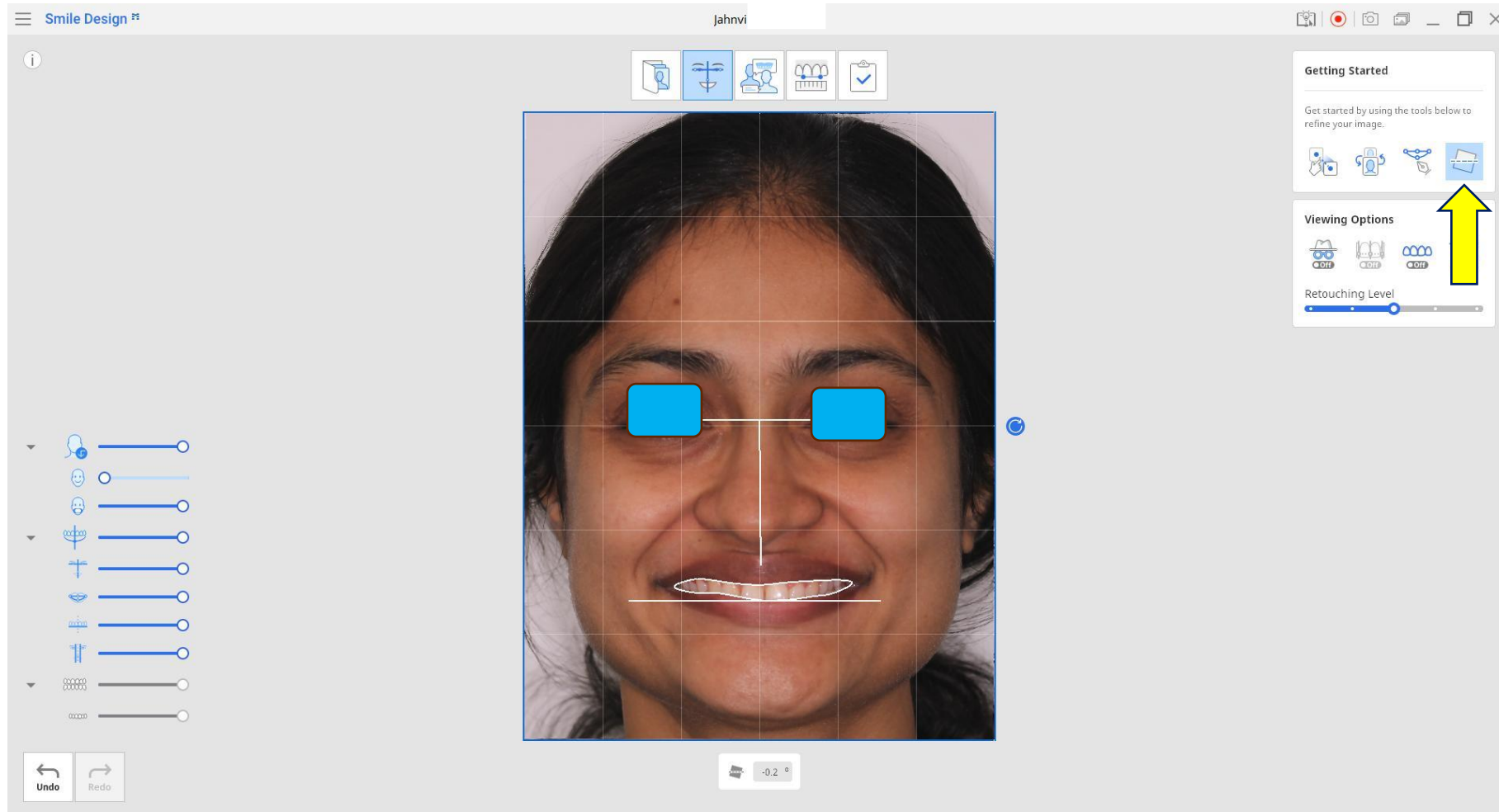
---



# *Medit*: Align

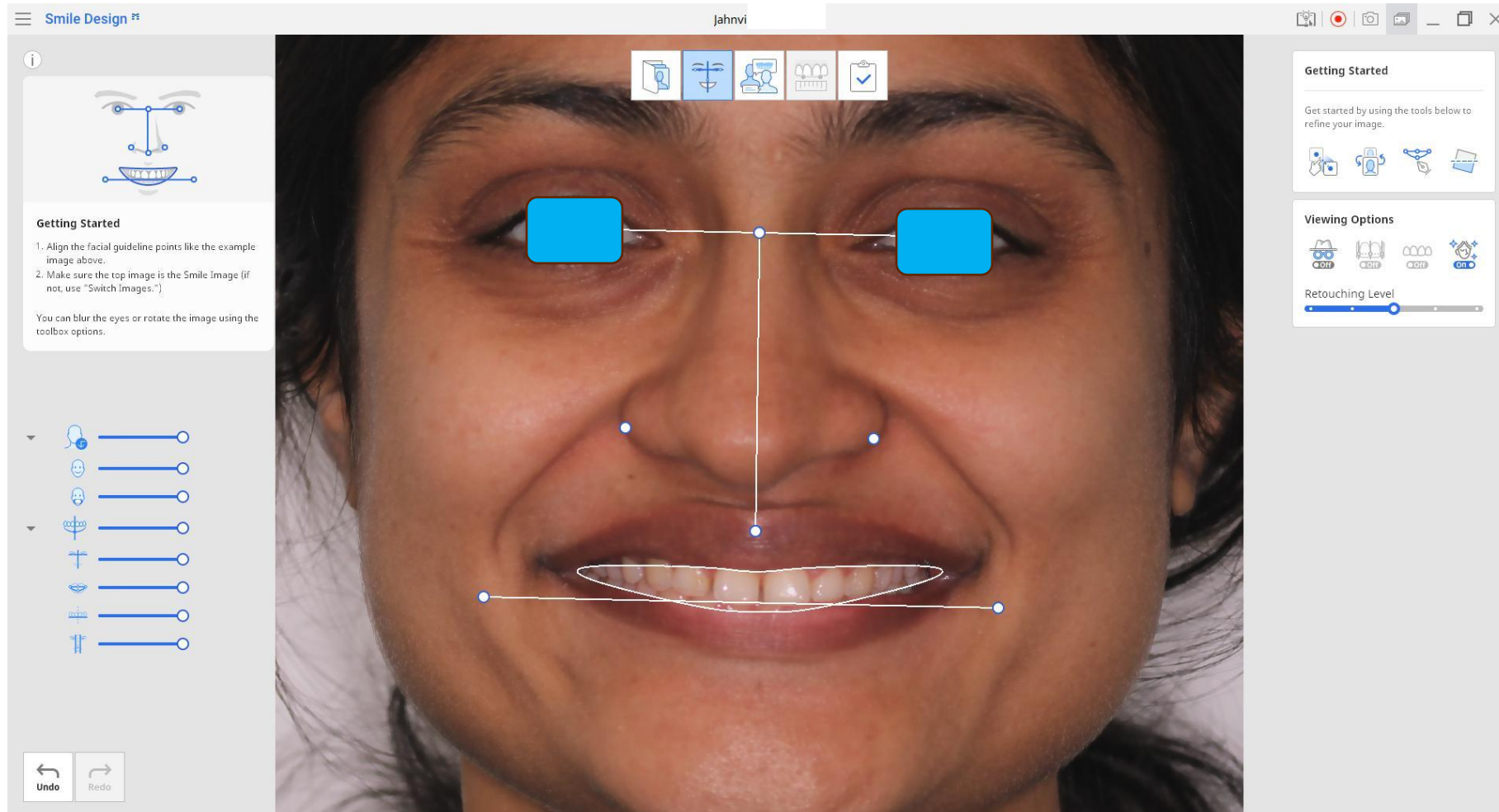


# ***Medit:*** Rotate PRN (subtle and important!)





# ***Medit:*** Align Pupils, Alae, Midline, Smile Outline, Incisal Edge

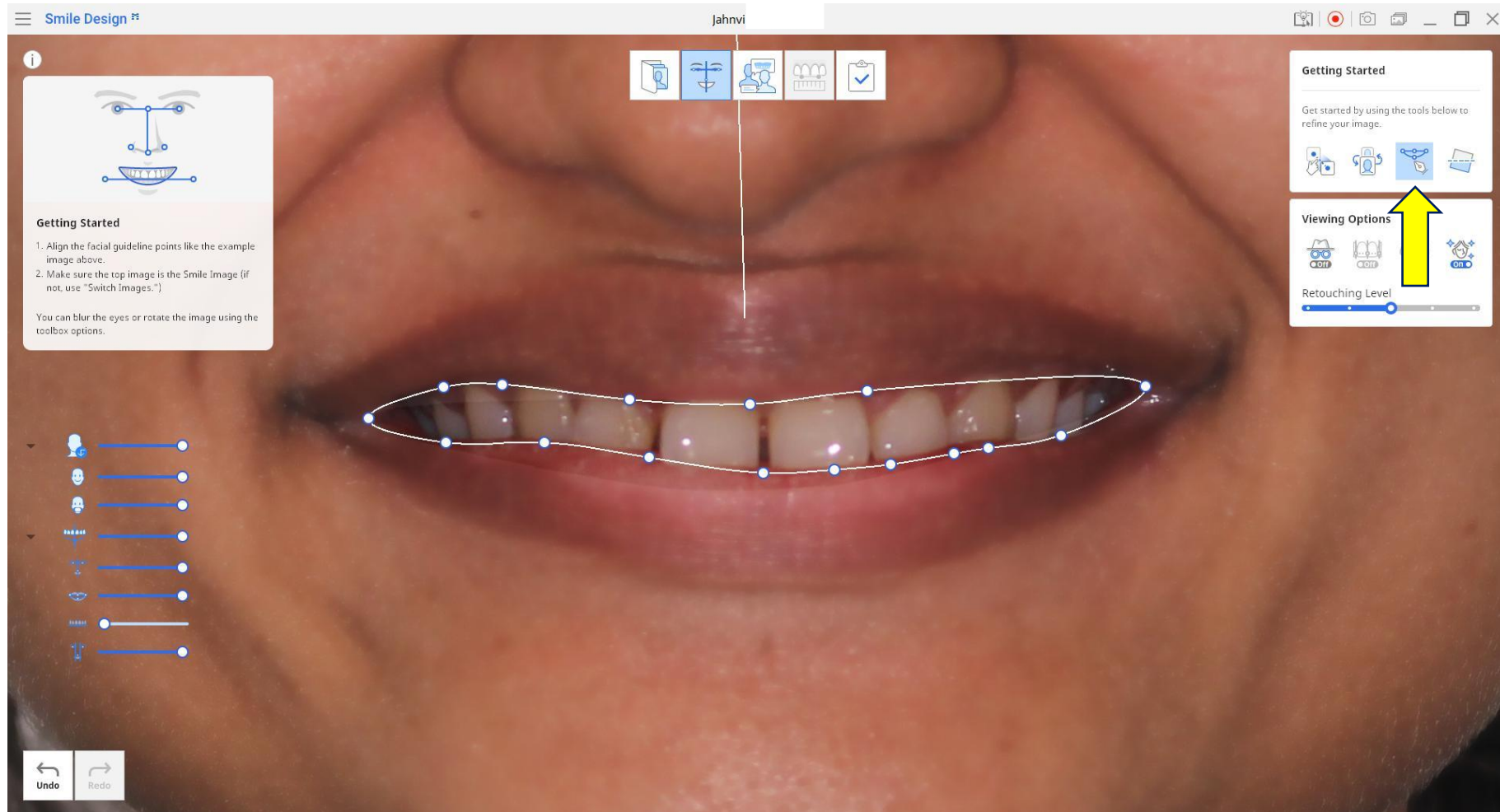




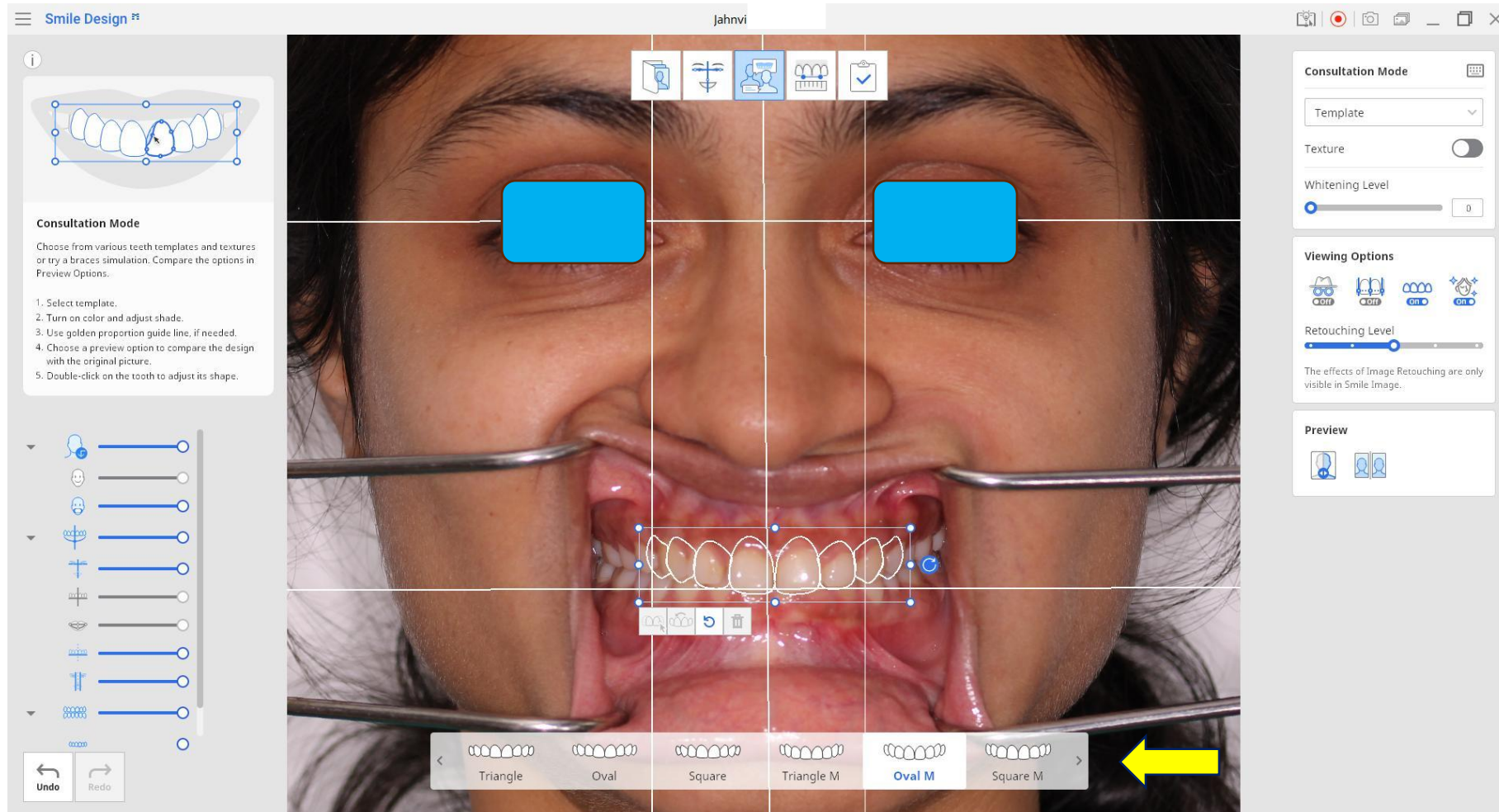
# ***Medit:*** Manual Align PRN



# ***Medit:*** Modify Lipline PRN

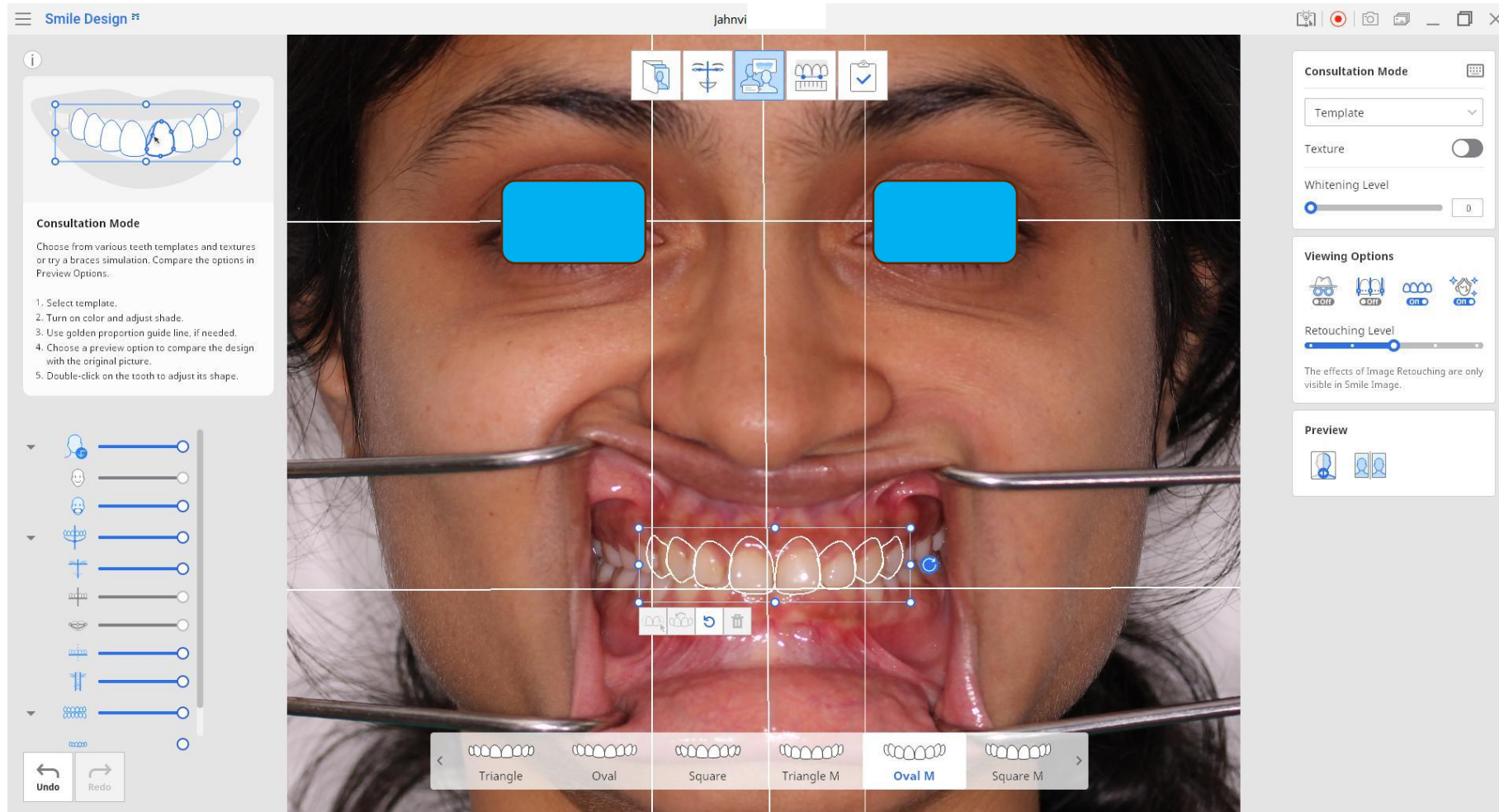


# ***Medit:*** Change Template PRN

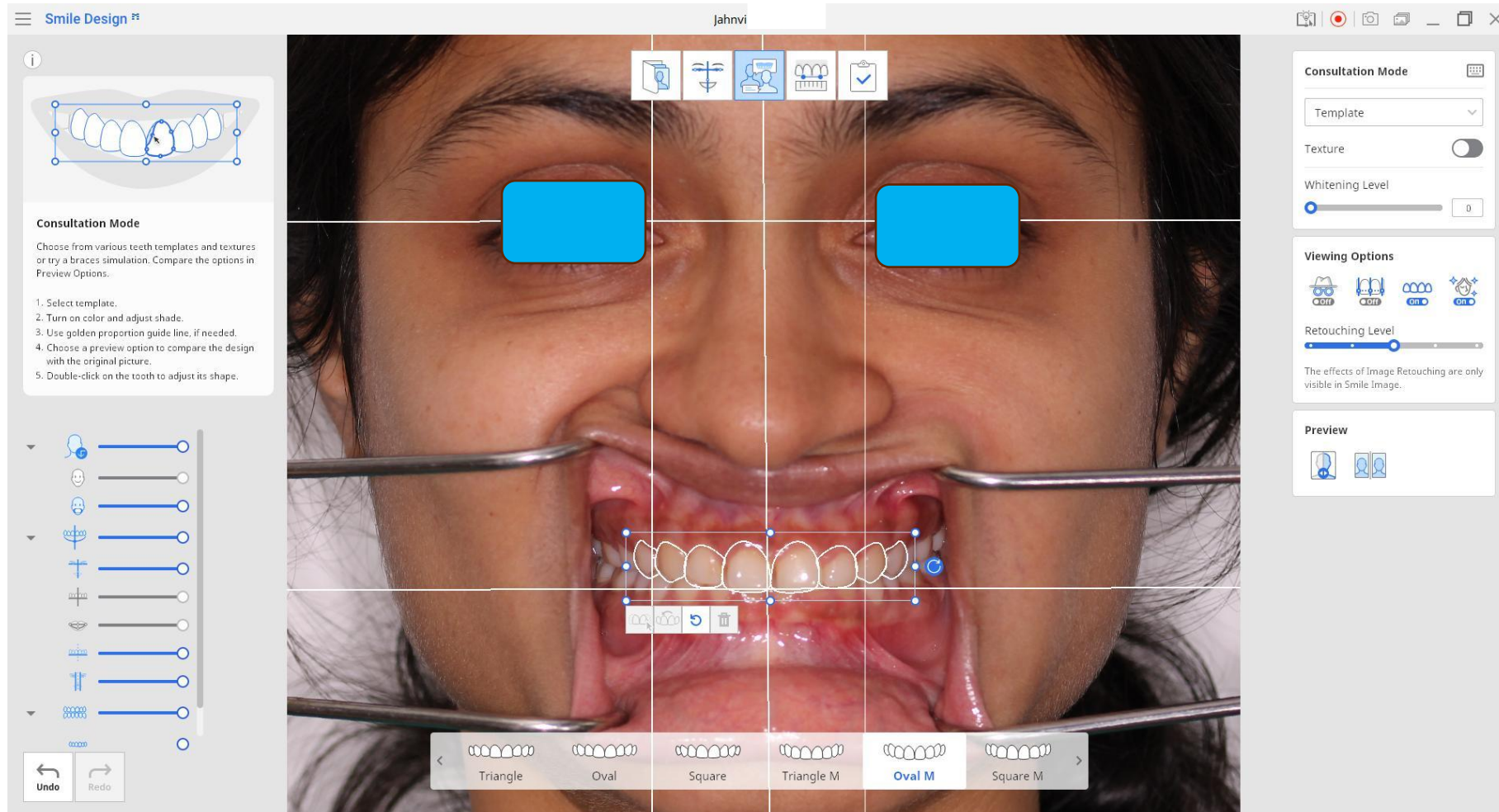




# ***Medit:*** Click and Drag to Draw 5-11 Box

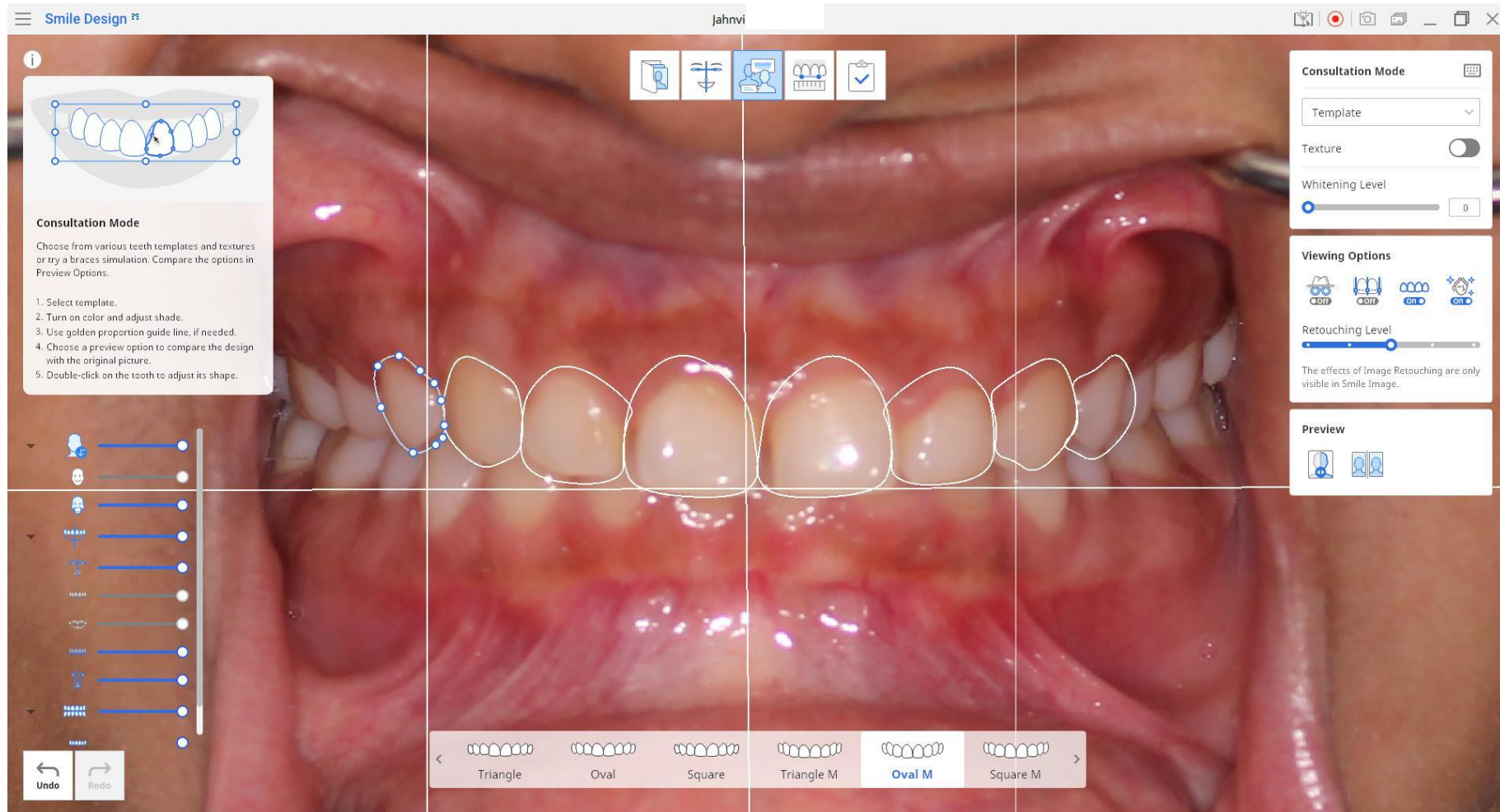


# *Medit:* Macro-Movements First



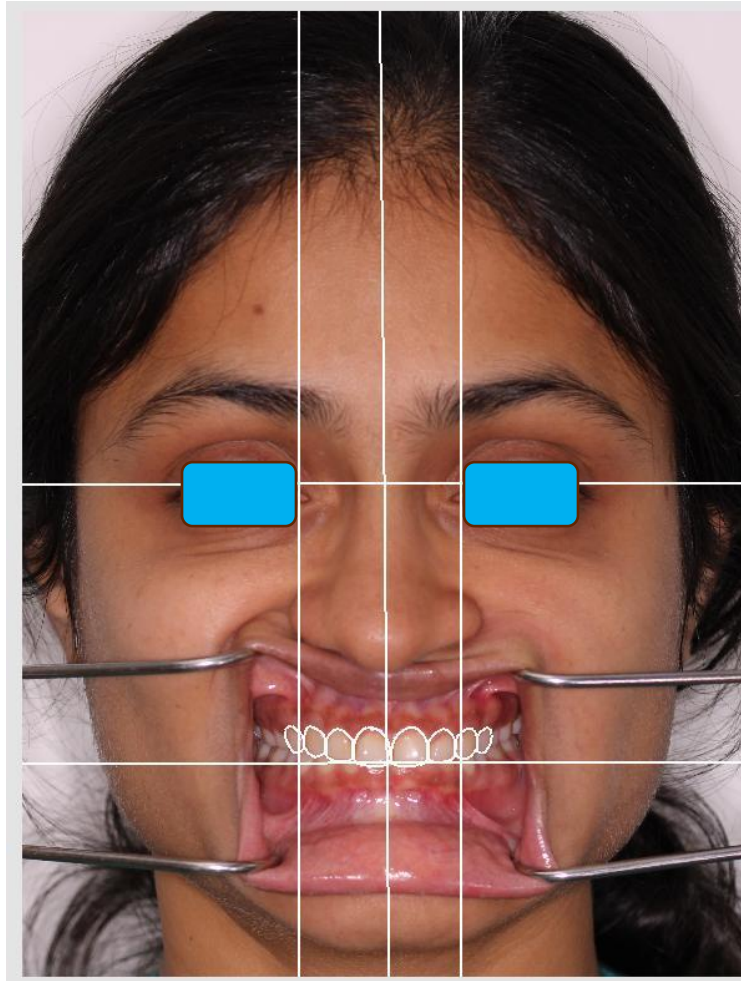


# *Medit:* Smaller Movements Second



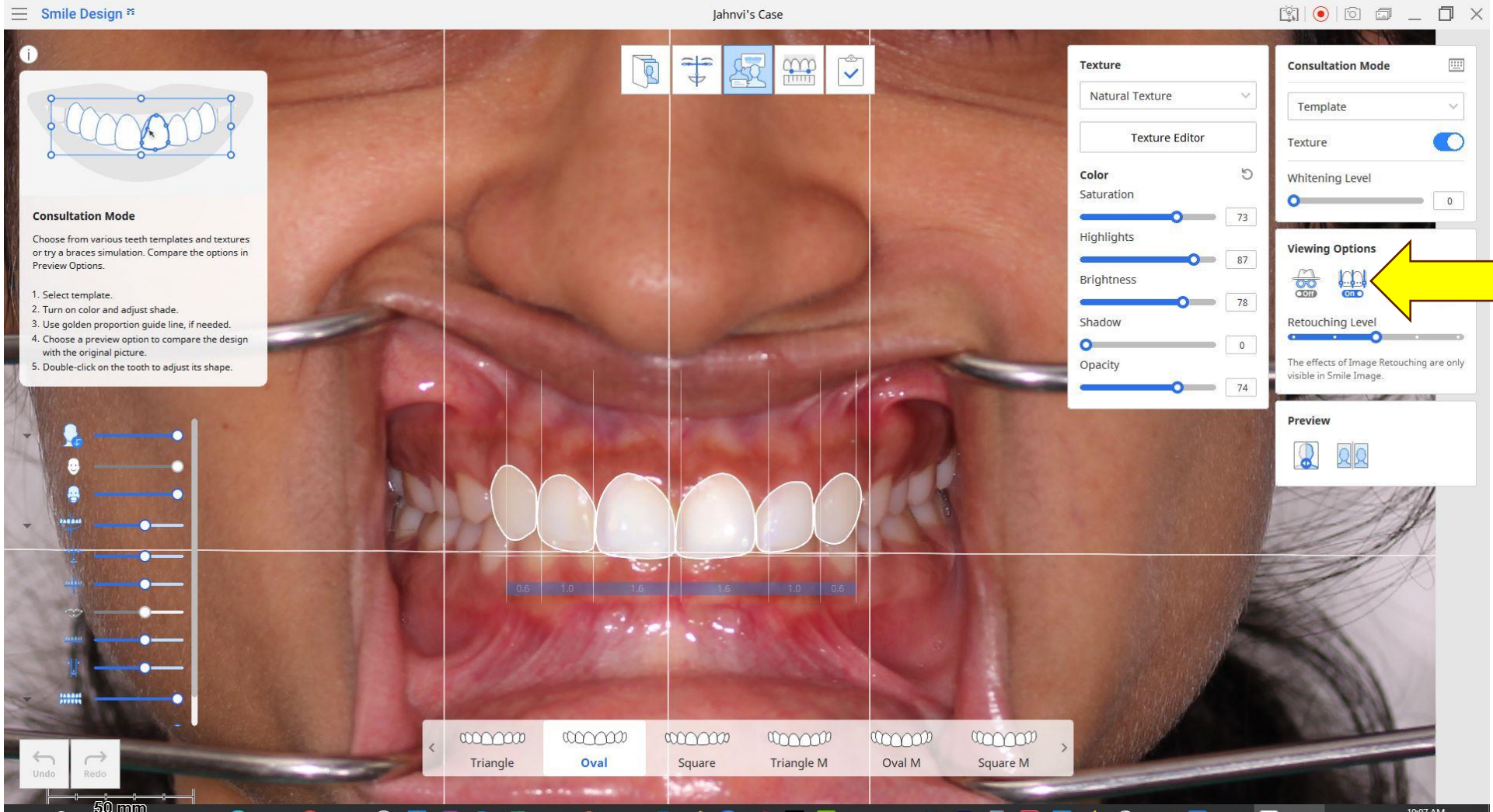
# ***Medit:*** Grid and Template View

---





# *Medit:* Golden Proportions View



# Golden Proportions (Literature)

---

"The **Golden Ratio** uses a mathematical formula to define a proportional and harmonic relationship between the maxillary anterior teeth and is expressed by the irrational number **1.618**."

e.g. Width of Lateral/Central=

5.2mm/8.4mm=

1.6

Determining the widths of the maxillary anterior teeth for esthetics:  
Comparison of the Mondelli and Albers formulas, esthetic proportion,  
and golden ratio.

Garrido, Magalhaes, Mamani, and Mondelli.

*General Dentistry*, May/June 2024, Pgs. 26-32

# Golden Proportions (Literature)

---

The **Golden Ratio** can be utilized by "checking if the **height and width** of the maxillary lateral incisors and canines are in the correct ratio and are proportional to the central incisors."

Determining the widths of the maxillary anterior teeth for esthetics:  
Comparison of the Mondelli and Albers formulas, esthetic proportion, and golden ratio.

Garrido, Magalhaes, Mamani, and Mondelli.

*General Dentistry*, May/June 2024, Pgs. 26-32



# Golden Proportions (Literature)

The **Golden Ratio** can be utilized by "checking if the **height and width** of the maxillary lateral incisors and canines are in the correct ratio and are proportional to the central incisors."

**Table 2:** Mean width and height of 50 participants

TOOTH	Width, mm	Height, mm	Esthetic Proportions=W/H
Central	7.99	9.53	83.55
Lateral	6.07	7.96	77.00
Canine	7.18	9.01	80.40

Garrido, Magalhaes, Mamani, and Mondelli.

*General Dentistry*, May/June 2024, Pgs. 26-32

# Golden Proportions (Literature)

---

"The formulas and the proportions available in the literature can assist in esthetic planning, but the individual characteristics of each patient and expertise of the dentist should guide treatment for each case."

"..making correlation between function and esthetics an important consideration..."

Determining the widths of the maxillary anterior teeth for esthetics: Comparison of the Mondelli and Albers formulas, esthetic proportion, and golden ratio.

Garrido, Magalhaes, Mamani, and Mondelli.  
*General Dentistry*, May/June 2024, Pgs. 26-32

# Golden Proportions (Literature)

---

"...rather than relying on a single, fixed ratio of 78% to 80% suggested by researchers for anterior teeth, the clinician should adopt different crown width-height ratios to restore teeth with the optimum aesthetic outcome."

An Analysis of Maxillary Anterior Teeth Crown Width-Height Ratios: A Photographic, Three-Dimensional, and Standardized Plaster Models Study.

Ahmed N, Halim MS, Aslam A, Ghani ZA, Safdar J, Alam MK

*Biomed Rest Int.* 2022 Feb 7; 2022:4695193

# Golden Proportions (Literature)

---

**MIDR** = Maxillary Incisal Display at Rest

"Incisal display at rest was generally greater in females than males."

"The maxillary incisor display at rest: analysis of the underlying components"

Jeelani W, Fida M, Shaikh A.

*Dental Press J Orthod.* 2018 Nov-Dec; 23(6):48-55

# *Medit:* Calibrate. Software or Caliper Measurement

---

inLab Measurement. Distance Tool



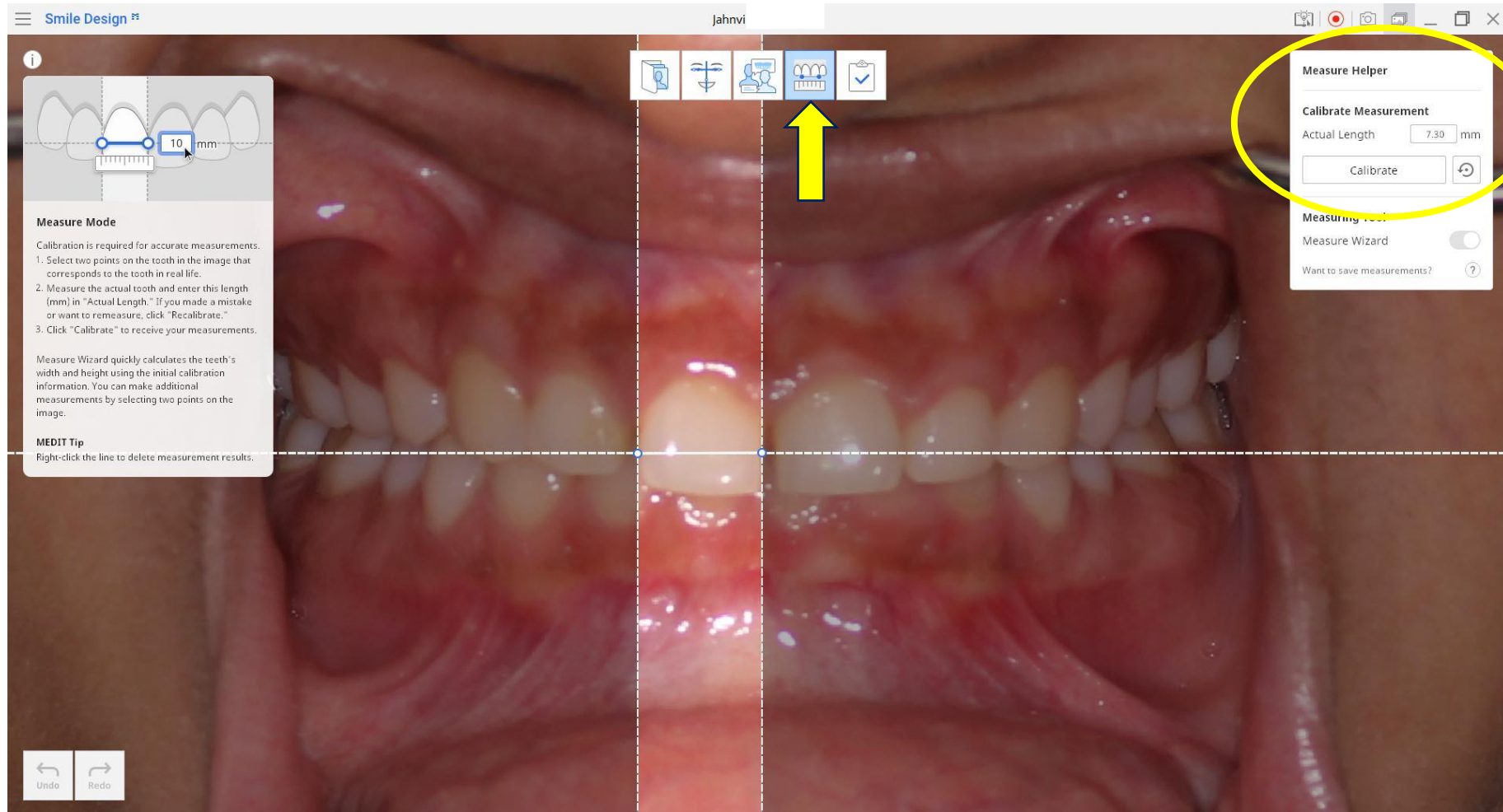
Harbor Freight Digital Caliper

<https://www.harborfreight.com/hand-tools/measuring-marking/calipers-micrometer/calipers/6-in-digital-caliper-with-sae-and-metric-fractional-readings-63731.html>

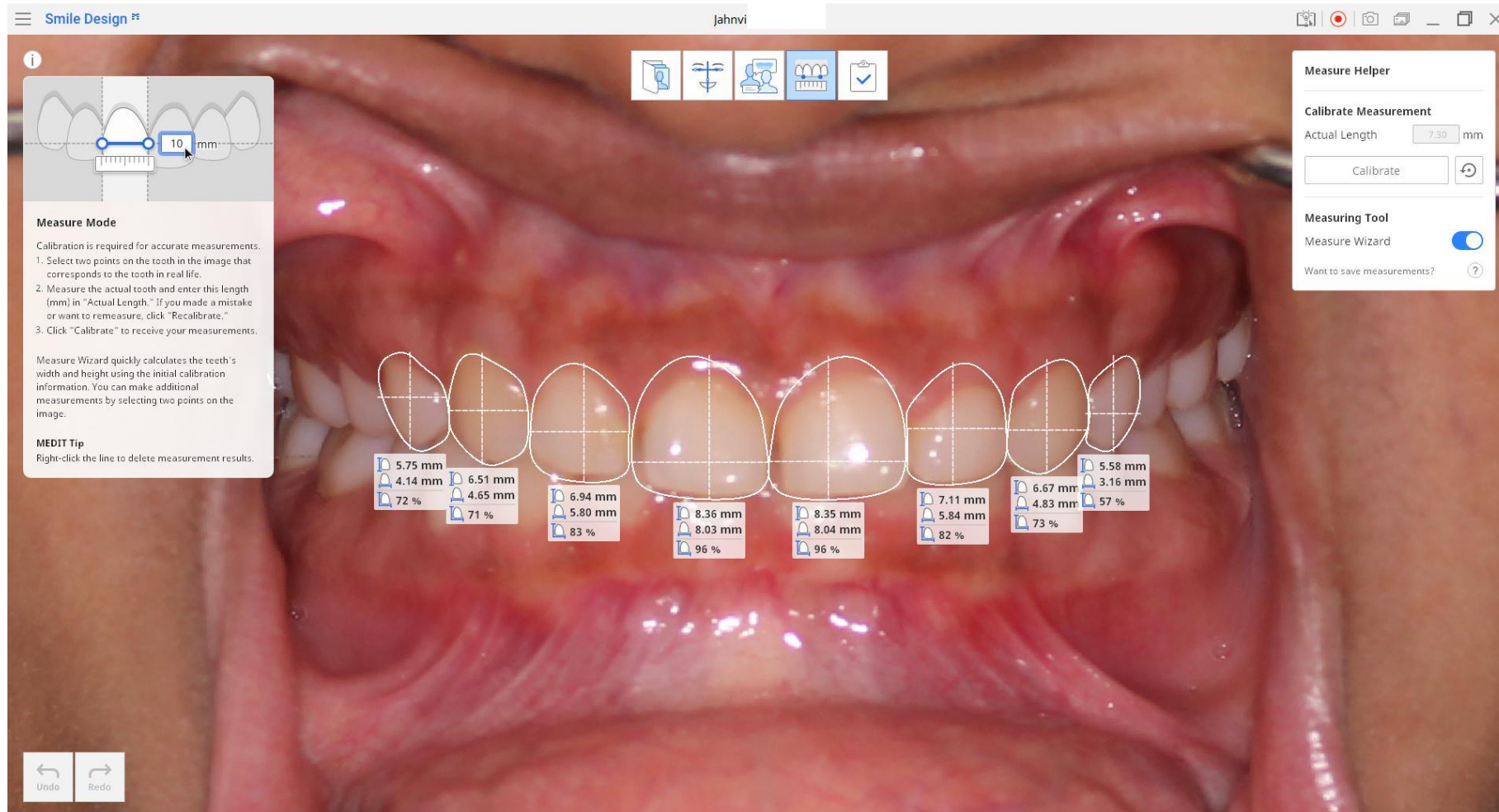




# *Medit:* Calibrate

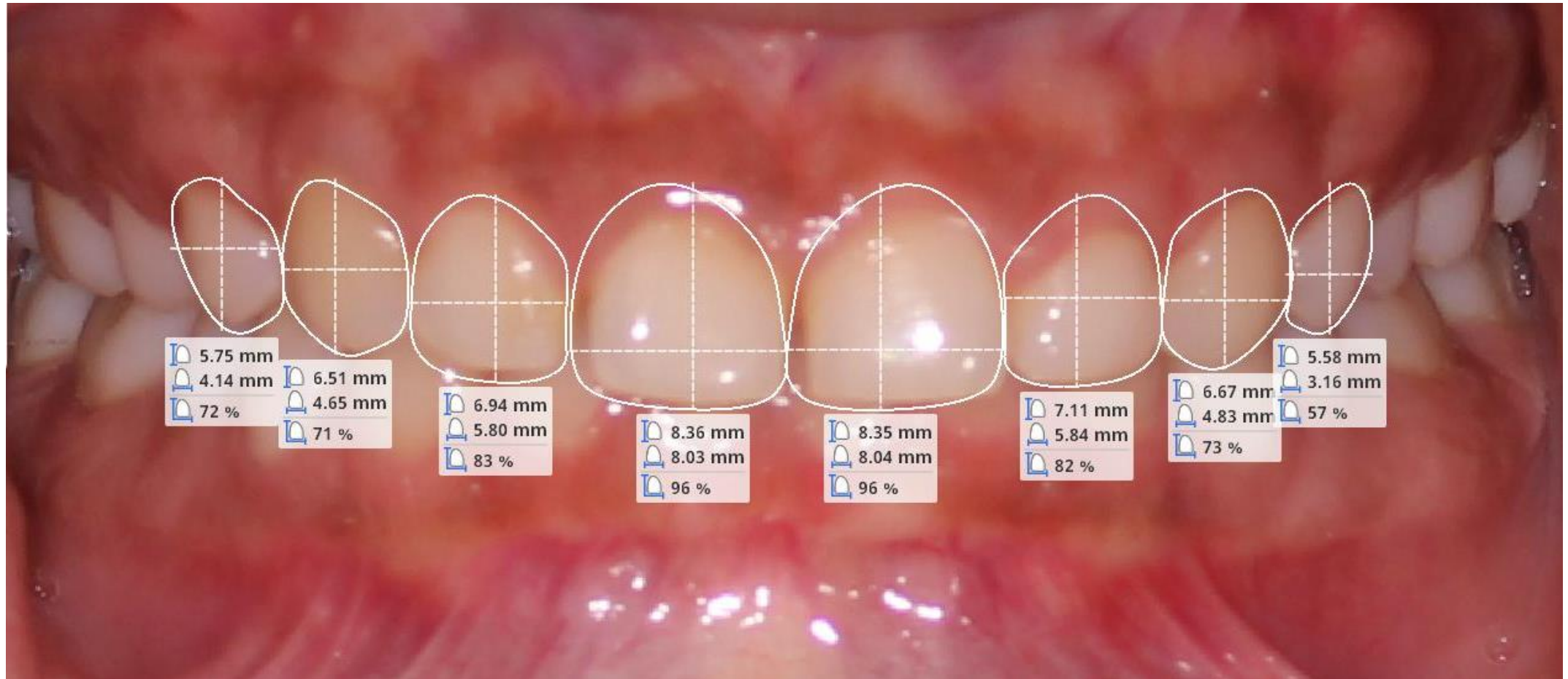


# *Medit:* Measure Mode Calibrated



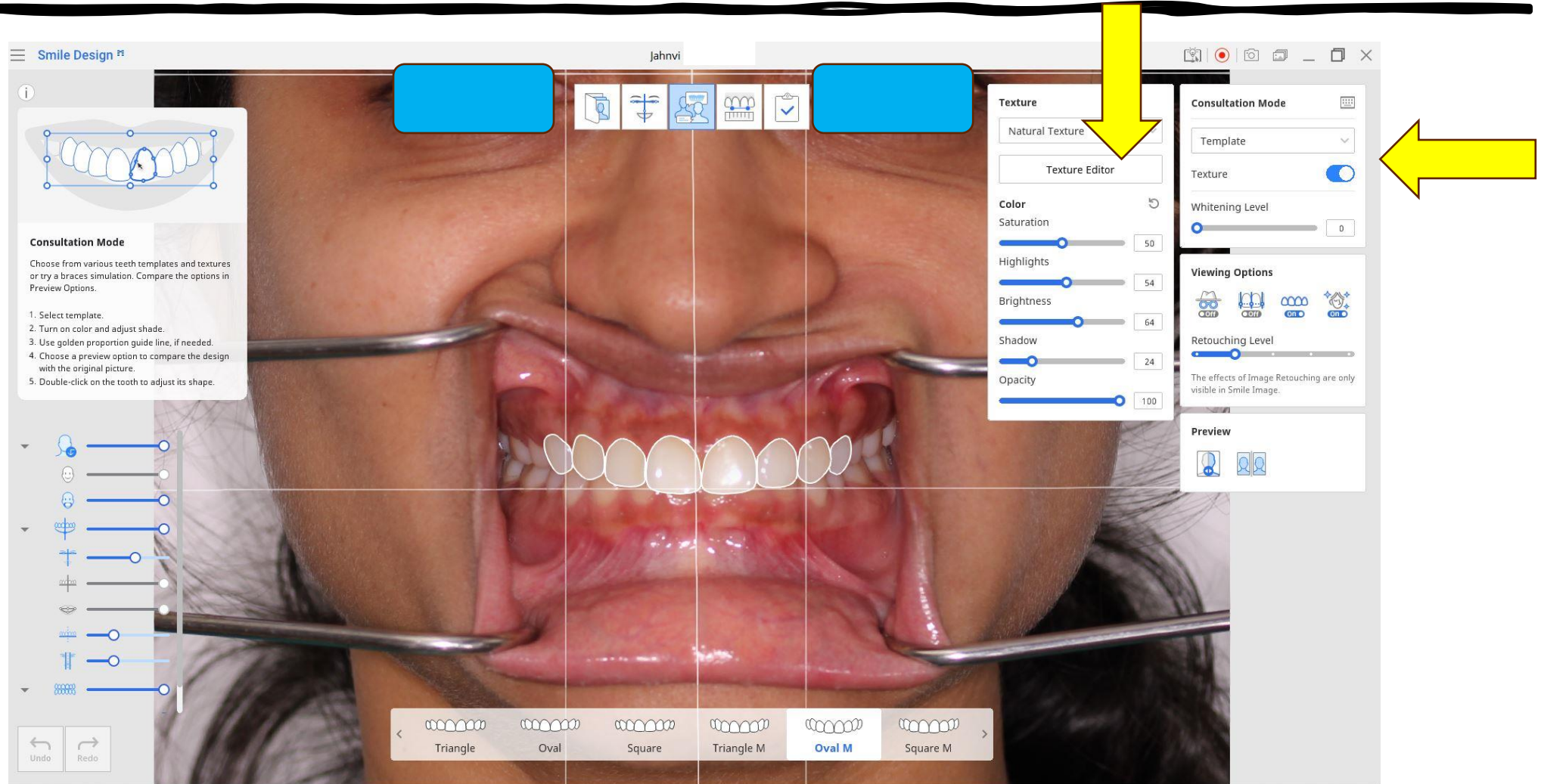
# ***Medit:*** Calibrated ***Money \$hot*** for Lab

---





# *Medit:* Natural Texture. Texture Mode

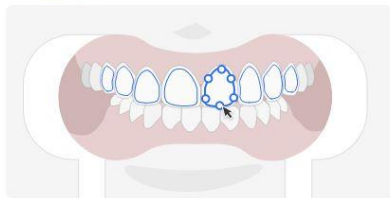


# ***Medit:*** Texture Mode: outline within tooth outline and best color

## Texture Editor

1. Move the points to match the shape of each tooth.
2. After you're done, press "Confirm" to save the results and return to working on the template.

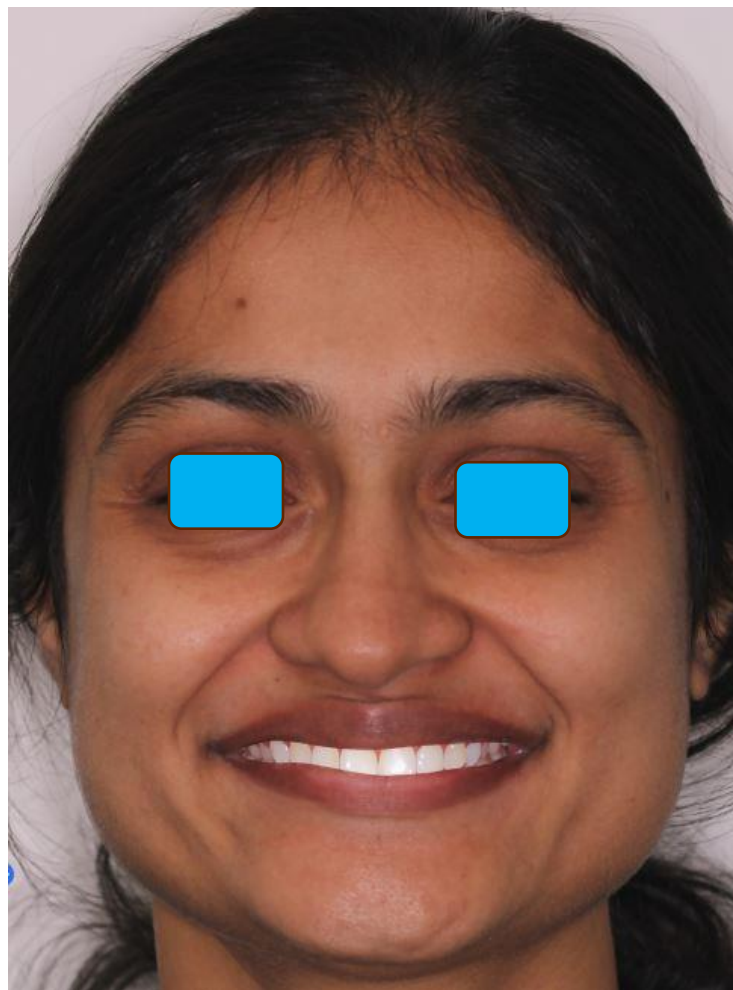
## Tips on Editing



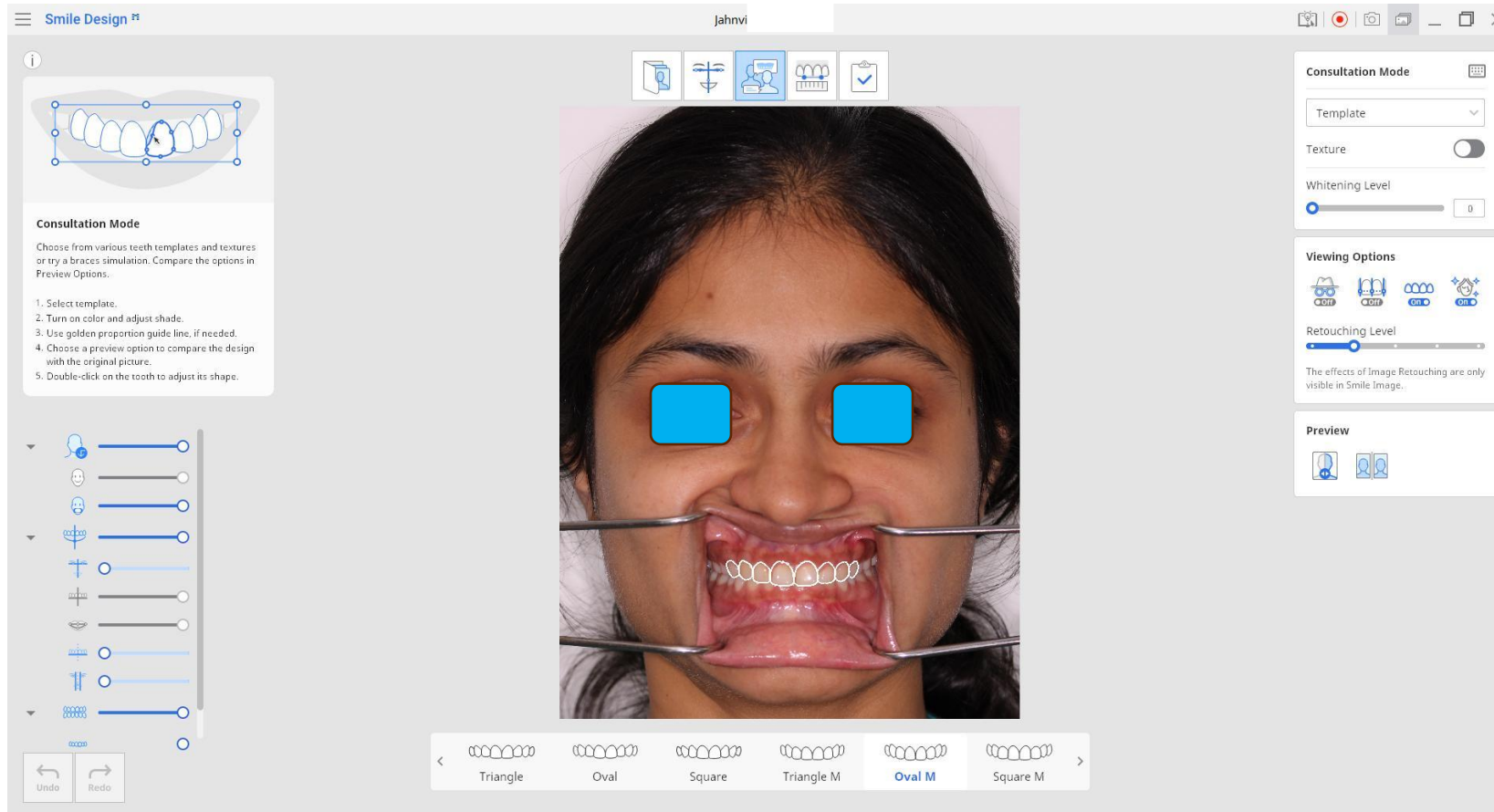


# ***Medit:*** Texture Mode

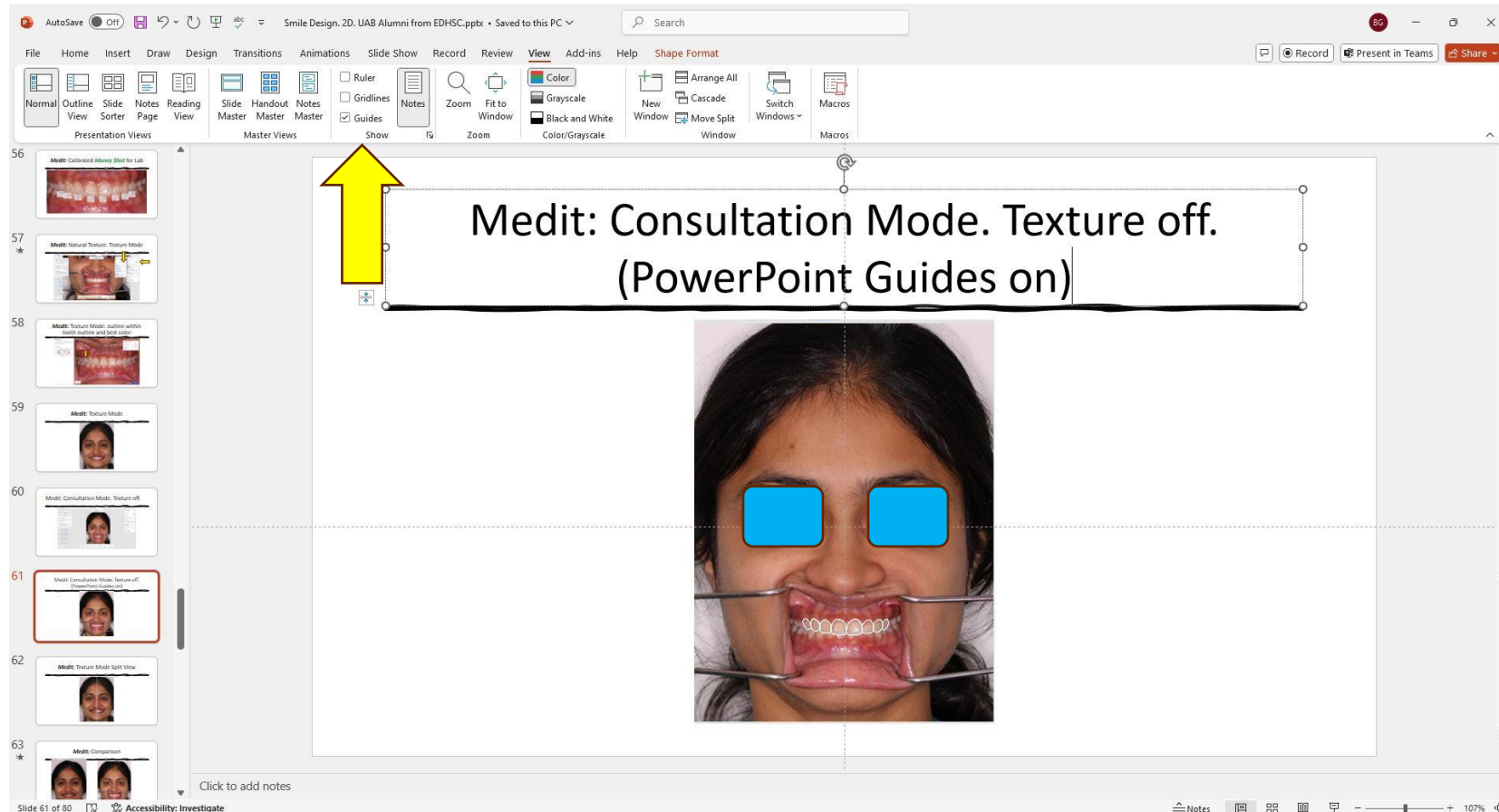
---



# Medit: Consultation Mode. Texture off.

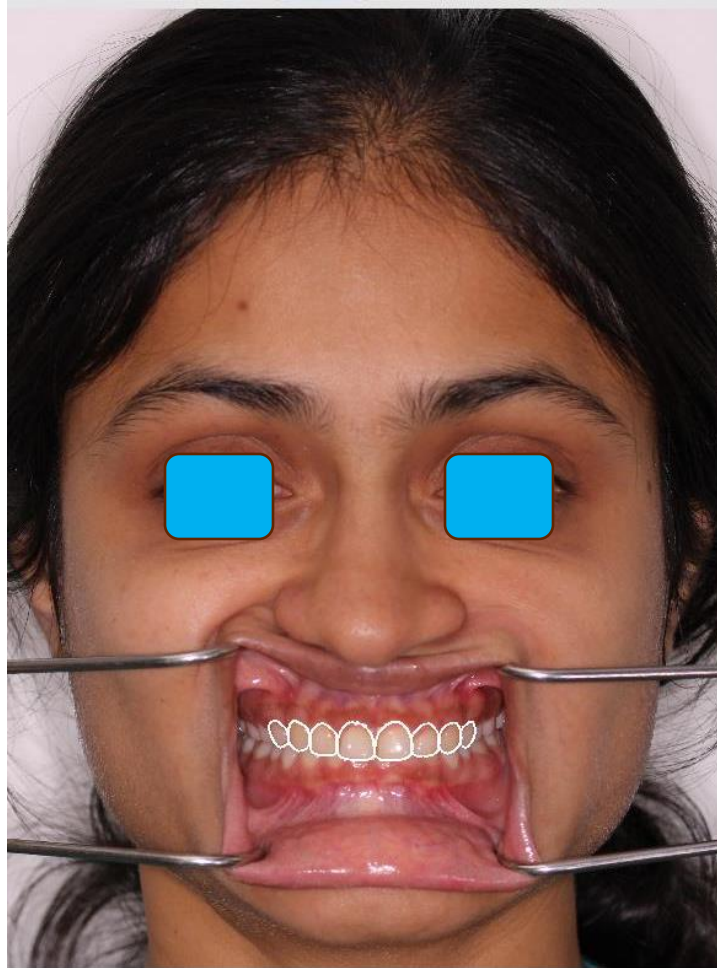


# Medit: Consultation Mode. Texture off. (turn PowerPoint Guides on)



Medit: Consultation Mode. Texture off.  
(View. Guides on)

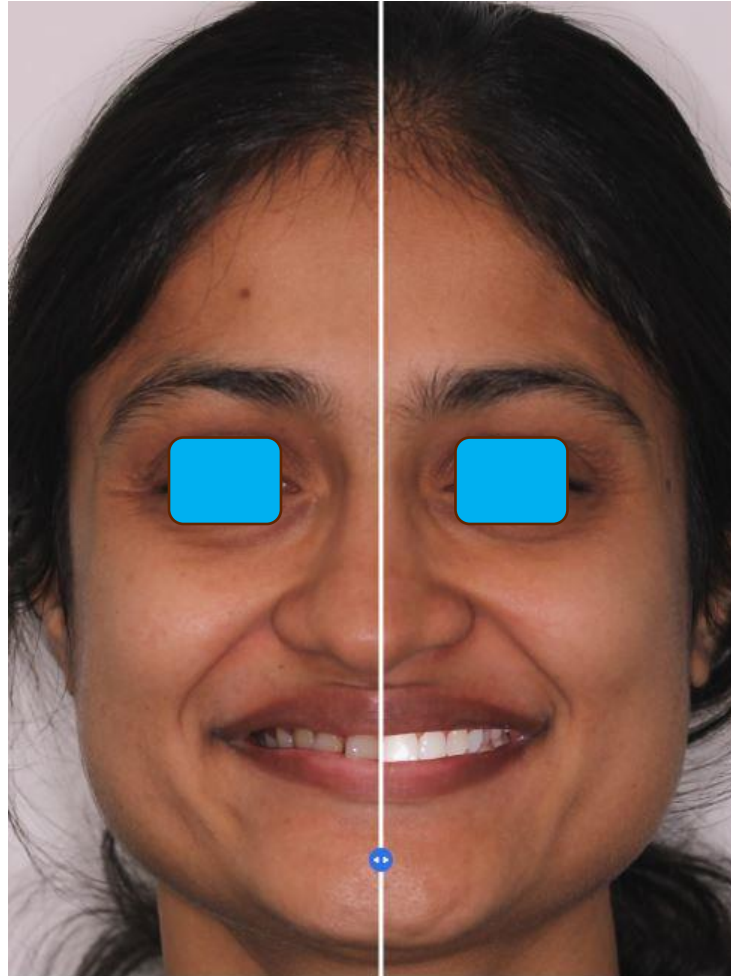
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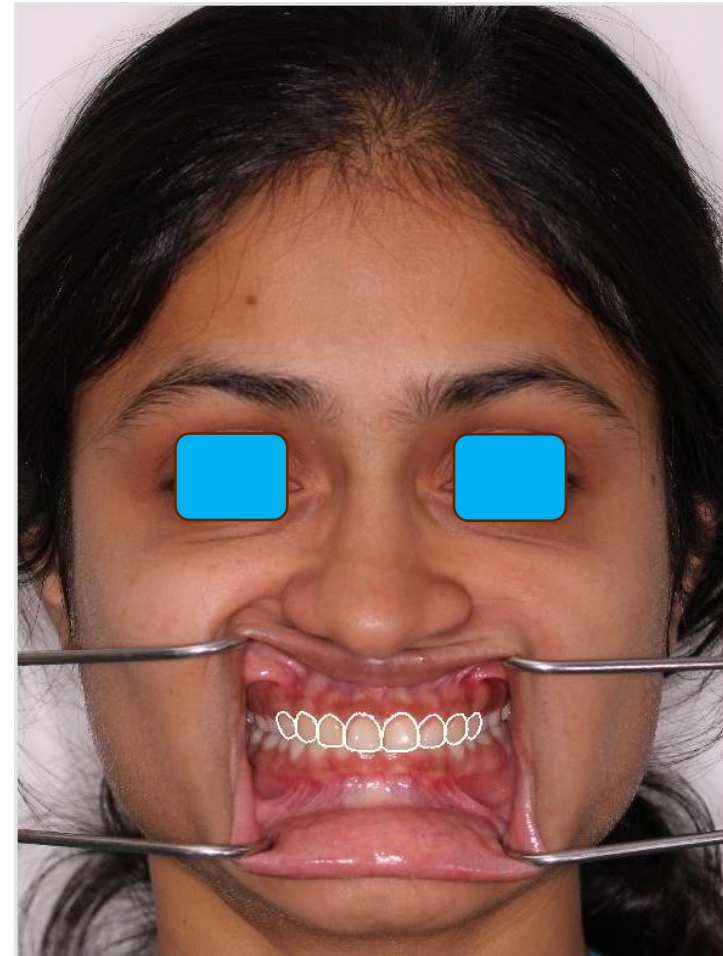
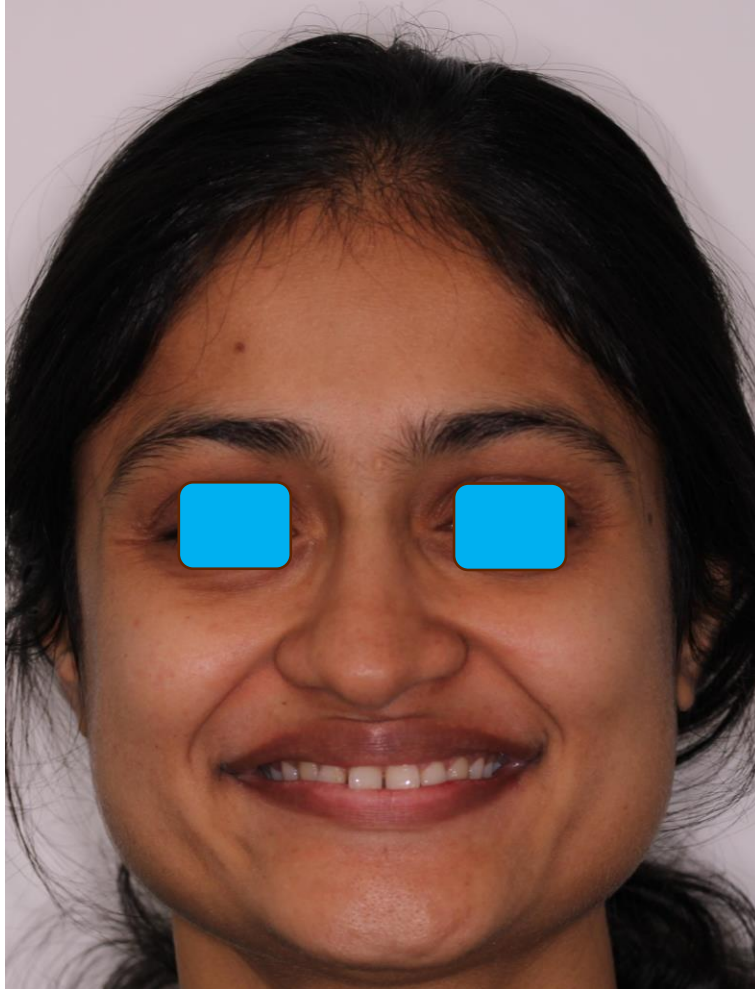
# ***Medit:*** Texture Mode Split View

---



# ***Medit:*** Comparison

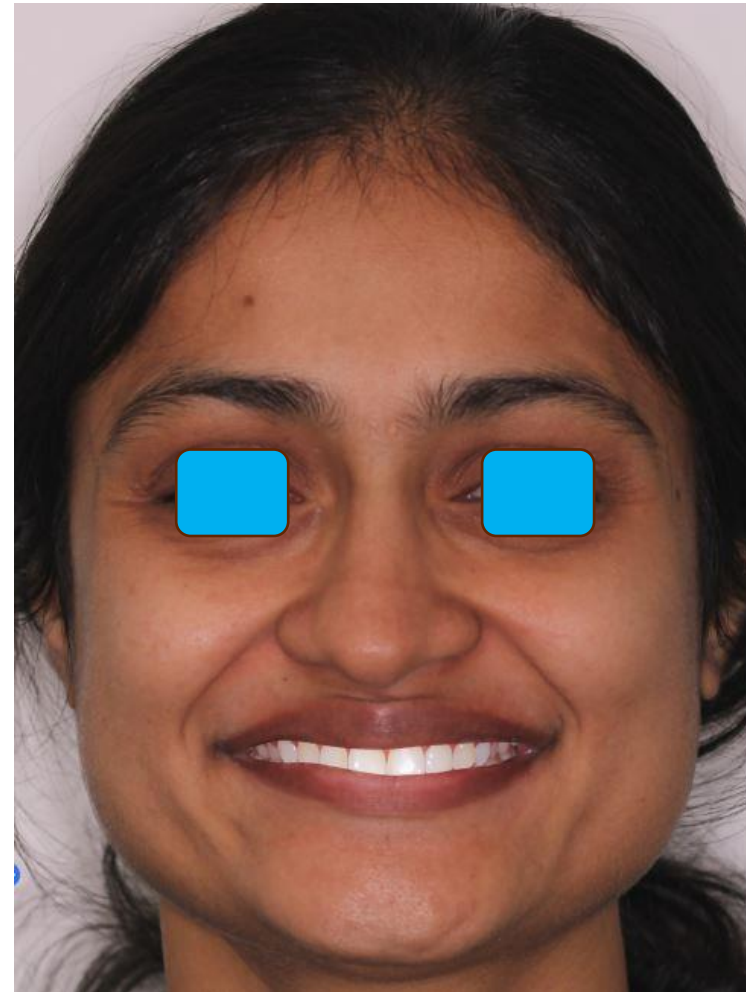
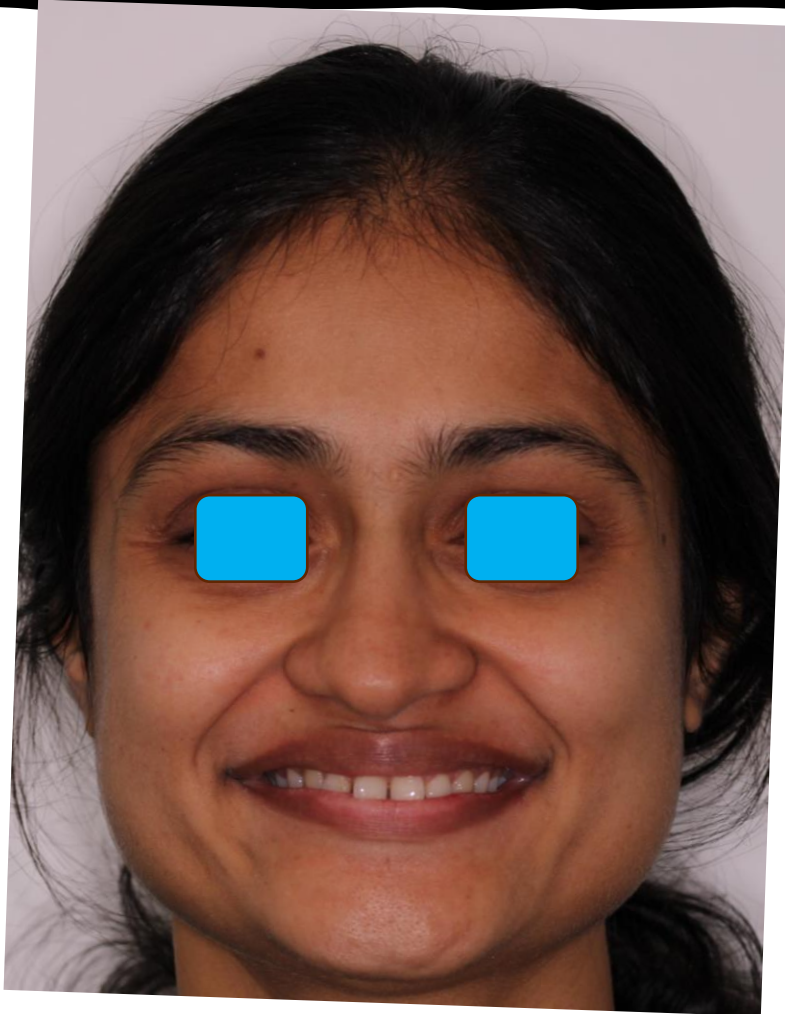
---



# ***Medit:*** Comparison

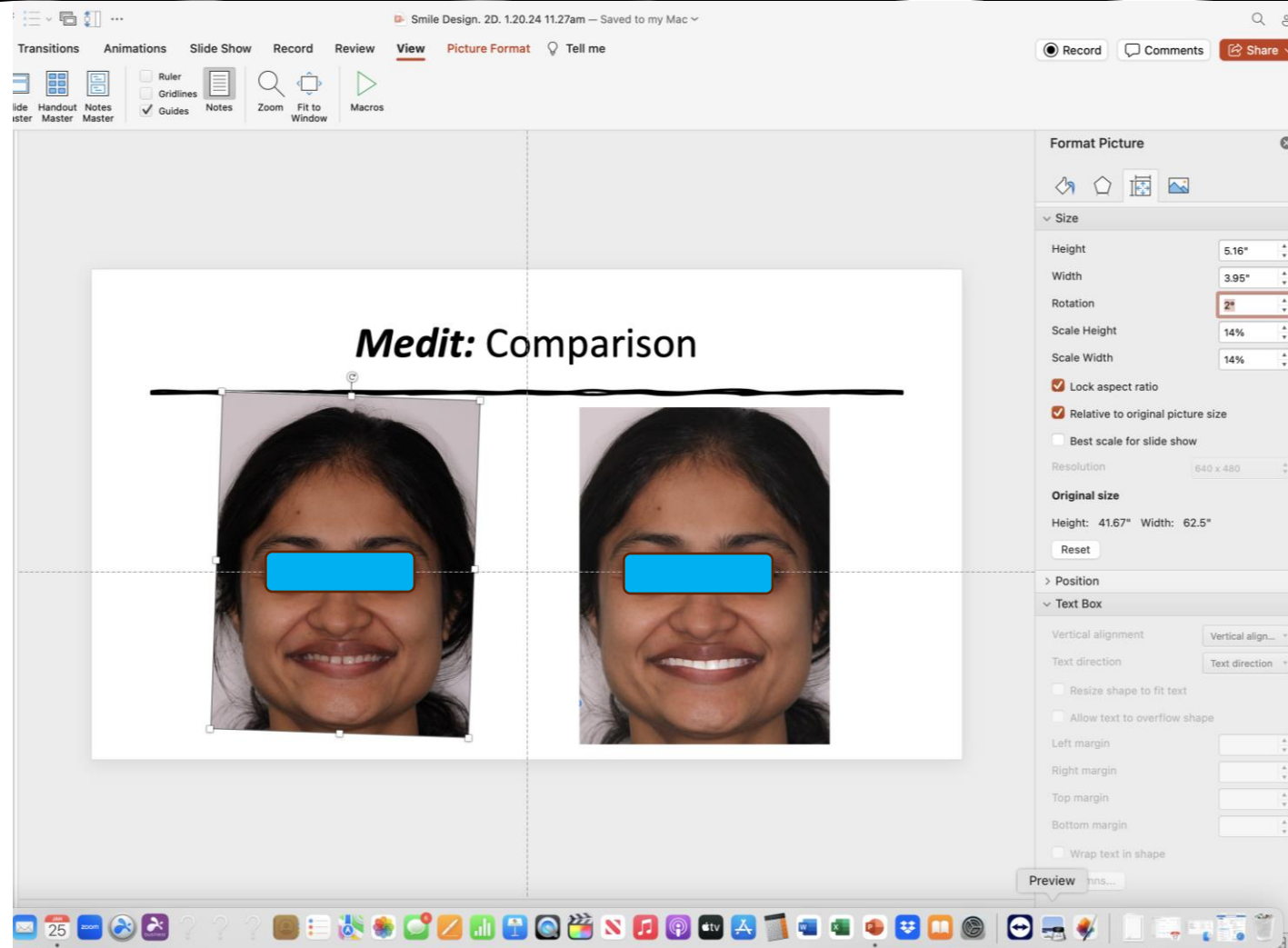
(Pre Op smile rotation corrected)

---

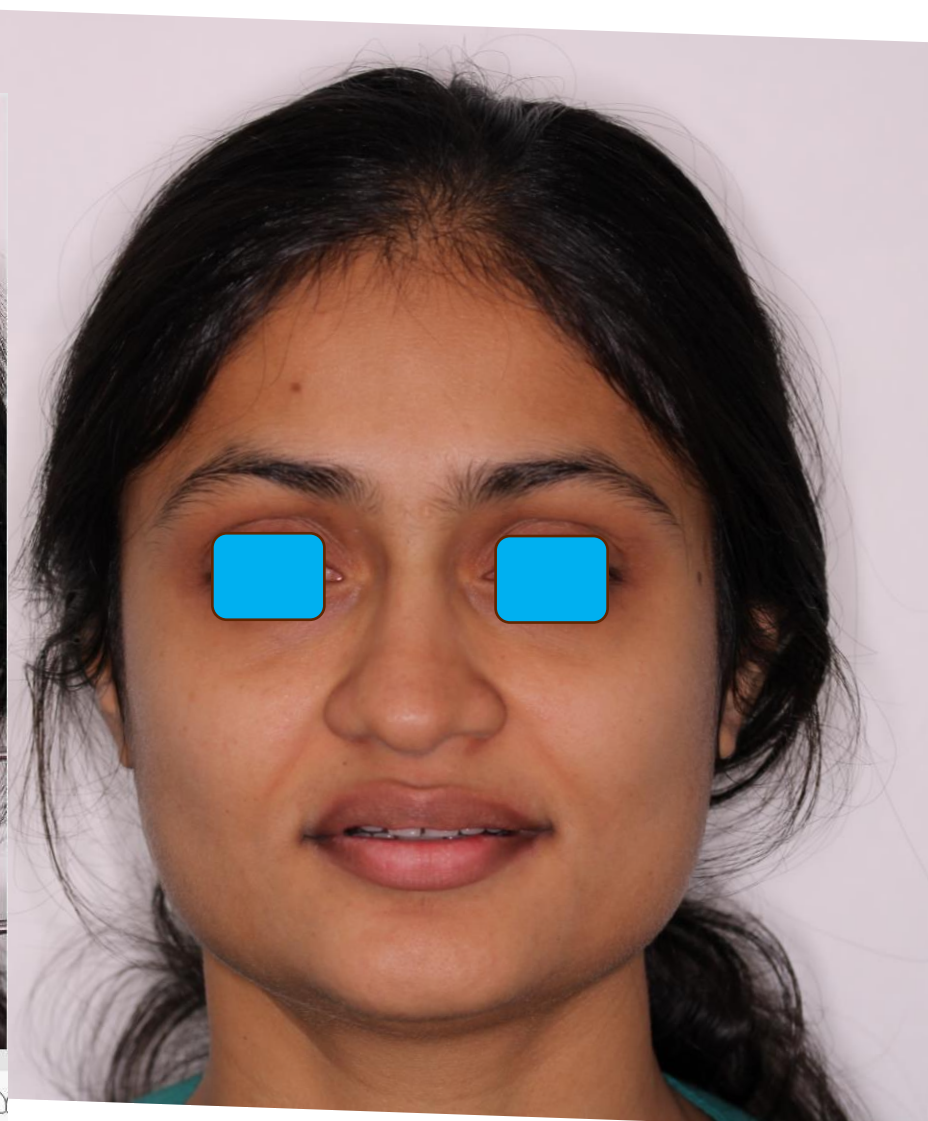
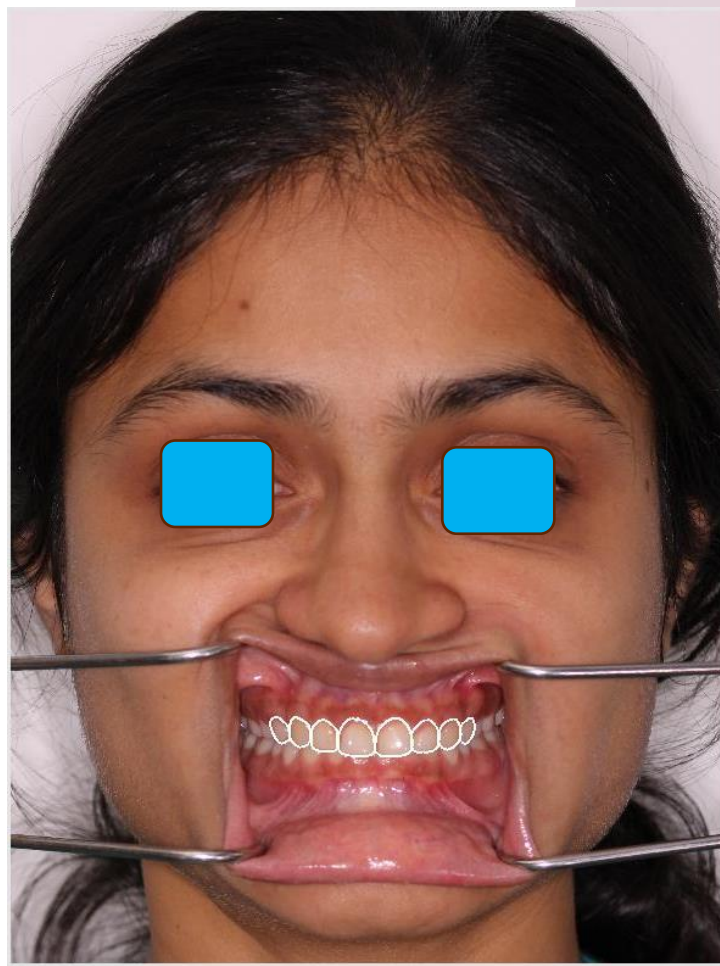
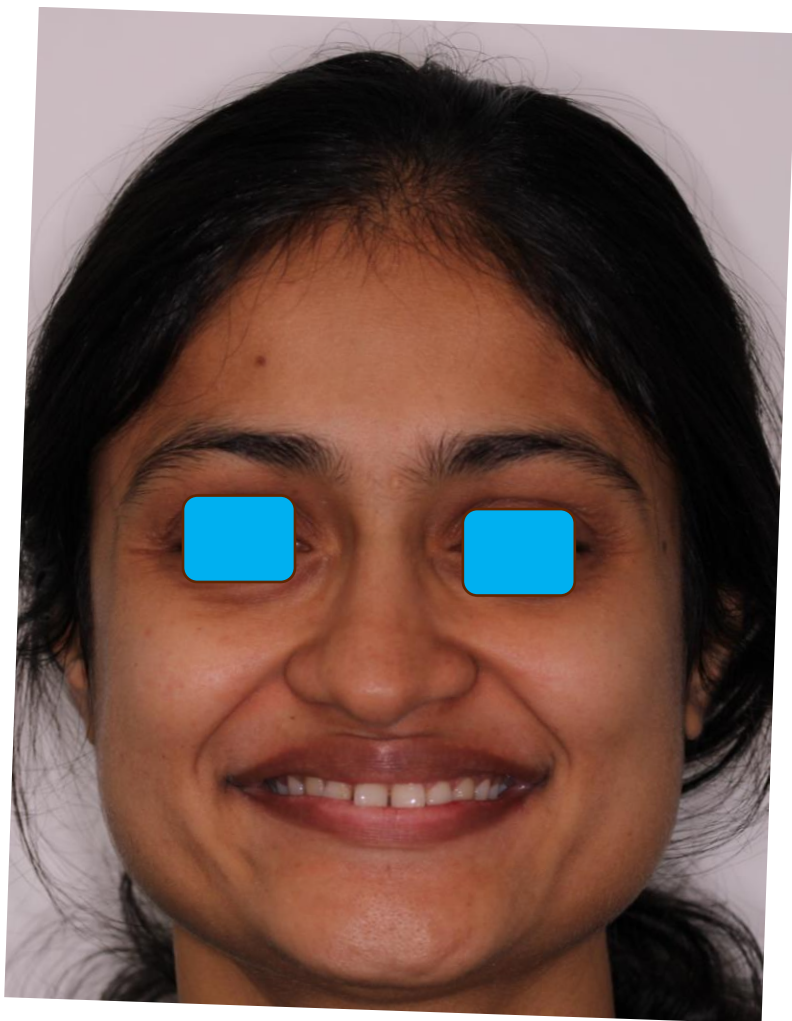


# ***Medit:*** Comparison

(rotation corrected in PowerPoint, View, Guide on)







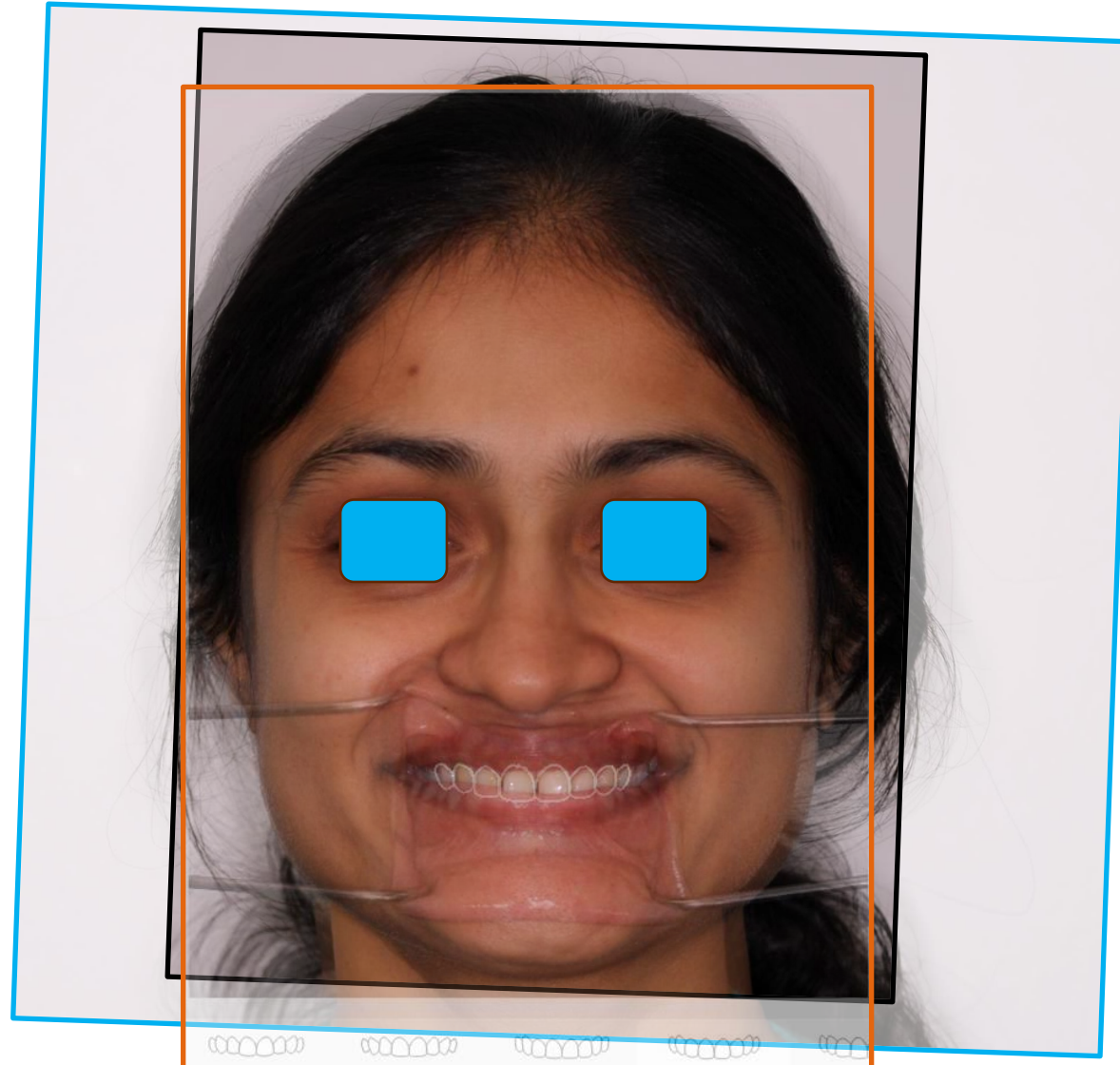


Color Coded Photo Line Fill Boxes (Back to Front)

Blue=Lips At Rest

Black=Full Smile

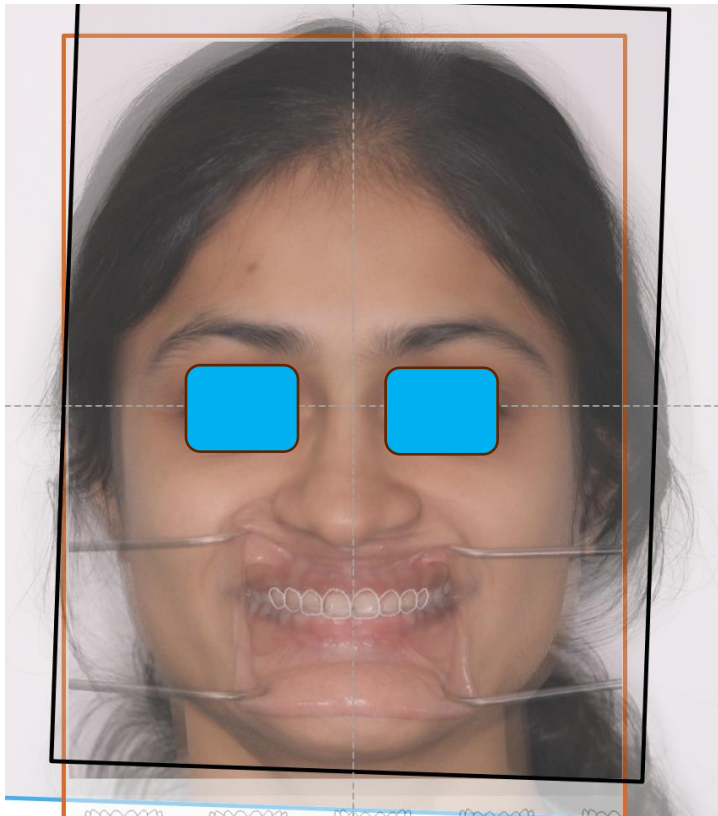
Red=Retracted Template



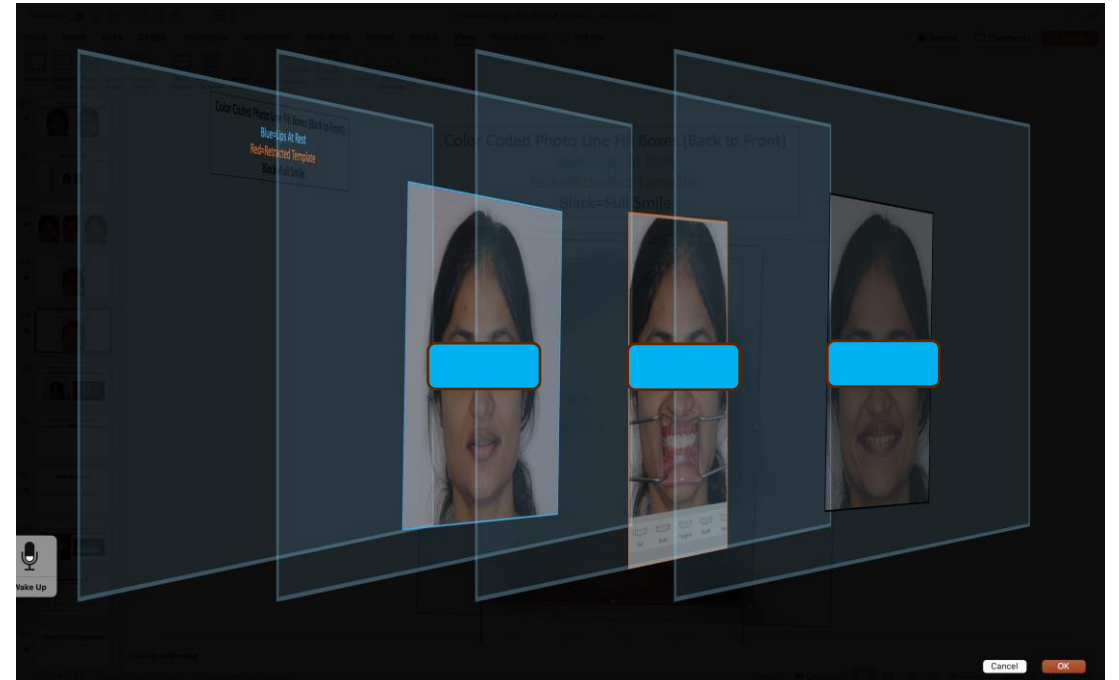
# ***Medit Link.*** Powerpoint Layered Photos.

---

## 3:1 Photo Merge

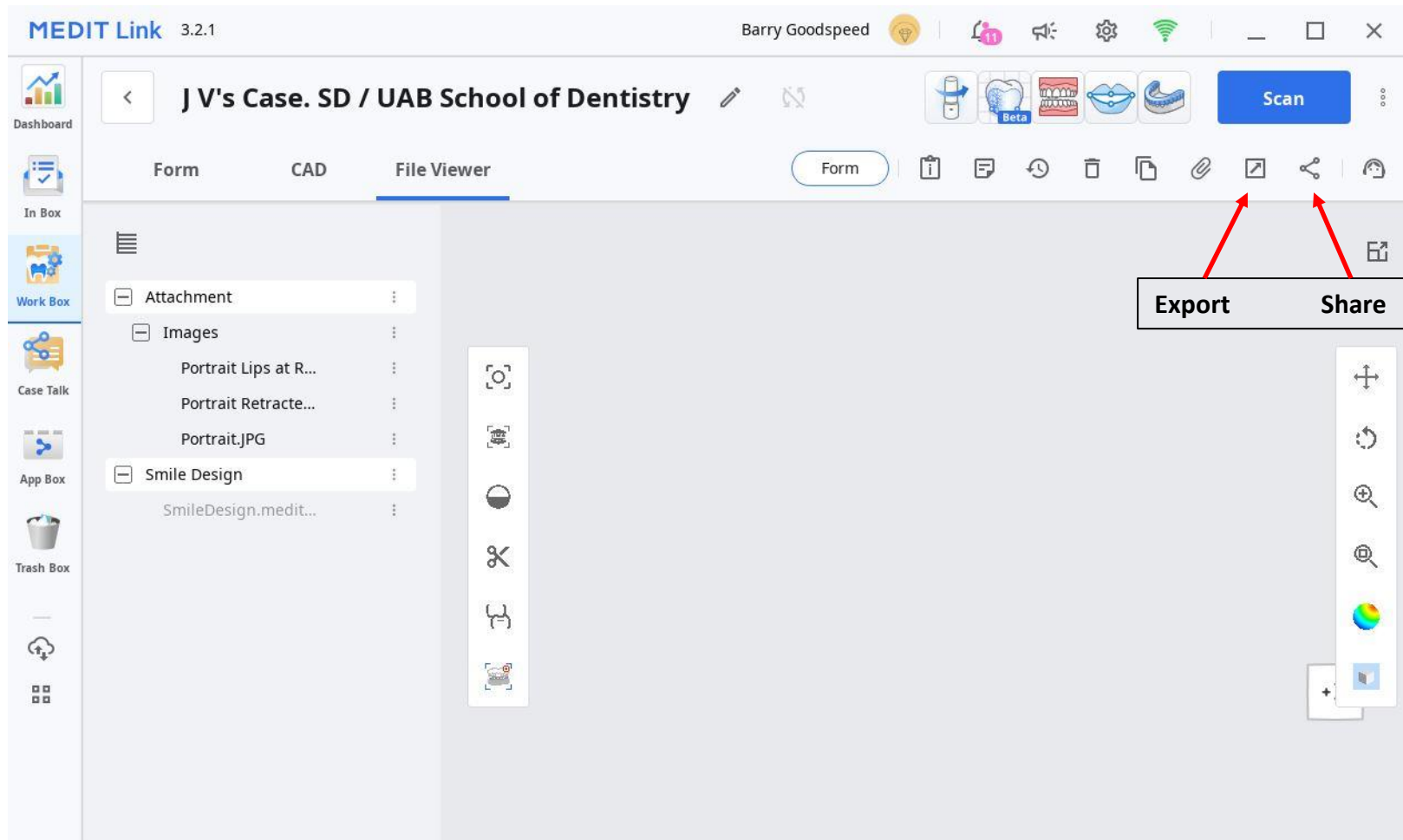


## 3 Portraits Back to Front: Lips at Rest, Retracted, Full Smile



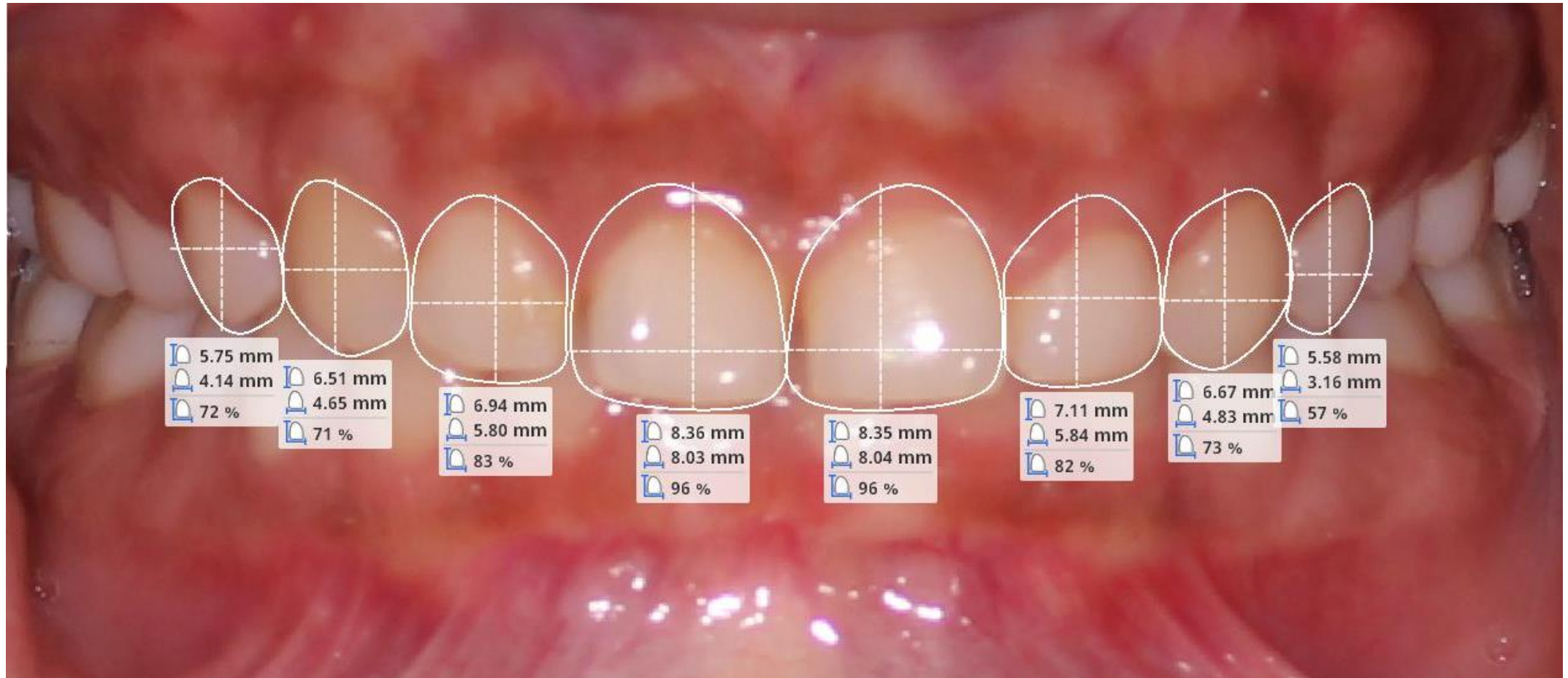
# ***Medit:*** Final Export or Share files as needed

---



# ***Medit:*** Calibrated ***Money \$hot*** for Lab

---





# *3Shape*: Proportions for Lab (ref. #5)



*New Digital Design Options:*

***Medit*** (ref. #6) *Play Video Summary*

---



Dashboard



In Box



Work Box



Case Talk



App Box



Trash Box



# Jahnvi's Case / UAB School of Dentistry



Scan




Form

File Viewer

Form Only



Smile Design

SmileDesign.medit... 



+Z

# *The BIG Question is...*

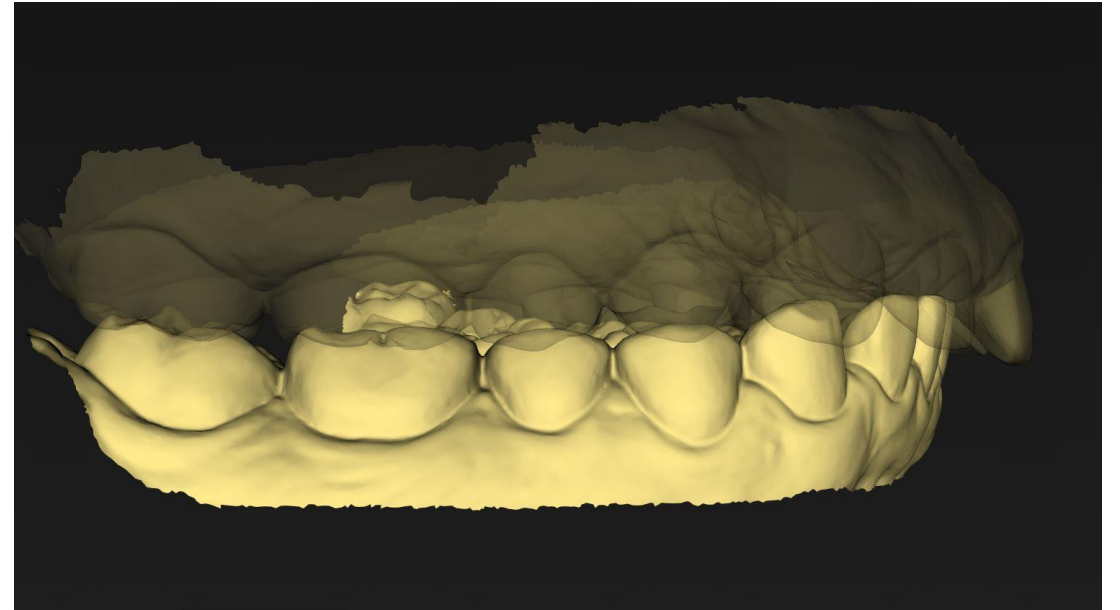
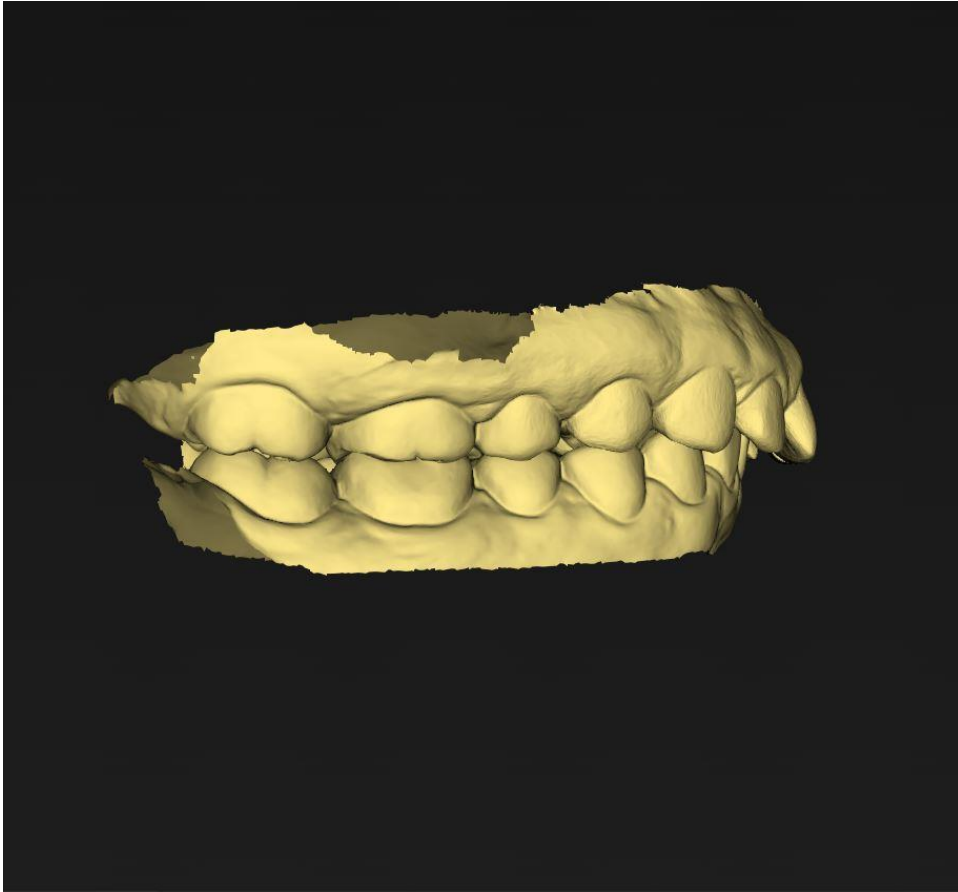
---

Can we promise this **2D** Design to our patient?!!



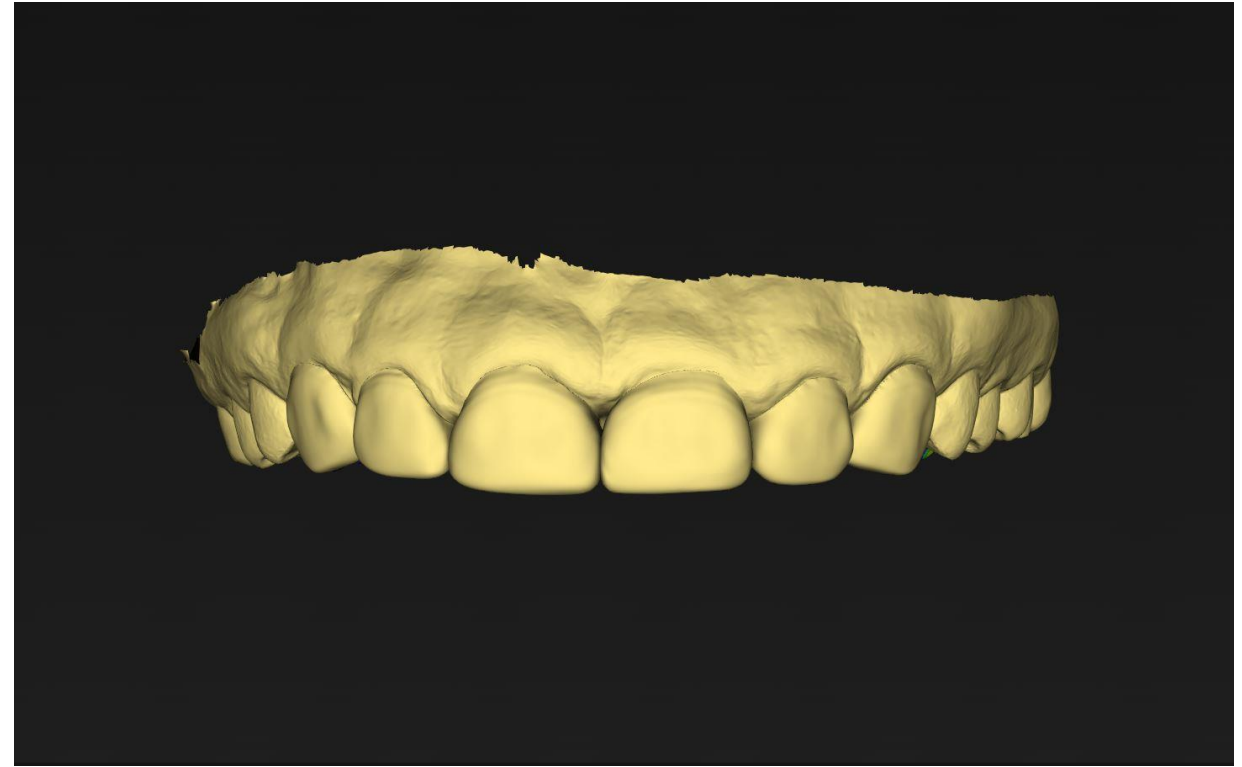
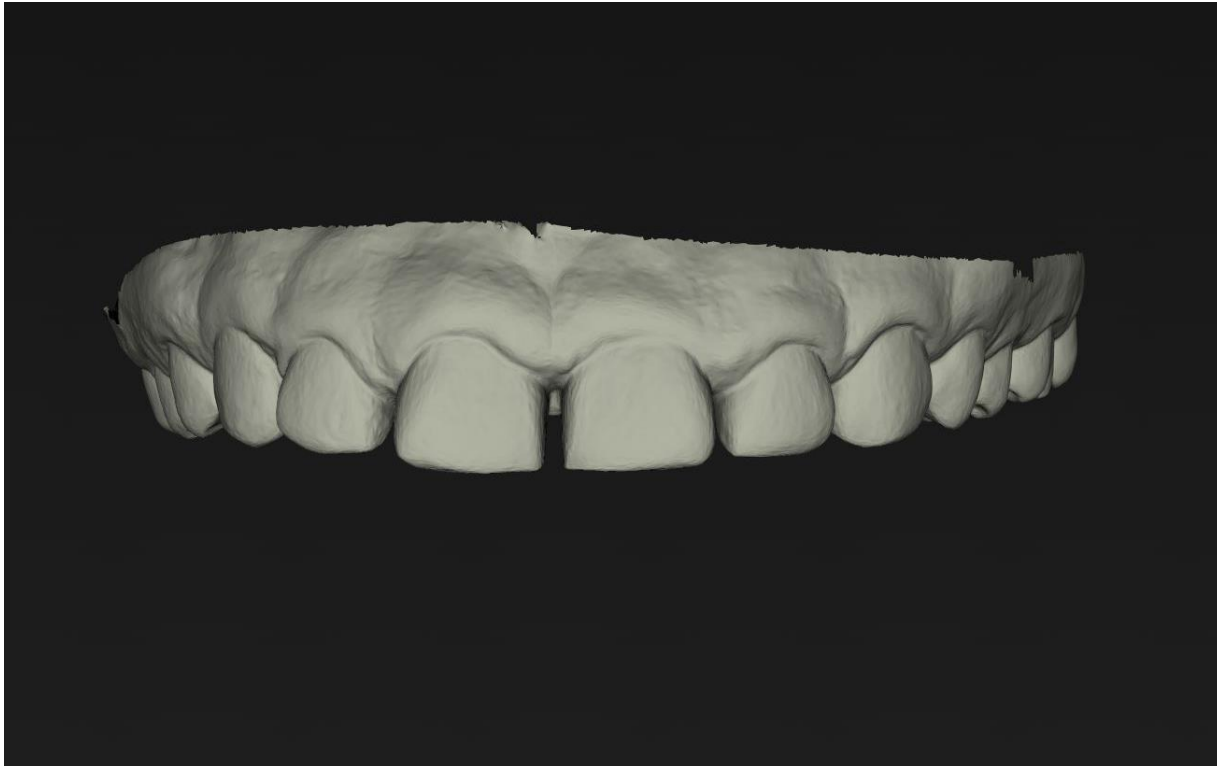
Hint: Look at the Overjet, Curve of Spee, Etc.

---



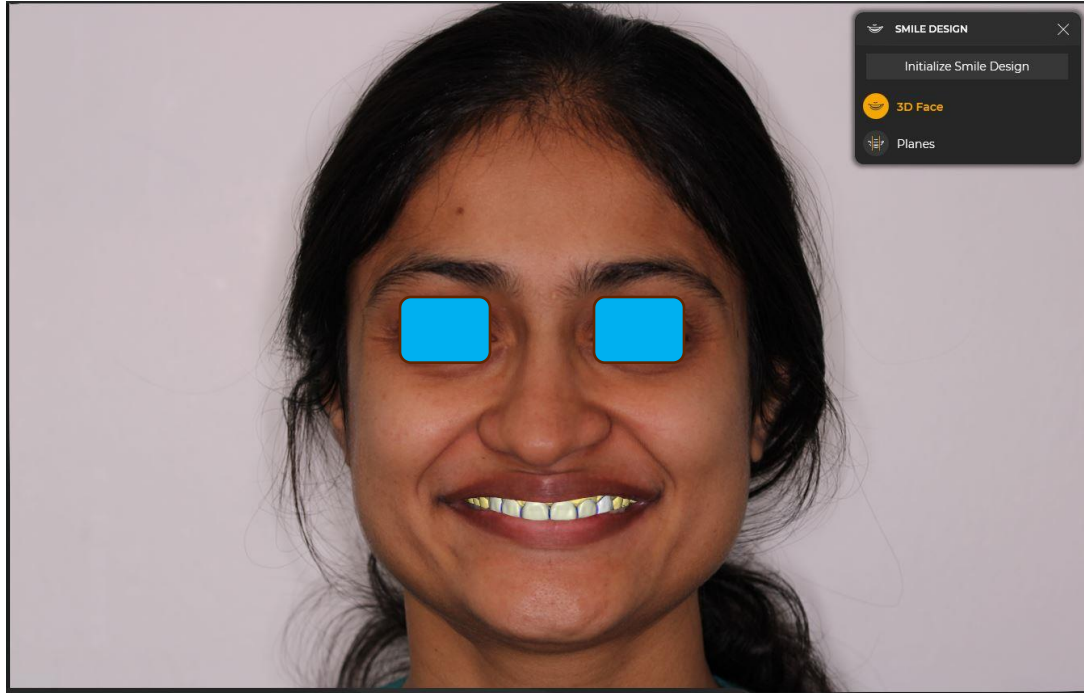
# Dentsply Sirona inLab 3D Design

---



# Dentsply Sirona inLab 3D Design (ref. #10)

---



# *Smile Design Overview*

## Objectives for You

---

Pay attention to your patient's chief complaint.

Learn some efficient and professional photography skills.

Learn and refine your Full Arch Intra-Oral Digital Scans.

Learn and practice (**Medit** or **3Shape**) 2D Design Software if available.



# *Special Credits and Acknowledgements*

---

Dr. Nate Lawson

Dr. Augusto Robles

Dr. Chin-Chuan Fu

Dr. Dan Givan

***\*Jahnvi\****

Karla Wright

Markettea Reed

James Bradley

Nellie Baghaei

Lauren Brashear

Kaytlyn Carlson

Brandon Englert

Brandon Hardy

Josh Huff

Henry Kendrick

Andrew Lisy

Bobby Patel

Turner Shirley

Brooklyn Williamson

CDOCS

Dentsply Sirona inLab 22

Medit Smile Design

Trios Scanners

3Shape Smile Design

# References

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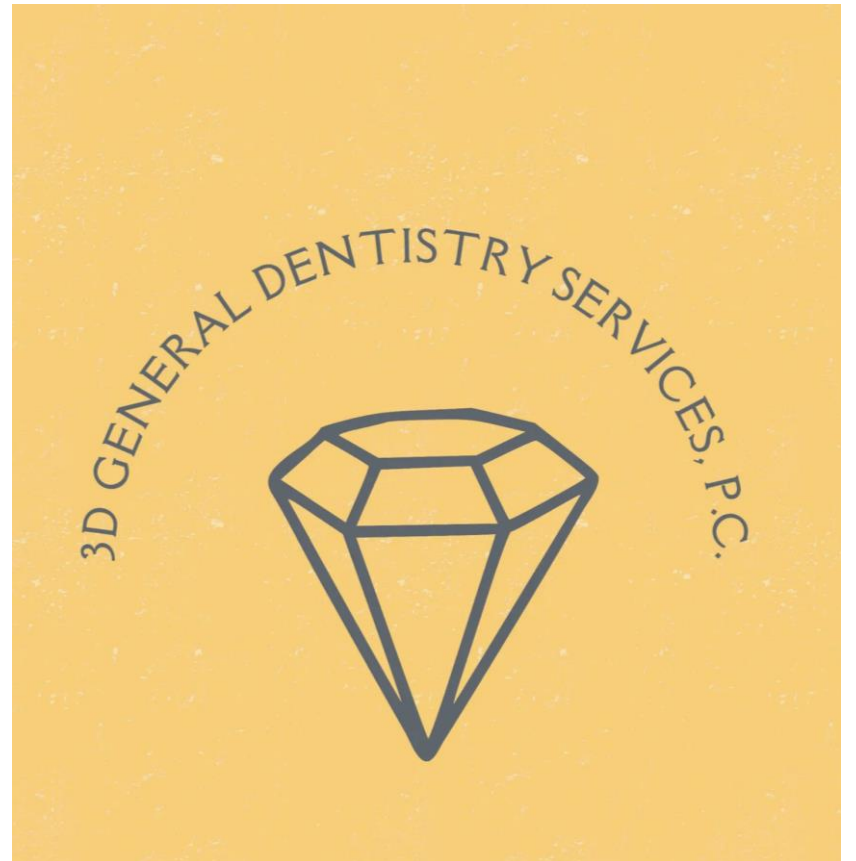
1. CDOCS. CEREC Doctors [cdocs.com](https://cdocs.com)
  - a. Level 4 Anterior Esthetics,
  - b. Level 5 Comprehensive Restorative Care with a Digital Workflow. CDOCS and Spear Education
  - c. Level 6 Advanced Cerec Software Mastery
2. Orthodontic/Esthetic Consultation Sheet based off of Align Technologies certification Orthodontic Quick Check form distributed by CE presenting doctor, 10/3/2008.
- 3.. Photo Set 8 based on Invisalign composite creator, c. 2008.
4. Quickmount FaceBow With Screw: Model 8645 Whip-Mix Corporation, Patterson Item #: 727-6959, Mfg. Item #: 15911
5. Trios **3 Shape** Smile Design You Tube Tutorial link:  
<https://www.youtube.com/watch?v=omuAeyFOmto>
6. [MeditLink.com](https://meditlink.com). Smile Design Application
7. **Medit Link** Smile Design You Tube Tutorial link:  
[Medit App\\_Medit Smile Design v1.2 \(ENG\) - YouTube](#)  
[Workflow guide on how to design smile with Medit 'Smile Design' App - YouTube](#)
8. Harbor Freight Digital Caliper  
<https://www.harborfreight.com/hand-tools/measuring-marking/calipers-micrometer/calipers/6-in-digital-caliper-with-sae-and-metric-fractional-readings-63731.htm>
9. Frank Spear, Spear Education. “Facially Generated Treatment Plan” concept and Spear Templates.
10. Dentsply Sirona inLab 22 Software. <https://www.dentsplysirona.com/en-us>
11. Determining the widths of the maxillary anterior teeth for esthetics: Comparison of the Mondelli and Albers formulas, esthetic proportion, and golden ratio. Garrido, Magalhaes, Mamani, and Mondelli. General Dentistry, May/June 2024, Pgs. 26-32

# *Smile Design: 2D*

---

*Door Prize!!!!*

*2D Smile Design (6-10 Teeth)*





# **2025 ALUMNI WEEKEND**

## **FEBRUARY 6 - 9**

**The University of Alabama School of Dentistry Alumni Association**

Thank You UAB Alumni Meeting!!!

Scott Huffman, UAB SOD Alumni Association Executive Director

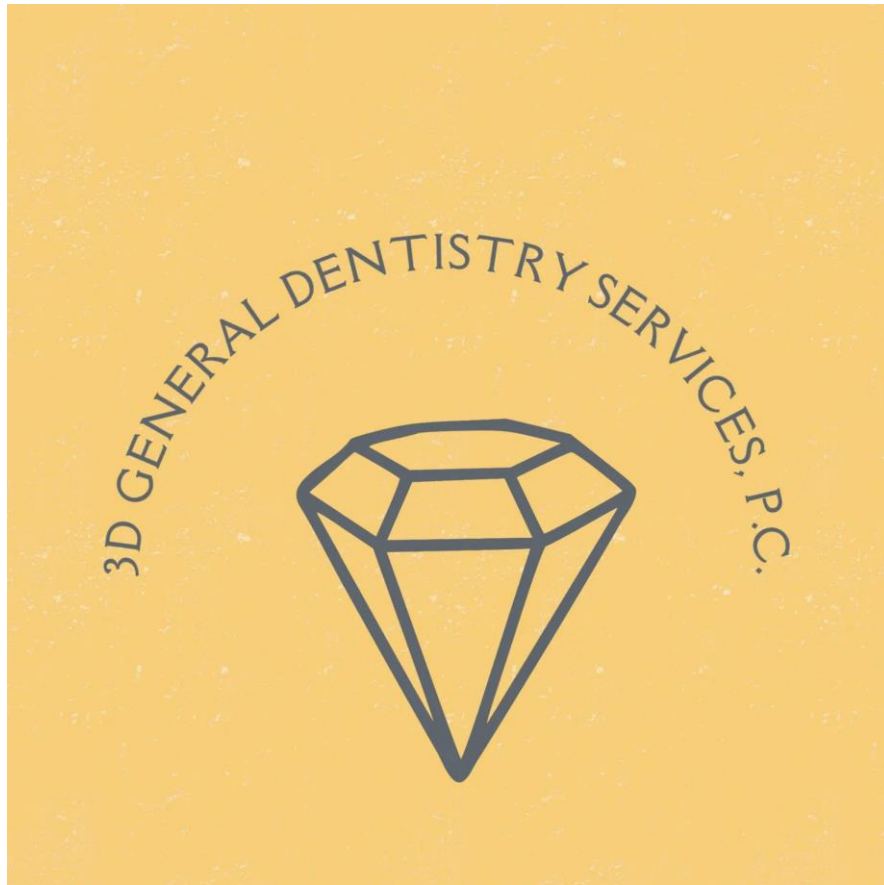
Charlene Phillips, Development & Alumni Relations Coordinator

Kerry Chestnut, Ben Moffatt, Abby Vinson, Cherri West



# Thank you for your attention!!!

---



**Barry E. Goodspeed, DDS**  
**3D General Dentistry Services, P.C.**  
**Vestavia Hills, AL**  
**205-907-1400**

[drbarrygoodspeed@protonmail.com](mailto:drbarrygoodspeed@protonmail.com)

[begoodsp@uab.edu](mailto:begoodsp@uab.edu)

[3DGDServices.com](http://3DGDServices.com)