



Mostafa El Shabrawy

Uma mulher de 35 anos veio à clínica buscando melhorar o seu sorriso. Diagnóstico, planejamento e execução adequados são de fundamental importância para tratar esses casos.

As sessões para tratamento foram 3 para preparação da boca completa (lado direito, lado esquerdo e depois anterior). Uma sessão para experimentar e uma sessão para entregar 27 restaurações.

Levou-nos 8 horas para cimentar todas as restaurações, pois 26 delas estavam ligadas a dentes vitais. O paciente foi recordado após cinco dias para o equilíbrio final da mordida e limpeza.

A descrição está em cada foto, espero realmente que gostem e que tenham uma discussão construtiva sobre o caso. Fico mais do que feliz por ajudar quem deseja abordar ou compreender qualquer abordagem utilizada neste caso.

Vertical Dimension of Occlusion: Biological, Mechanical and Esthetic



“MINIMALLY INVASIVE
BUT
MAXIMALLY BIOLOGIC”

Dr Mostafa M. El-Shabrawy

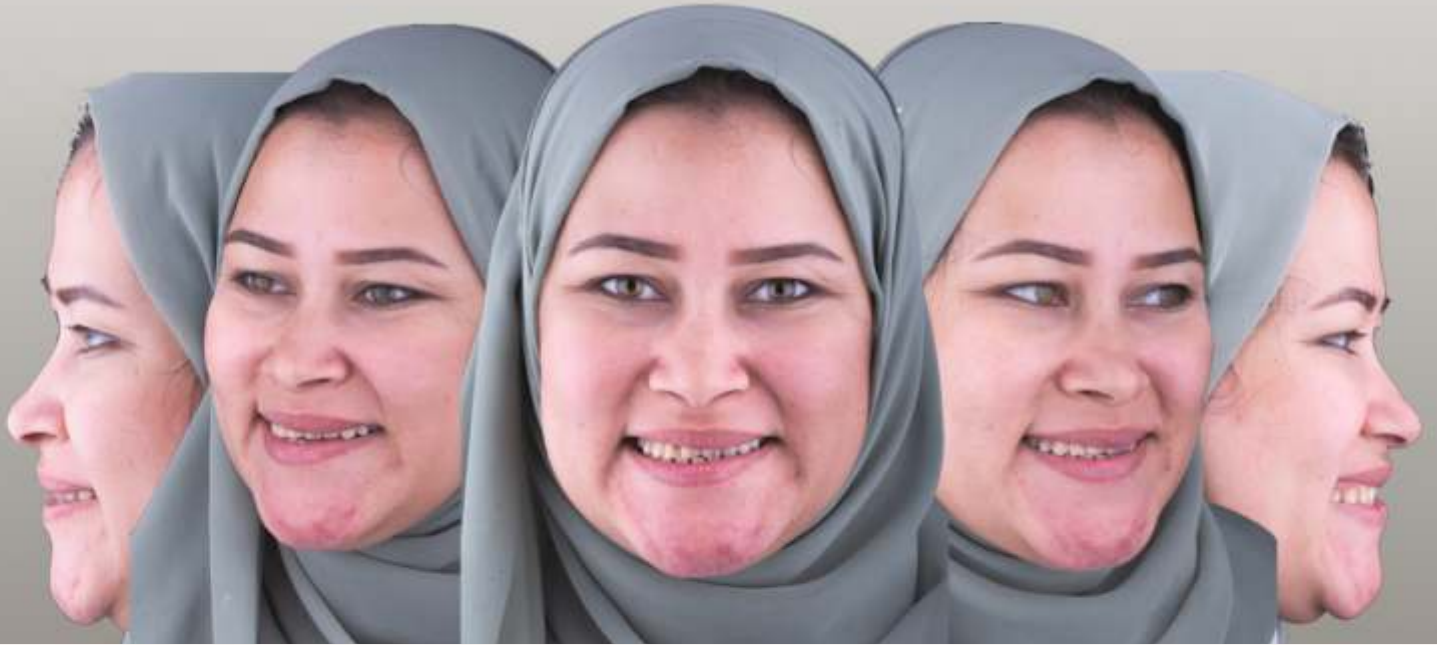
Chief Complaint:

- Night Bruxer
- Unhappy with her smile
- Attrition of front teeth



Dr Mostafa M. El-Shabrawy

Extra-oral Examination



REST POSITION VS. MAXIMUM SMILE



RETRACTED POSITION



- Generalized Attrition
- Improper diet and hygiene
- Edge to Edge Occlusion
- Multiple old fillings
- Endodontically treated #11

Upper Arch with Contraster



Edge to Edge Occlusion



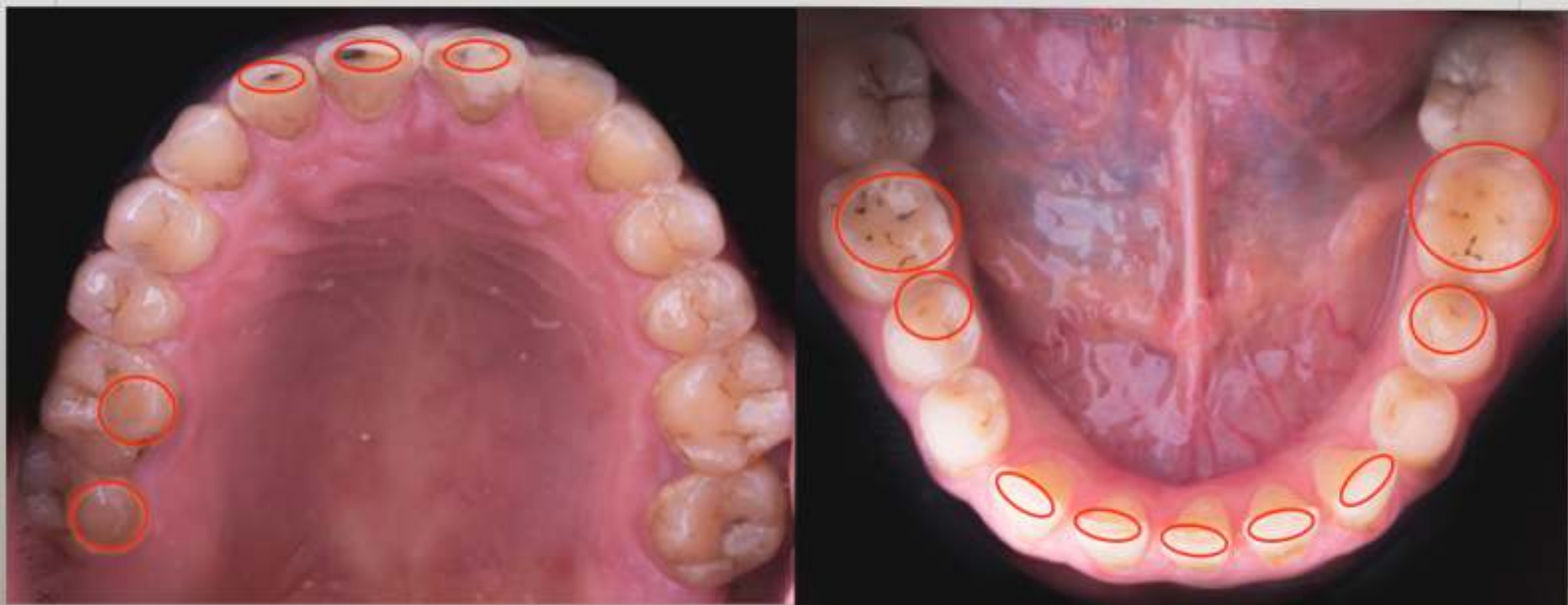
Lower Arch with Contraster





Extensive attrition due to edge to edge occlusion, which is more extensive to the left side of the anterior sextants

Dr Mostafa M. El-Shabrawy



Dentin Exposure

Dr Mostafa M. El-Shabrawy

REST POSITION



- Absence of Incisal display during rest
- Normally 3mm in females

Dr Mostafa M. El-Shabrawy



The Vertical Dimension should be altered for better esthetics and to provide space for the restorations

Dr Mostafa M. El-Shabrawy



-1mm Incisal edge position to the lip at rest

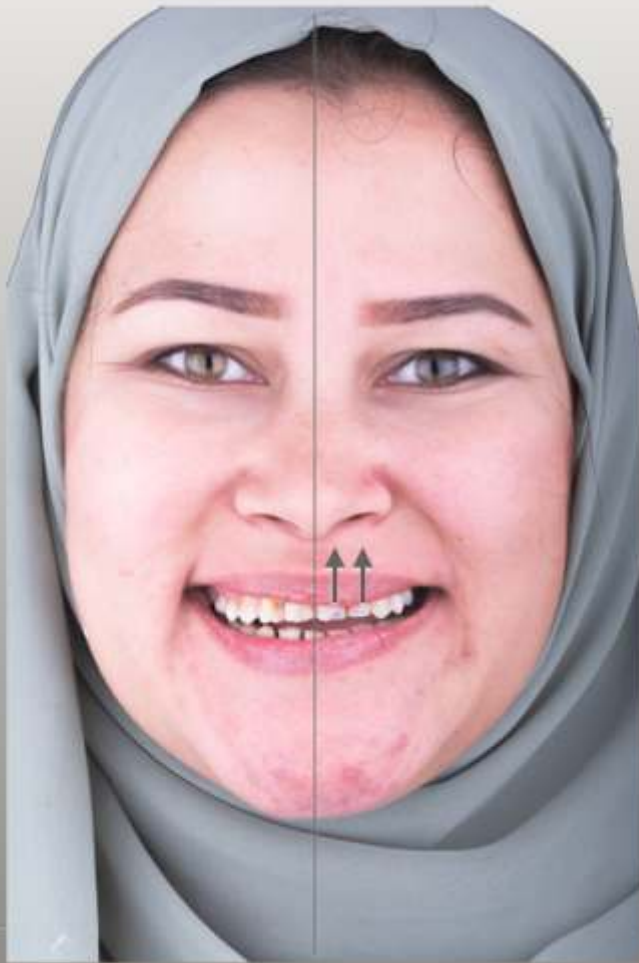
Dr. Mostafa M. El-Shabrawy



Missing lower central incisor

Dr. Mostafa M. El-Shabrawy

INITIAL PROPORTIONS



- Low lip line
- More Apically positioned incisal edges of teeth #21 and 22 due to more attrition than the rest of the teeth

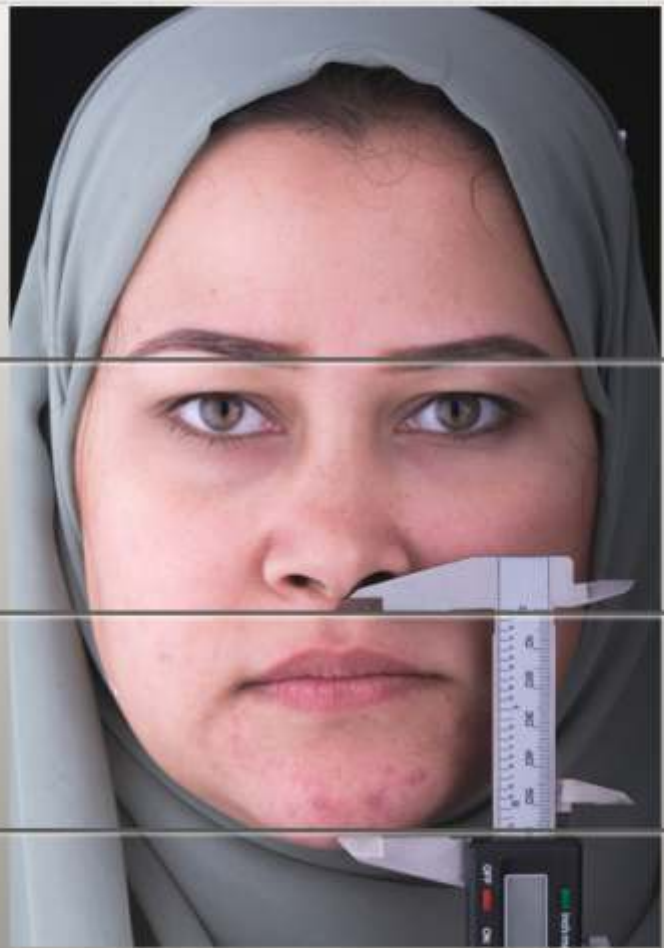
Dr Mostafa M. El-Shabrawy



Incisal Edge Augmentation

13	12	11	21	22	23
+2mm	+2mm	+3mm	+3.5mm	+3mm	+2mm

Dr Mostafa M. El-Shabrawy



Difference 3mm between mid-face and lower face

PANORAMIC X-RAY



*Only one endodontically treated tooth
and i'd like to keep it that way!!*

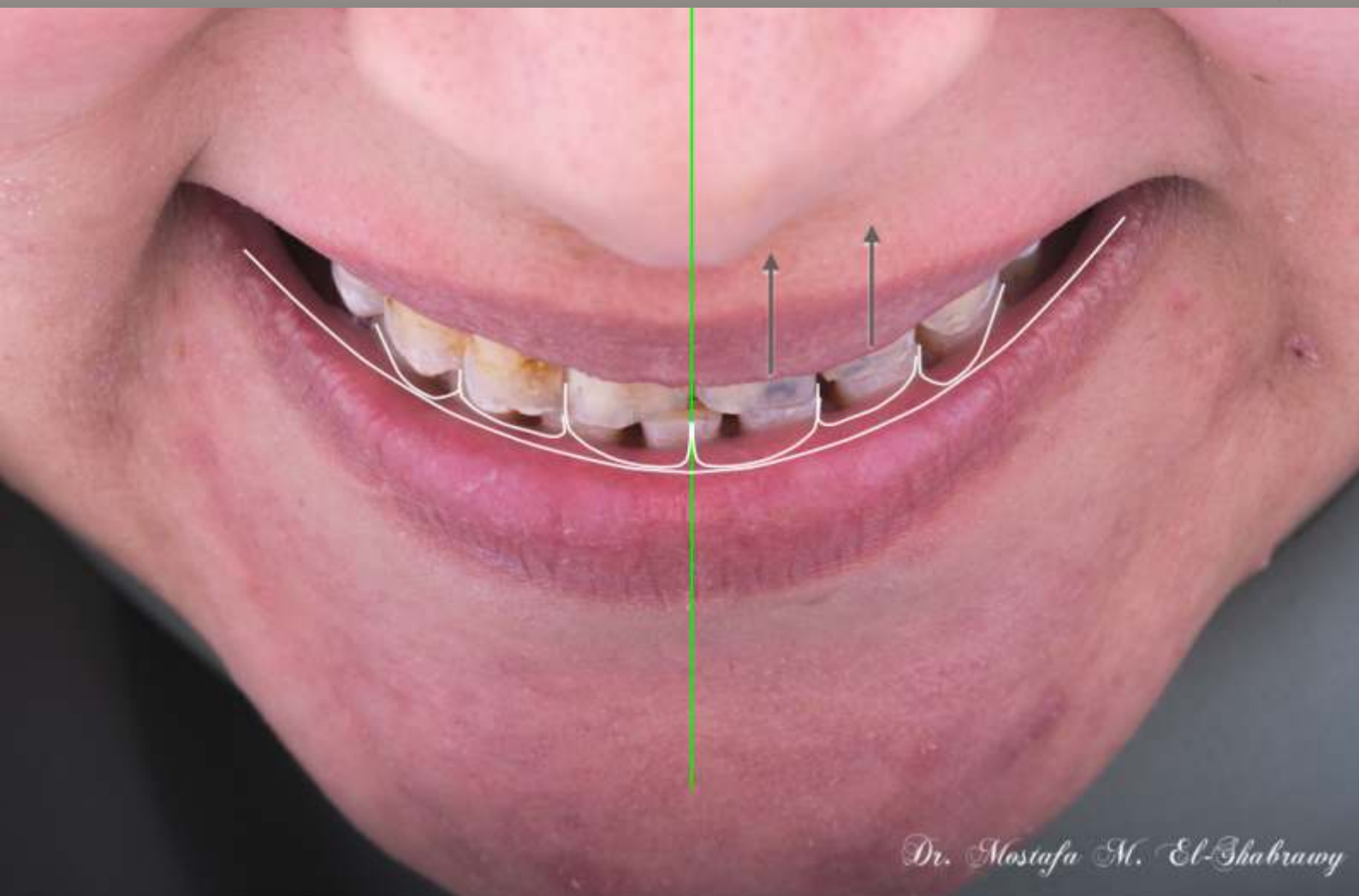


Facebow Registration:

To locate, record and transfer the position of the maxilla in relation to the base of the skull and the axis of rotation of the patient's joint. Giving the 3D spatial position of the maxilla in the semi adjustable articulator



Dr. Mostafa M. El-Shabrawy



Dr. Mostafa M. El-Shabrawy

CHANGING THE COMPLETE OCCLUSAL PATTERN DICTATES THE SHIFT TOWARDS A CENTRIC RELATION POSITION

“Centric relation position is considered to be the most anatomically stable mandibular position, with muscular/ ligamentous balance that doesn't depend on tooth contact”

GENERAL REASONS TO RAISE THE VERTICAL DIMENSION OF OCCLUSION

- Harmonizing Dentofacial Esthetics
- Provide Adequate Space for Restorative Material
- Enhancing Incisal and Occlusal Relationships

CR could be achieved by the use of Kois appliance



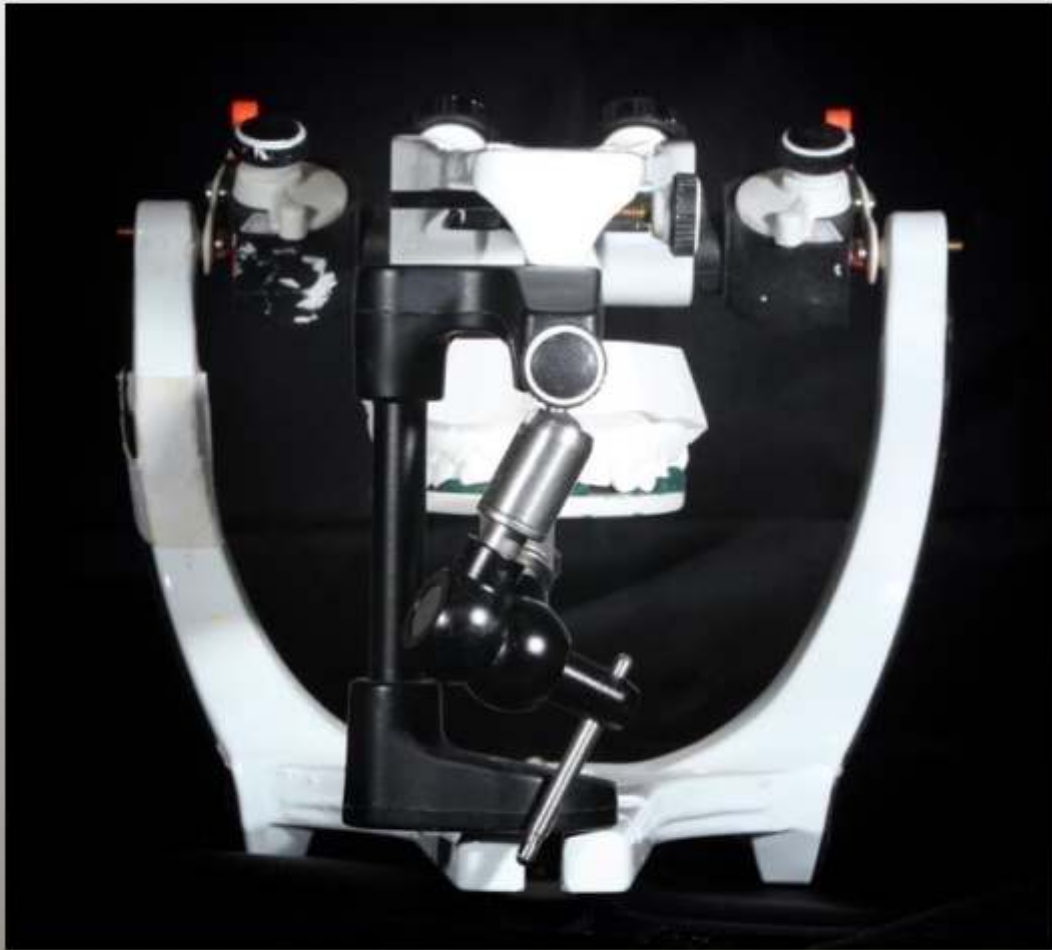
Kois appliance used for muscle deprogramming with a 3.5mm thick platform, just the amount needed for bite raising.

Patient was instructed to wear it for a week. Only to take it out during eating.

Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy



*Mounting of the
upper cast with
facebow
registration*

Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy



Dr. Mostafa M. El-Shabrawy



*Upper and lower cast
mounted with bite
registration taken with the
kois appliance intra-oral for
proper bite raising*

Dr Mostafa M. El-Shabrawy

A dental model showing a maxillary and mandibular arch. A vertical metal pin is positioned in the center of the upper arch. A black horizontal line is drawn across the upper arch, and a red horizontal line is drawn below it, representing a 1.5 mm posterior shift. The text '+1.5 mm in CR posteriorly' is written on the left side of the model.

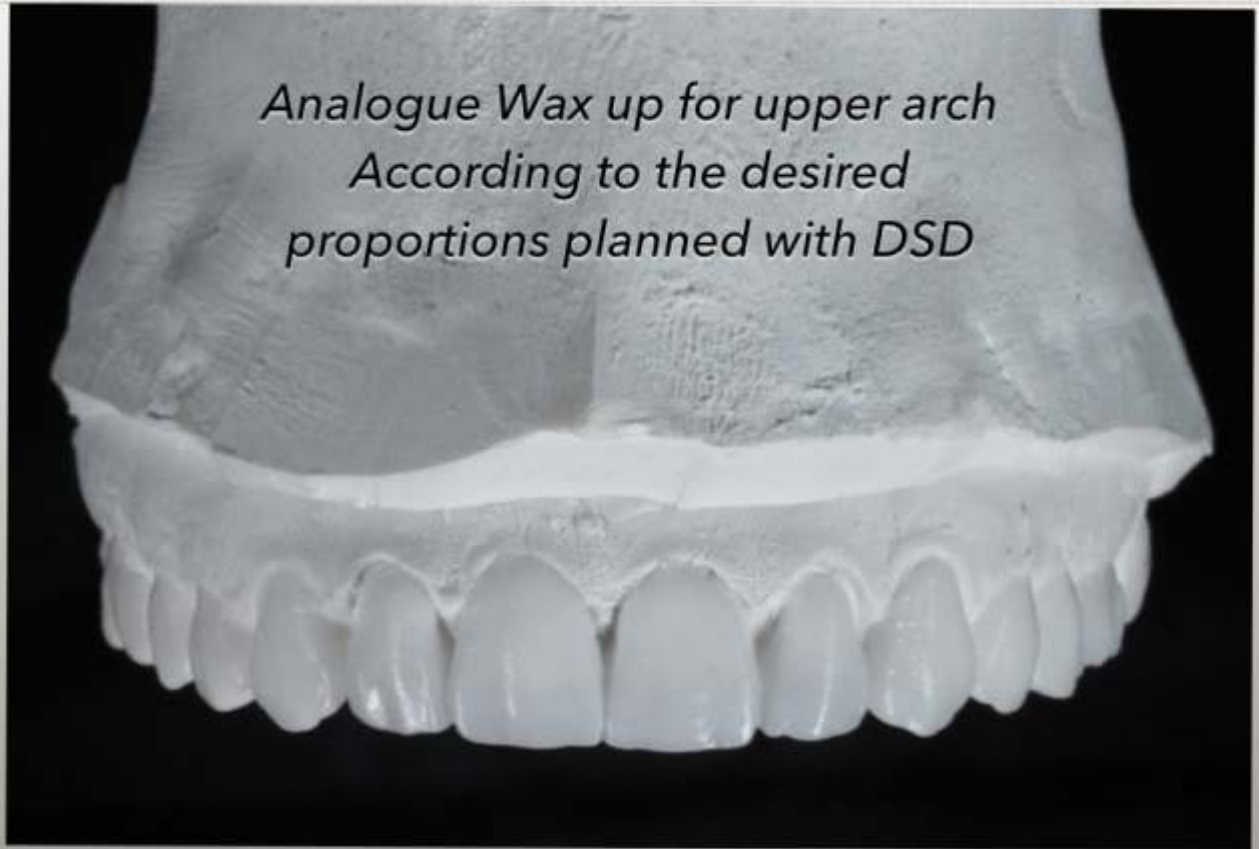
+1.5 mm
in CR posteriorly

Dr Mostafa M. El-Shabrawy

A dental model showing a maxillary and mandibular arch. A vertical metal pin is positioned in the center of the upper arch. A black horizontal line is drawn across the upper arch, and a red horizontal line is drawn below it, representing a 1.5 mm posterior shift. The text '+1.5 mm in CR posteriorly' is written on the left side of the model.

Dr Mostafa M. El-Shabrawy

*Analogue Wax up for upper arch
According to the desired
proportions planned with DSD*

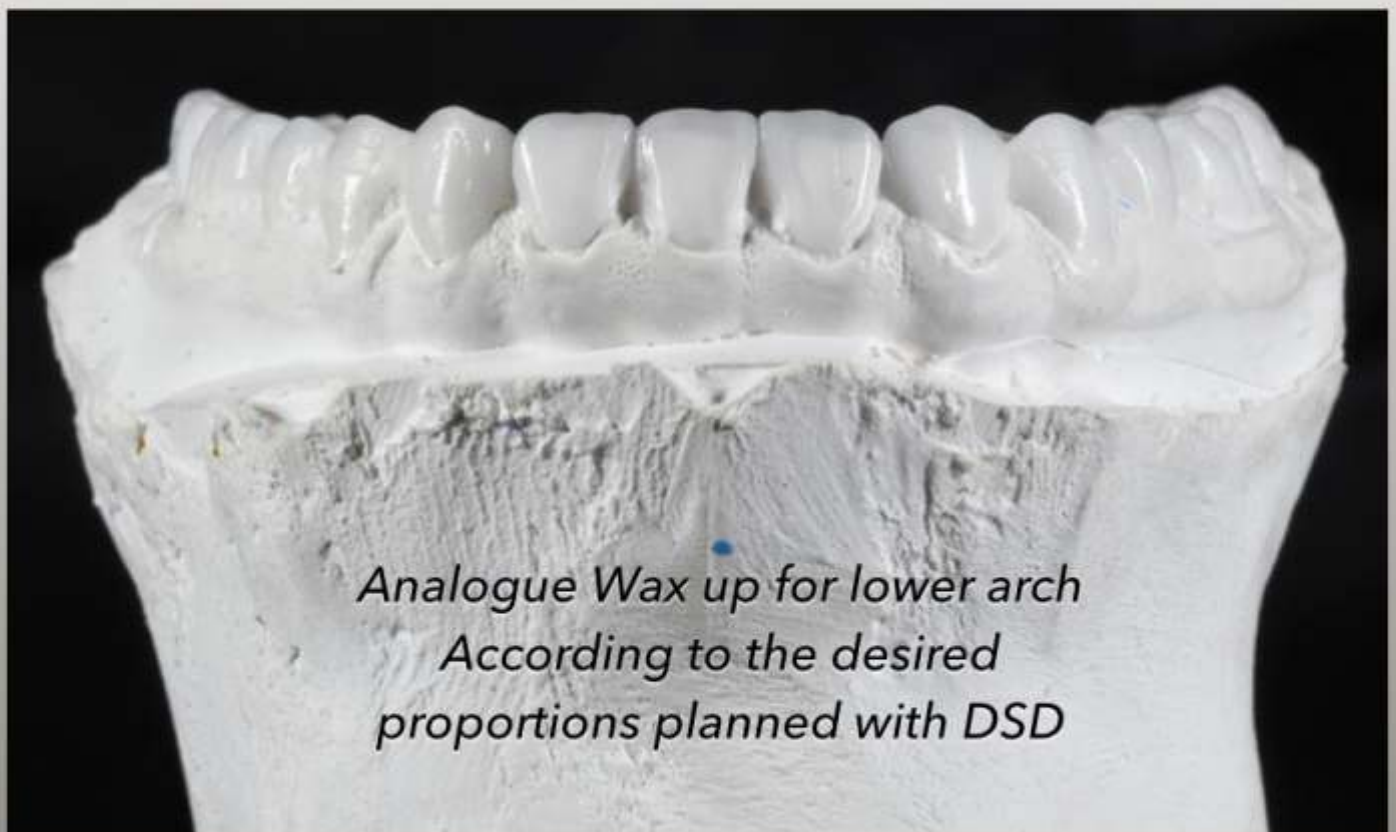
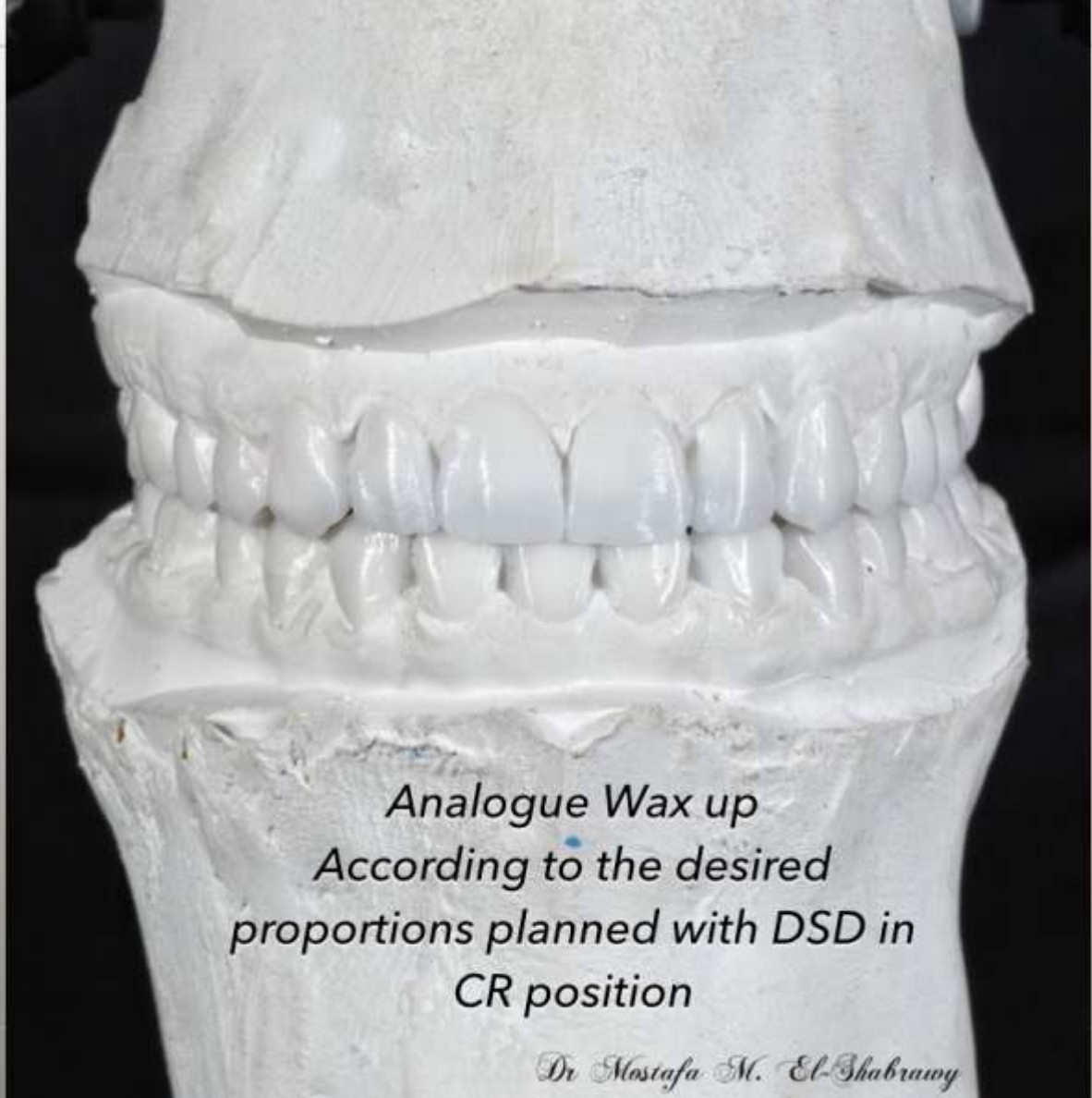


Dr Mostafa M. El-Shabrawy



*Guided enameloplasty for the lower arch before mock up
insertion marked by the lab*

Dr Mostafa M. El-Shabrawy





Silicon index for mock up transfer intra-orally

Dr Mostafa M. El-Shabrawy



Proper swallowing and lip Competence during closure to assess the bite raise

Dr Mostafa M. El-Shabrawy



Evaluating Dentofacial Esthetics & getting a bit emotional of course!!

Dr Mostafa M. El-Shabrawy

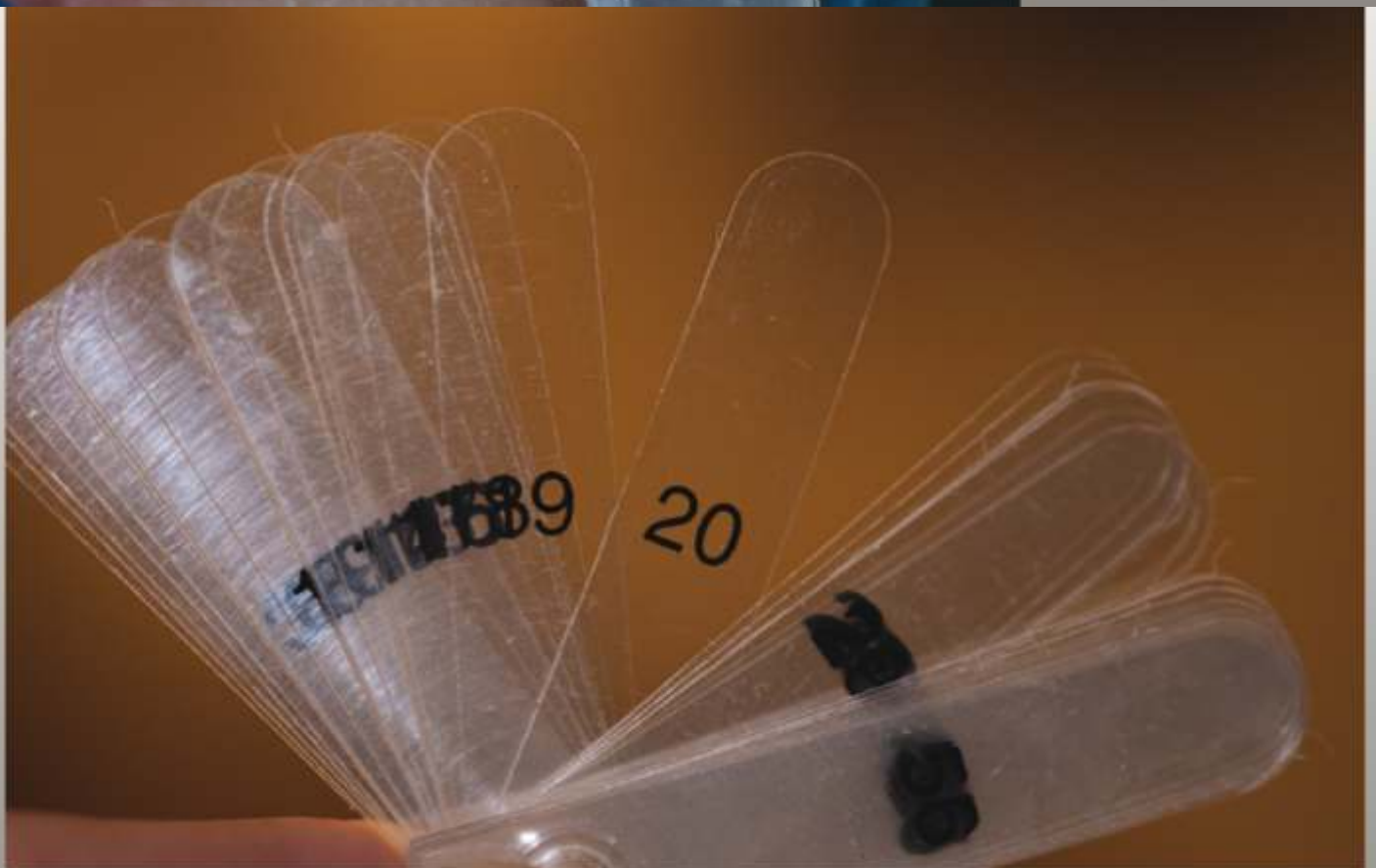


Dr Mostafa M. El-Shabrawy



Tap,
Tap ,and
Squeeze

Dr Mostafa M. El-Shabrawy



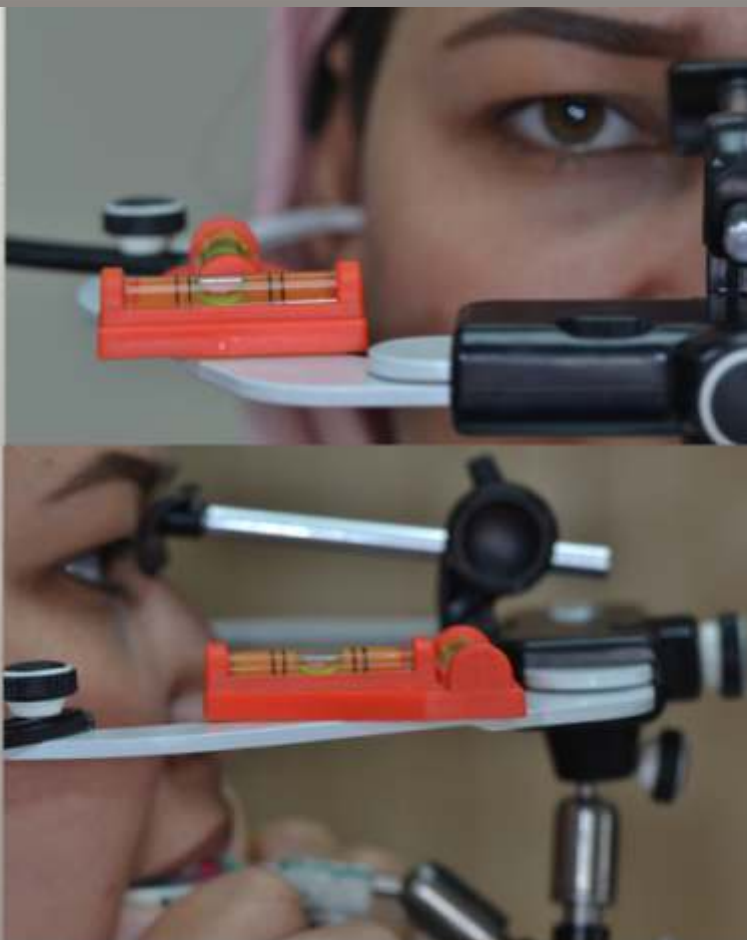
Leaf Gauge equilibration started with leaf #20

Dr Mostafa M. El-Shabrawy



The mock up should be evaluated in this stage for any final adjustments. An accurate impression should be taken for replication of the mock up in the final restorations

Dr Mostafa M. El-Shabrawy



A second facebow registration for the occlusally equilibrated mock up with spirit level for better orientation with the horizon, for cross mounting.

Dr Mostafa M. El-Shabrawy

MIPP: Minimally Invasive Prosthetic Procedure

By: Mauro Fradeani



Dr Mostafa M. El-Shabrawy

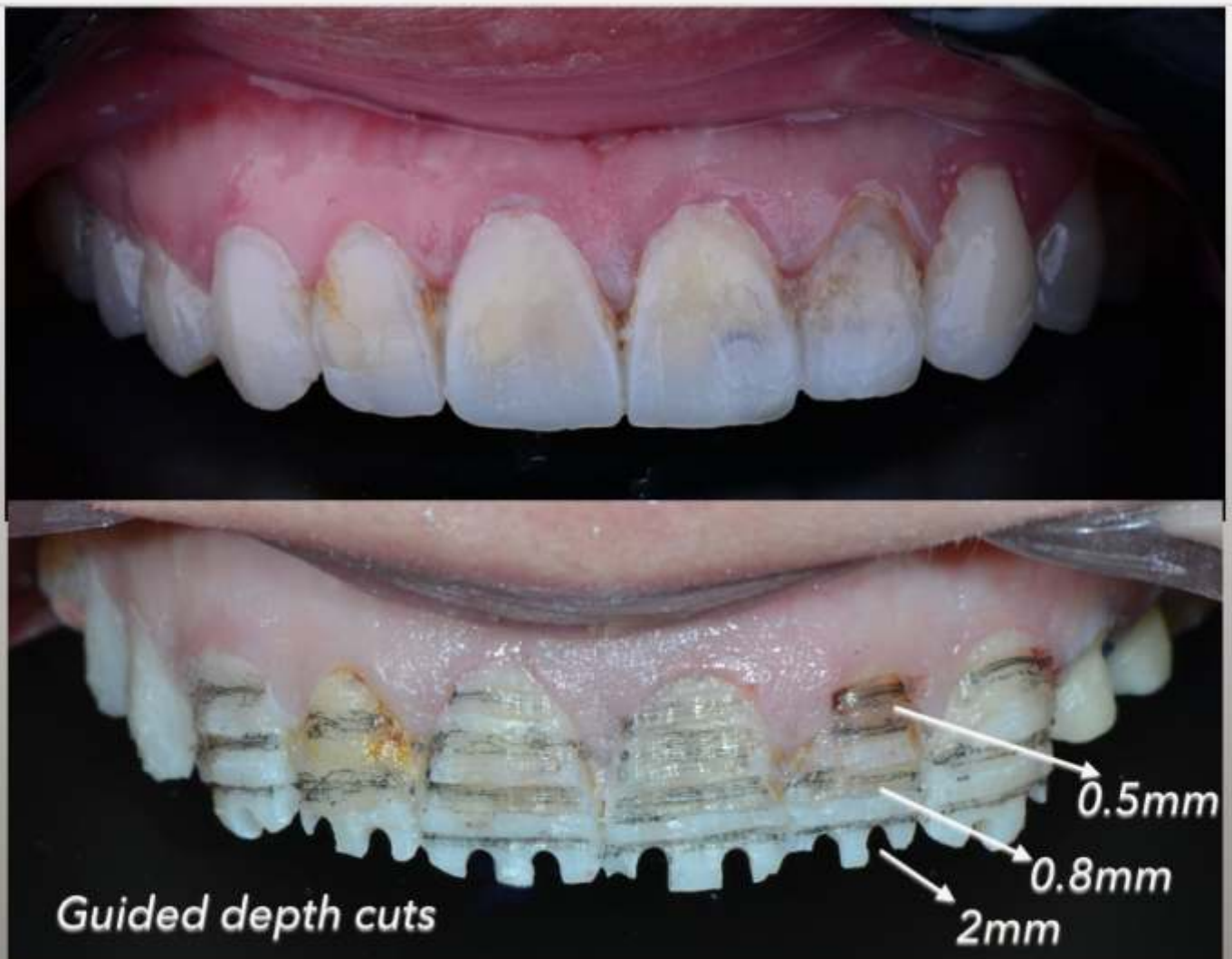


Guided preparation through mock up with 1.5mm depth grooves

Dr Mostafa M. El-Shabrawy



Guided Preparation for lower anteriors





*Sequential Bite Registration for Cross Mounting
Upper Preparation with Lower Mock up*

Dr Mostafa M. El-Shabrawy



*Sequential Bite Registration for Cross Mounting
Upper Preparation with Lower Preparation*

Dr Mostafa M. El-Shabrawy

BENEFITS OF CROSS MOUNTING

Confirmation of the following with approved and equilibrated mock up:

- Horizontal plane
- Midline position
- Incisal length
- Anterior/posterior position
- teeth inclination
- and envelope of function

Dr Mostafa M. El-Shabrawy



Mounting of upper mock up with second facebow registration



Mounting of lower mock up with CR bite registration with upper mock up



Mounting of upper preparation with lower mock up



Custom Incisal Table Registration by the use of equilibrated Mock up to transfer this to the final topography of the final restorations

Fresh out of the Oven!!



Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy



Same day delivery

Dr Mostafa M. El-Shabrawy



Occlusal Table Tops

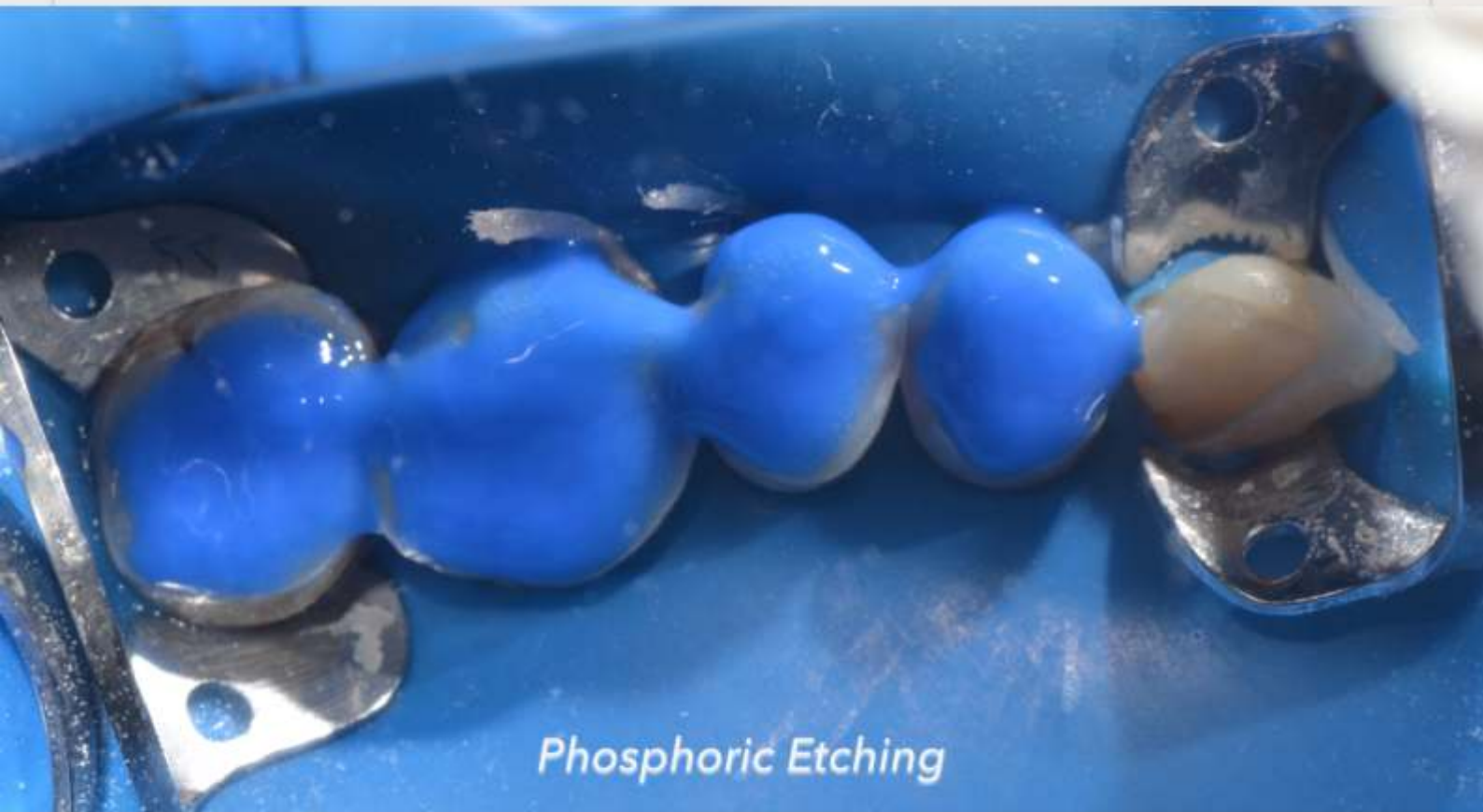
Dr. Mostafa M. El-Shabrawy



Isolation



AquaCare Sandblasting



Phosphoric Etching

Dr Mostafa M. El-Shabrawy



and more
enamel please!!!!

Cleaned, etched and ready to Bond

Dr Mostafa M. El-Shabrawy



3 Bottle System; the Gold Standard for bonding

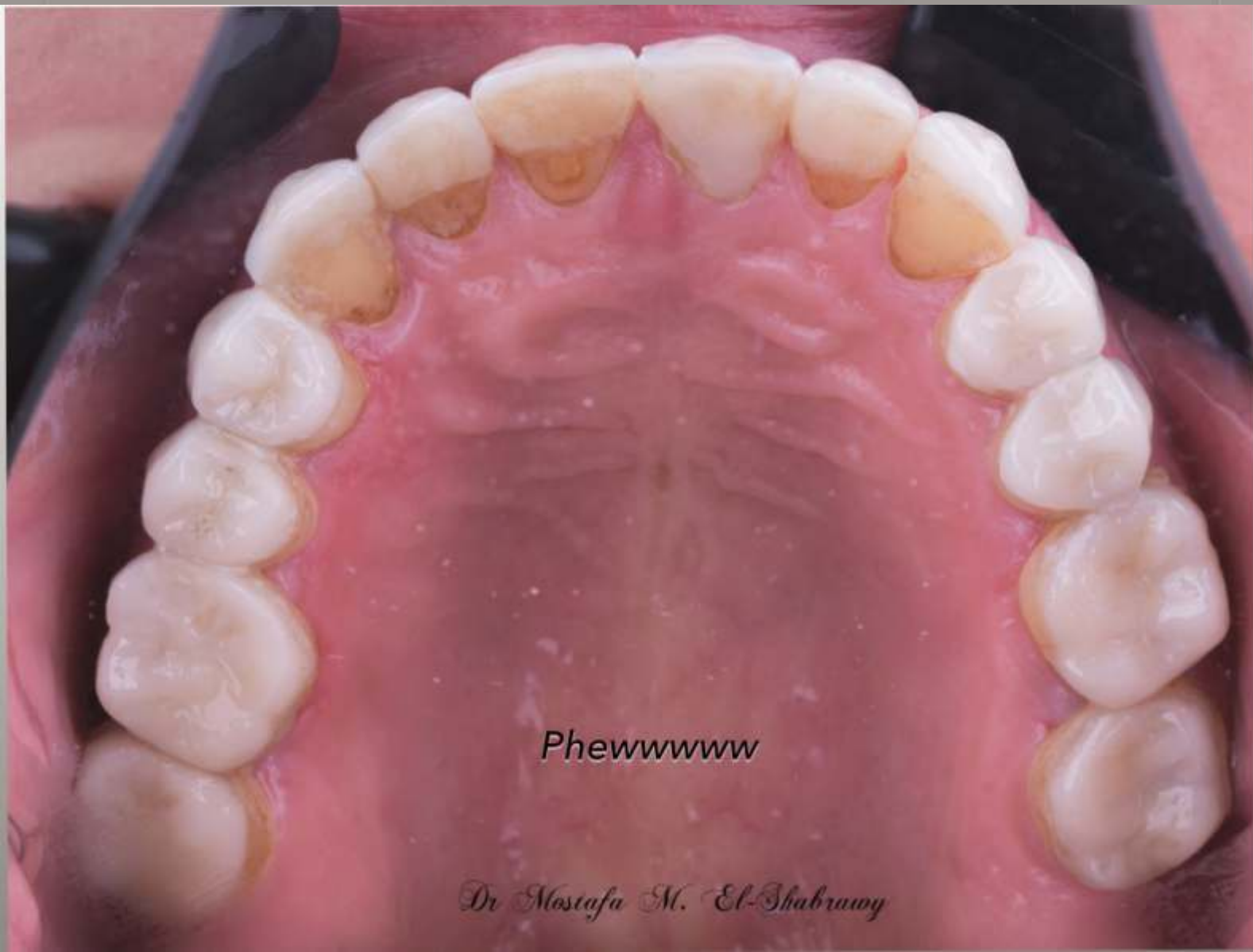
Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy



Split Dam for anterior Isolation

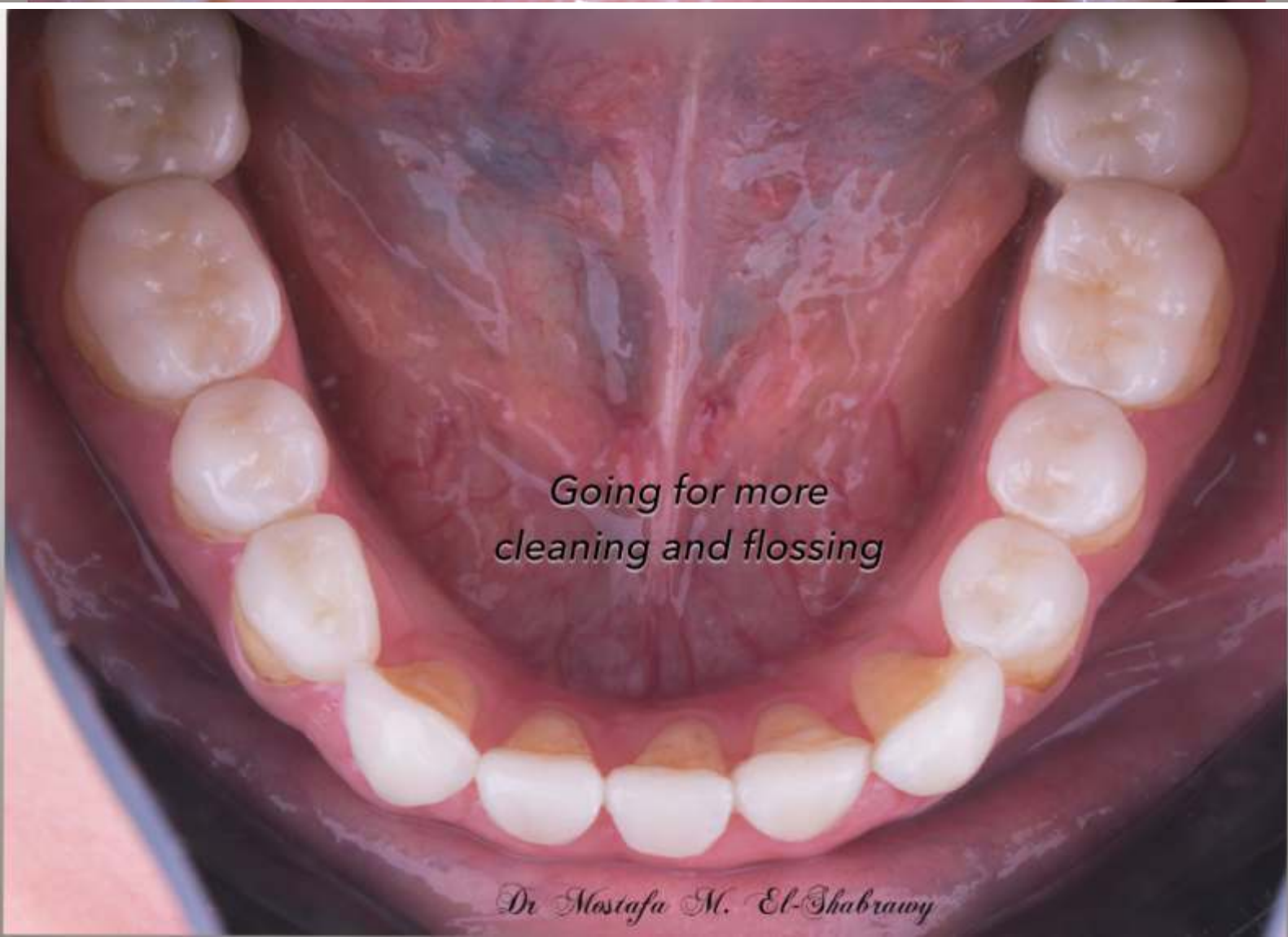


Phewwwww

Dr Mostafa M. El-Shabrawy



Bite Equilibration



*Going for more
cleaning and flossing*

Dr Mostafa M. El-Shabrawy

Dr Mostafa M. El-Shabrawy



Bite Equilibration



Final Rest Position

Dr Mostafa M. El-Shabrawy



Characterisation

Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy



Remember the cross bite

Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy





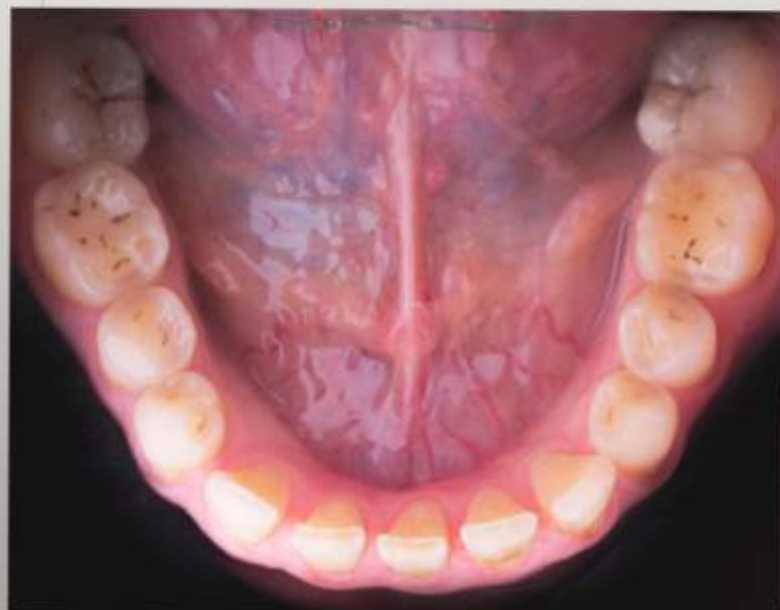
Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy



Proper Buccal Volume

Dr Mostafa M. El-Shabrawy



Maximum Smile

Dr Mostafa M. El-Shabrawy



Equal 1:1 Ratio after bite raising

Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy



Just BREATHHHH!!



Dr Mostafa M. El-Shabrawy



Life Changing, Right!!!

Dr Mostafa M. El-Shabrawy



Dr Mostafa M. El-Shabrawy