

Orthodontic
Distribution



CLEAR  [®]



CLEARX:

- Dr. Sherif Kandil initiated this amazing project that made all of us work towards his vision and today we can present ClearX as the most innovative and sustainable aligner in the market, it has the ability of reducing up to 50% plastic waste in its manufacturing with the 4D shape-shifting technology;
- In ClearX we have a team dedicated to provide technical and clinical support on the treatment plans and simulations reviews through our platform in different languages;
- We promotes annual courses on the practice with Clear Aligners, taught by the head of ClearX, Dr. Miguel Teixeira, with over 1000 cases concluded and ongoing;
- Complementary Products and Services are also provided by us such as model scanning, sending of templates, 1st aligner and whitening splints;
- We provide one of the most competitive prices inside the market of Invisible Aligners as long as a good support to our dentists making them more confident to use the ClearX in their clinics.



ClearX **Mission**

Overall, ClearX's mission is to transform the orthodontic experience for both practitioners and patients, combining innovation, sustainability, and patient-centricity to deliver superior orthodontics solution.



Accelerating the sustainability shift of the Clear Aligner industry.

While doing that, ClearX uses smart material to cut down 50% of Clear Aligner plastic & customize orthodontic treatments throughout the course of treatment for the first time in orthodontic history.

ClearX **benefits**

~50%
less plastic

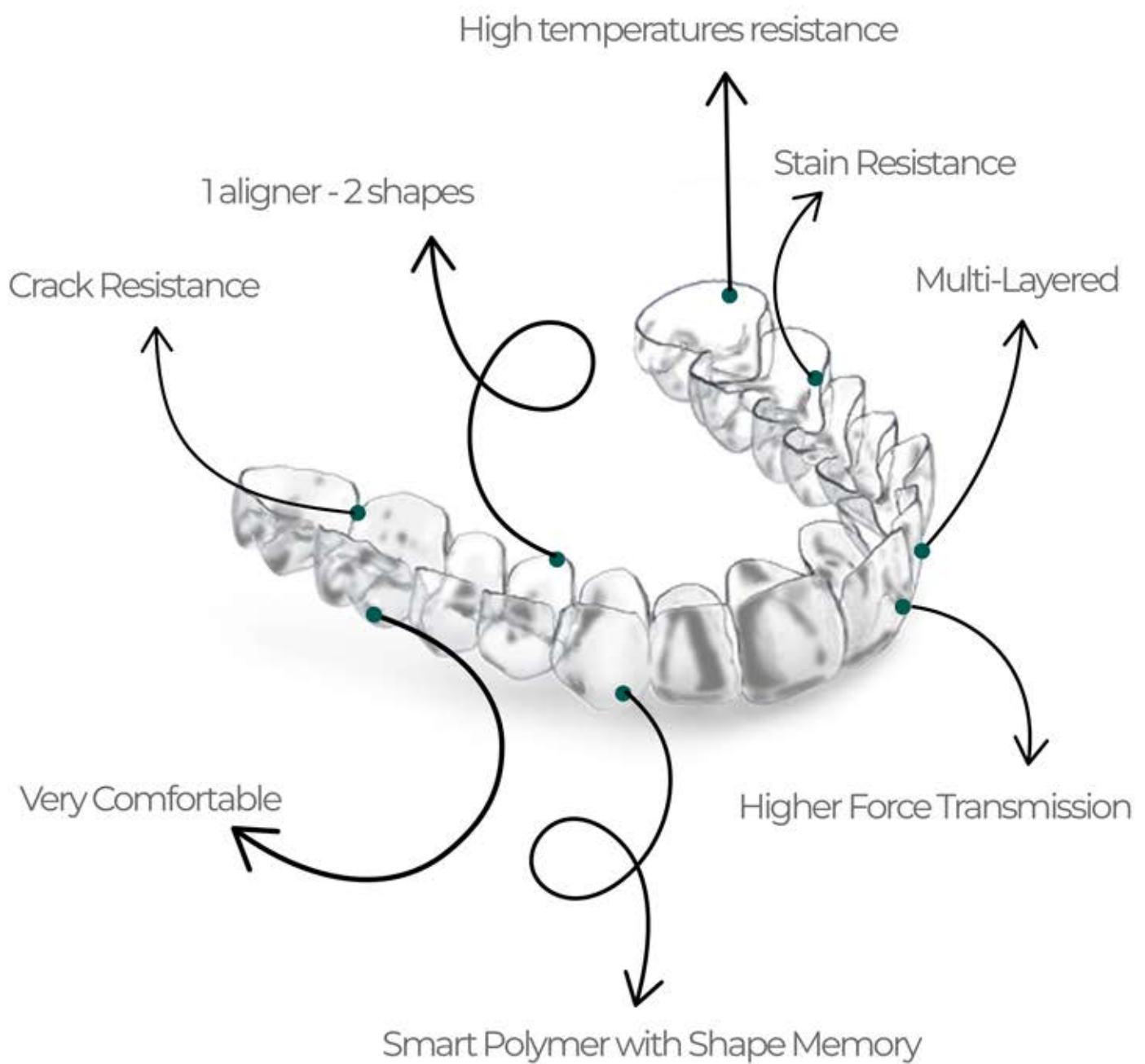
Less clear aligner count and 3D models per treatment

2x
customer engagement

Internal split study had proved patients being more engaged in the treatment



Aligner Properties



Features & Advantages



Accuracy
High Temperature exposure
allow the aligner to be
tighter to the teeth



Less Painful
Insertion of the ClearX Aligners
are less painful in comparison
to traditional aligner



Less Plastic
Less aligners produced

Aligners Traditional

24
MODELS
(PER ARCH)



0,8-1,0
mm PER MONTH



24
ALIGNERS
(PER ARCH)



12
ALIGNERS
(PER ARCH)



1 YEAR DURATION CASE
(TRADITIONAL ALIGNERS VS CLEARX)

Aligners ClearX

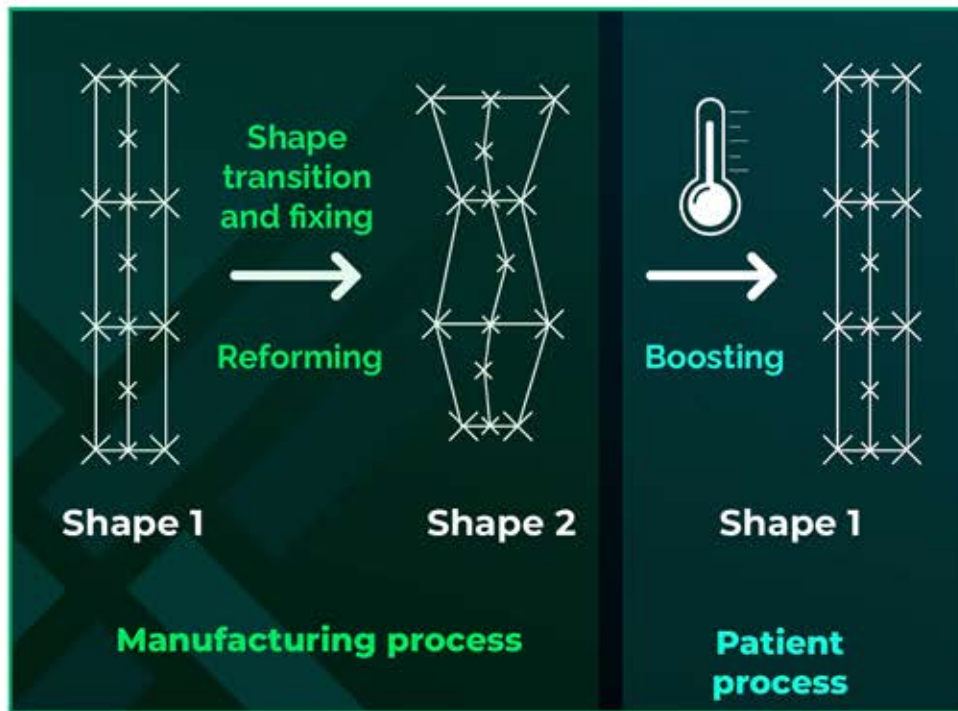
24
MODELS
(PER ARCH)



0,8-1,0
mm PER MONTH



4D Effect **Shape Shifting**

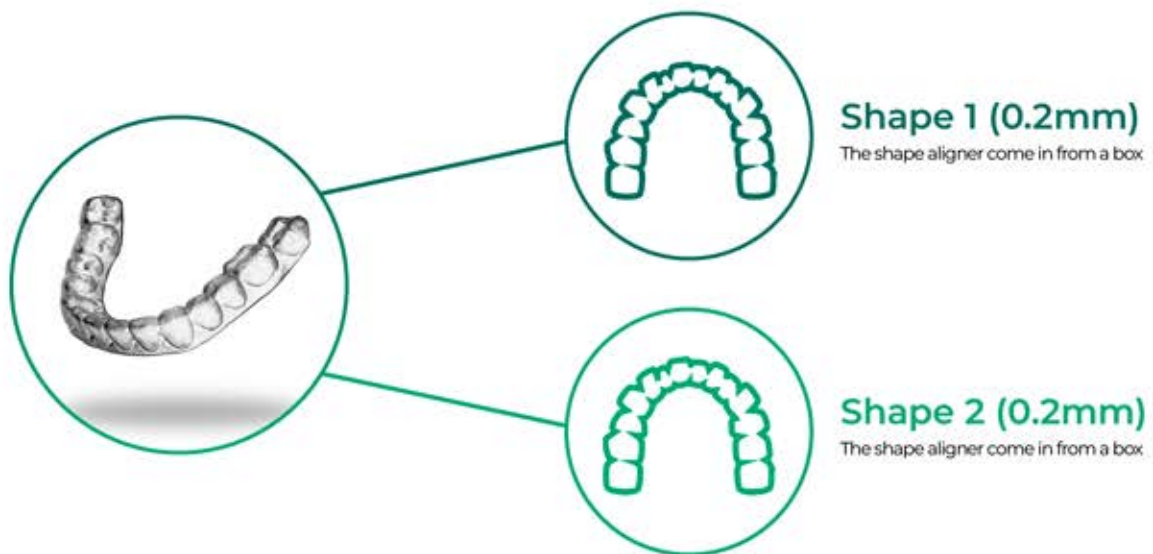


The **shape-shifting** technology operates based on the shape memory property inherent in a smart polymer. Initially, these materials assume a default configuration, known as **Shape 1**.

When heat is applied to raise the polymer above its transition temperature, it becomes flexible, enabling it to be shaped into a secondary configuration, identified as **Shape 2**. To solidify this new shape, the polymer is cooled below its transition temperature, effectively "locking" Shape 2 in position.

The transition from Shape 1 to Shape 2 is known as reforming. When the polymer is reheated in a process called **boosting**, its memory properties are **reactivated**, causing it to return to Shape 1. With this **advanced technology**, the polymer undergoes a reversible transformation between two distinct states.

Why **ClearX** is different?



1

Revolutionary Material science

ClearX's cutting-edge 4D shape-shifting technology, represents the first smart aligner that changes its shape.

2

High Precision

Precise tooth tracking due to the continuous aligner activation that regains material properties each week.

3

Engaging - ClearX Effect

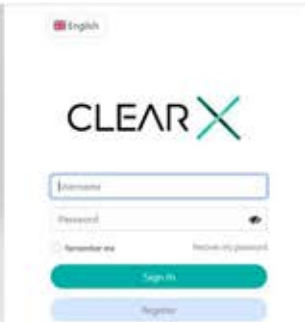
ClearX's treatment engages patients more than standard aligners, thus, elevating patient compliance.

4

Driving Sustainability

Decreasing 50% of the plastic and energy needed for clear aligner treatments.

Case Submission



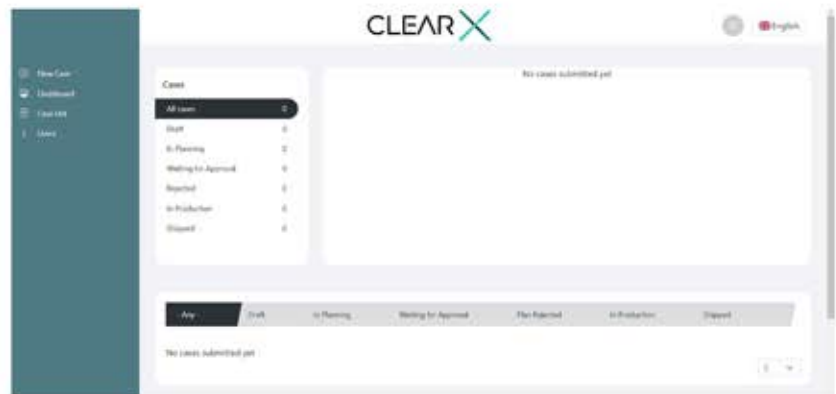
Login page and portal account registration.

Dynamic image representative of 4D ClearX aligners.

Available in several languages.

User Dashboard

Information displayed on list mode, table and graphs. Allows the user to have a complete view over his/her account and activity. Easy access to cases ongoing, finished, accepted or in draft mode.

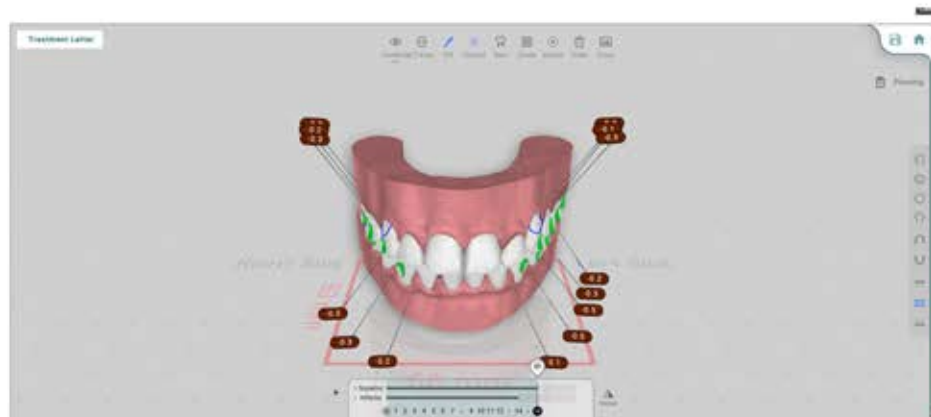


Submission Cases page

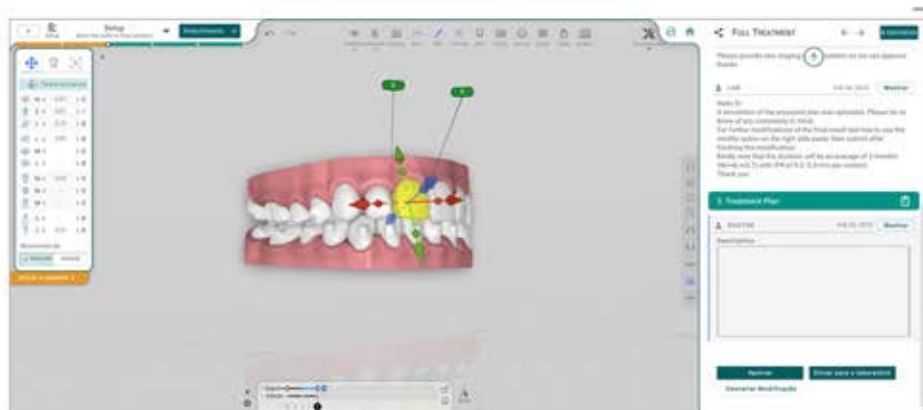
By selecting the "New Case" button, you will be directed to the page presented on the image on the left where you can submit all the information regarding your patient and your clinical approach in order to get the best treatment plan setup by our team of Orthodontists.



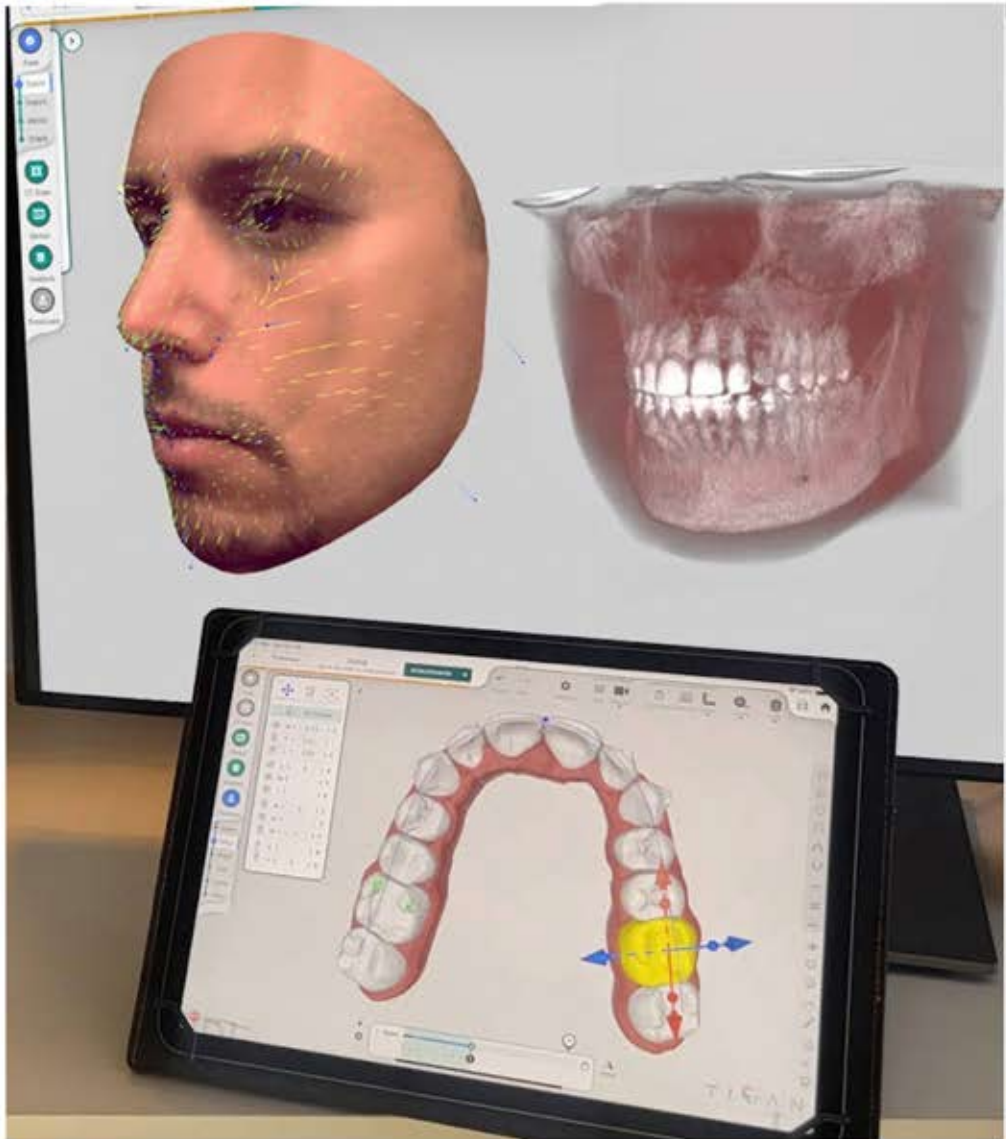
Titan Dental Design



Titan Dental Design is used by ClearX to effectively meet the needs of both, the user and the team. It offers numerous functionalities, including modifications through 3D controls, manipulation of the treatment plan staging and constant and free updates. These updates expand libraries for attachments, buttons and cutouts. The software enables precise and real-time monitoring of the movement of each tooth at every step of the treatment, ensuring accuracy and clarity throughout the process.



Titan Dental Design



The software also allows integration with CBCT and facial scanners, which can even be performed using a smartphone or tablet. This enables the visualization of the occlusal plane according to the arch of the smile, as well as the movement of the roots to create space for implants and/or dental verticalization.

Patient's Journey

Ok, let's start!

Step 1



Preparing your aligners

Carefully place your ClearX aligners into the booster (open side up) using the tweezers provided.

Step 2

Add some heat!

Boil a kettle of water. Once boiled immediately pour hot water into the booster up to the max fill line. Ensure that your ClearX aligners are fully submerged.



Step 3



Give it some time

Close the lid of your ClearX booster to maintain the optimal temperature and wait 10 minutes.

Step 4

The big reveal

Open the lid of your booster carefully and gently remove your ClearX aligners using the tweezers provided.




Step 5



Chill out!

Rest your ClearX aligners in your ClearX aligner case to cool down. Once cooled, your aligners are ready to use.




Doctor Pricing List

	 SIMPLE 0-4 months	 MODERATE 5-10 months	 MAX 10+ months
 1 arch	\$465	\$705	\$1140
 2 arches	\$630	\$890	
 Refinement (included)	1	2	Unlimited
 Refinement (extra)	\$55	\$130	
T&C	<ul style="list-style-type: none"> The extra refinement cost includes the full cost for whatever number of aligners for refinements needed apart from the included refinement Retainers are not subjected to boosting like aligners Each case includes one set of retainers As soon as the retainers are shipped the case is considered close Treatment plan modifications are free For a each retainer set costs \$40 per set Prices above don't include shipping charges to the shipping destination 		

Prices in USD, excluding VAT and shipment

ClearX Treatment Types

ClearX offers a comprehensive range of treatments delivering exceptional results across various complexities of cases.

 SIMPLE 0-4 months	 MODERATE 5-10 months	 MAX > 10 months
Orthodontic treatment relapses. Aesthetic treatments (Social Six). Mild Hybrid treatments. Slight crowding/spacing. Overjet/overbite improvement.	Class I, II and III mild sagittal corrections. Pre-restoration corrections. Hybrid treatments. Moderate crowding/spacing. Predictable tip, torque, and rotation corrections. Moderate overbite, overjet and crossbite corrections.	Complex cases Class I, II and III sagittal, transverse and vertical corrections. Severe crowding/spacing. Extractions. Deep bite, open bite and crossbite corrections.
1 free refinement included	2 free refinements included	Unlimited refinement included



CONTACTS



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Clinical Cases



Case 1 - Initial Stage

Initial case in class I with a normal shaped arch, in which we have crowding in the upper and lower arch and a discrepancy of Bolton specially in the upper centrals relating to the laterals. It is a case in the need of expansion, alignment and IPR in the anterior area so the teeth can fit into the arch.

Clinical Cases



Case 1 - Refinement Stage

We enter in the refinement stage with a good alignment achieved through some expansion, the distal faces of the upper central incisors remain unaligned with the upper laterals with the same registered in the lower arch between 42 and 43.

Clinical Cases



Case 1 - Final Stage

The case is finished with excellent alignment in the upper and lower arches, incorporating teeth whitening and feldspathic veneers on the upper laterals due to their disproportional dimensions compared to the centrals. The case concludes harmoniously, with centered midlines and respective retainers.

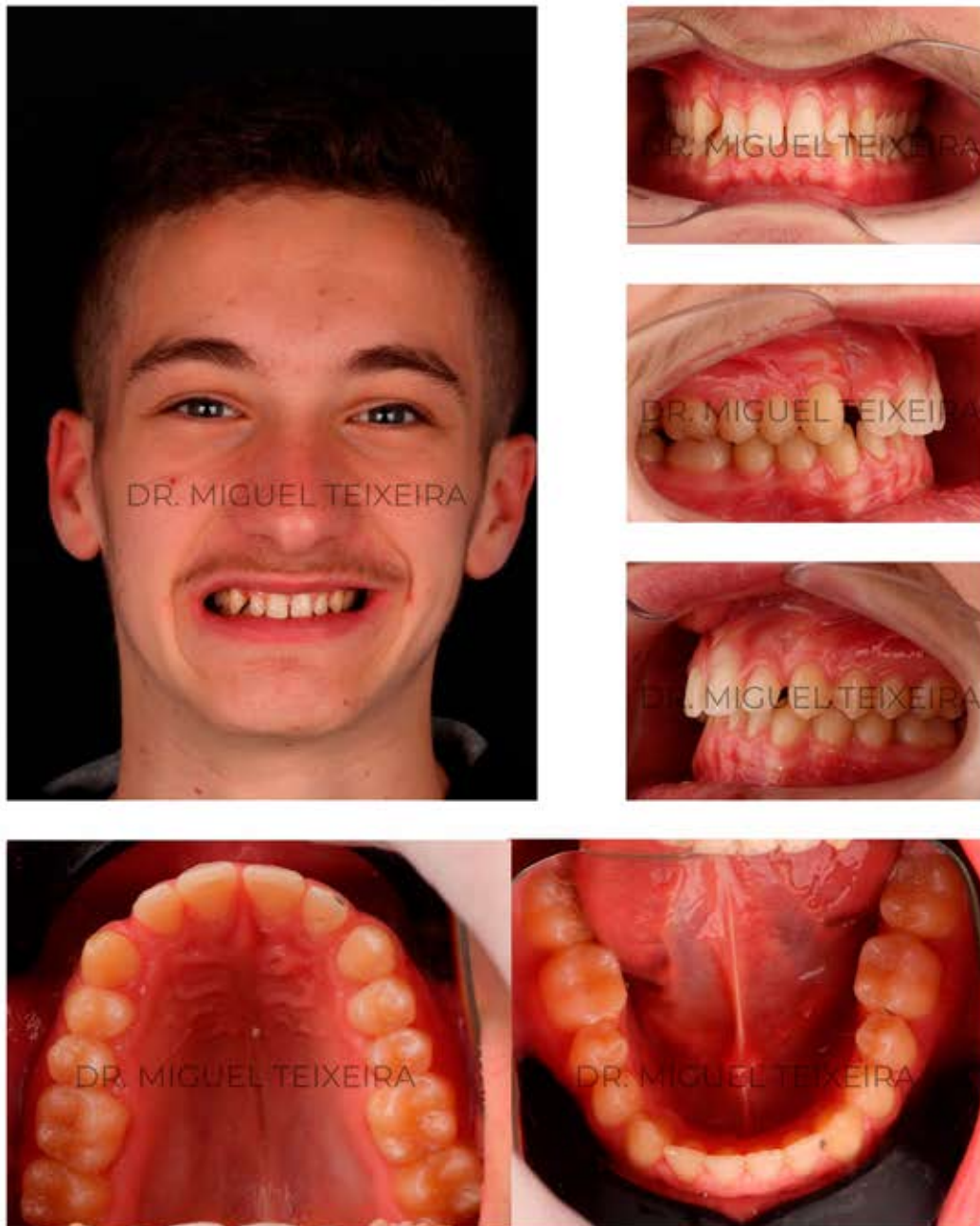
Clinical Cases



Case 2 - Initial Stage

The patient presents with bilateral Class II malocclusion, an ectopic canine, and crowding in both the upper and lower arches, along with an overbite. Therefore, we proceed to correct the Class II malocclusion and perform traction on tooth 13.

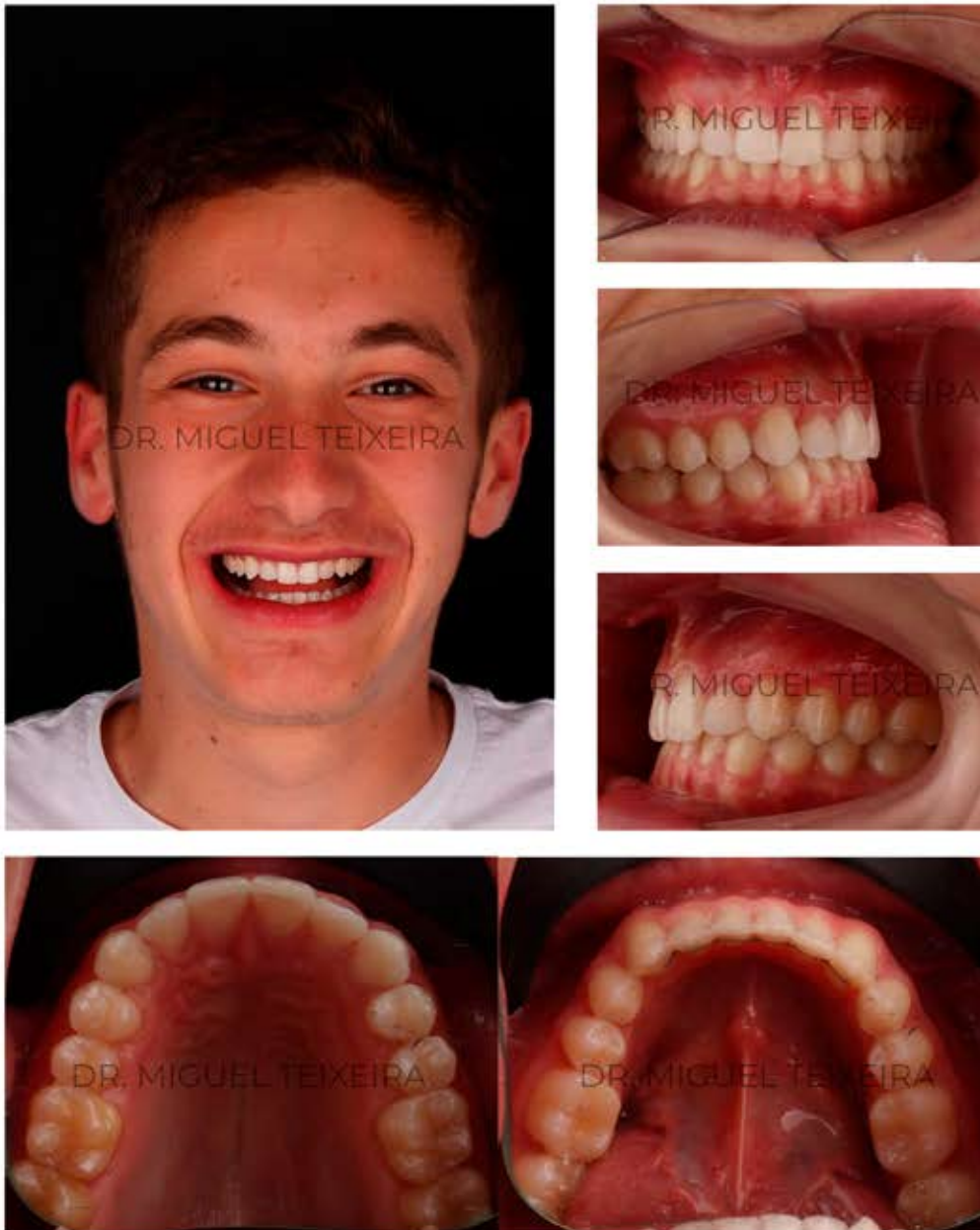
Clinical Cases



Case 2 - Refinement Stage

Entering the refinement phase, we were able to achieve bilateral Class I occlusion and perform traction on tooth 13, thus achieving better alignment in the anterior region. There was also a slight correction of the overbite; however, there are still present diastemas that will be corrected through their restoration, followed by subsequent retraction. We continue the treatment with arch expansion and seek to improve alignment further.

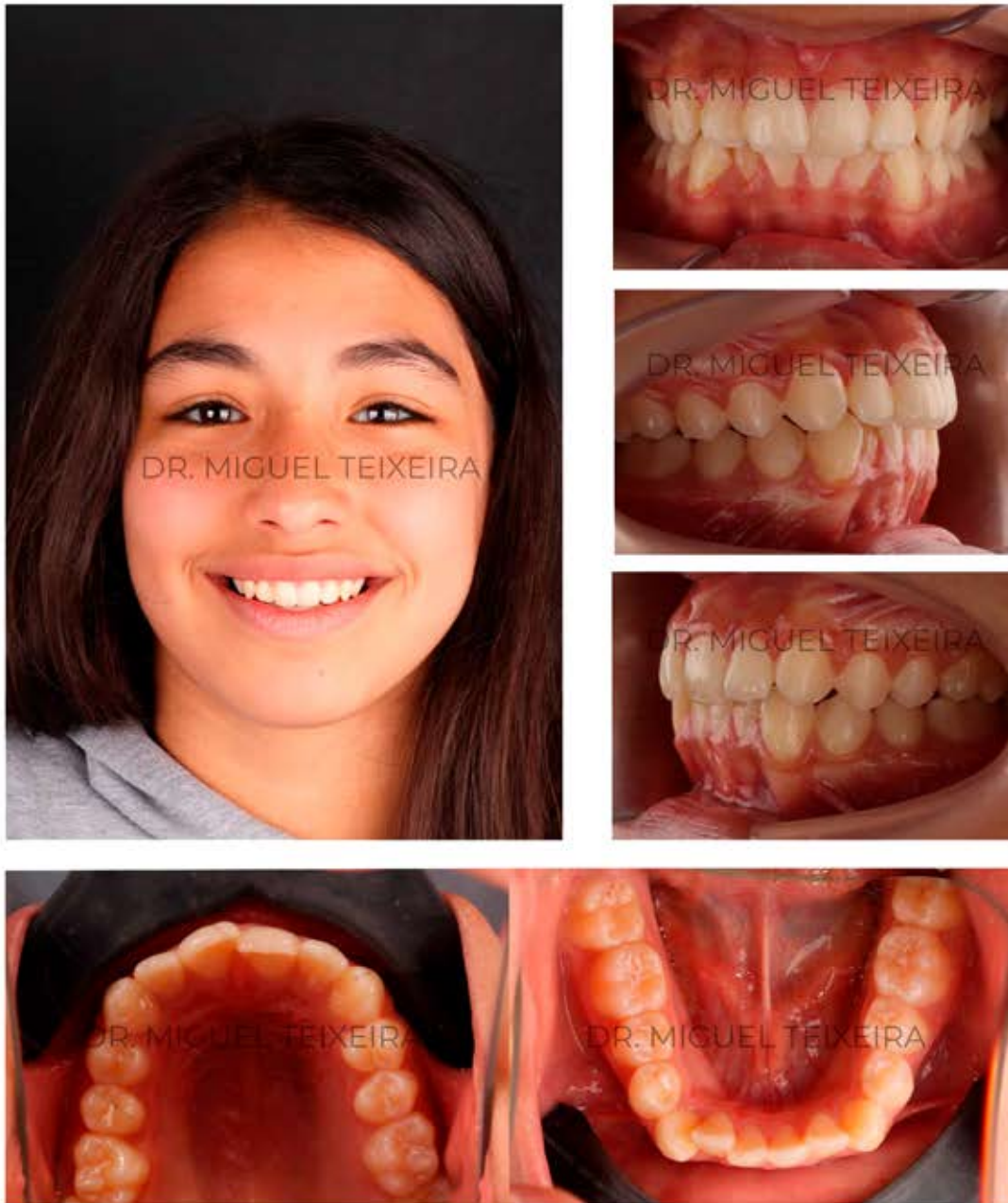
Clinical Cases



Case 2 - Final Stage

To conclude the case, we performed teeth whitening and restoration on teeth 13 to 23, along with the implementation of the respective upper and lower retainers, achieving an ideal outcome in this specific case.

Clinical Cases



Case 3 - Initial Stage

The patient presents with bilateral Class II 1/4 malocclusion with both upper and lower crowding and a normal arch form. The smile requires a slight expansion to reduce buccal black corridors. Therefore, we proceed with the first setup to initiate alignment in the upper and lower arches and correct the aforementioned aspects.

Clinical Cases



Case 3 - Refinement Stage

We entered a refinement period, with dental alignment nearly completed; however, the occlusion remained somewhat unstable, still exhibiting a Class II 1/4 on the left side. Therefore, we proceeded with correction using Interproximal Reduction (IPR), slightly expanding to achieve a parabolic arch form.

Clinical Cases



Case 3 - Final Stage

We concluded the case with the second setup, in which we only performed the upper and lower retainers and removed the attachments, thus completing the treatment. It is worth noting that the position of the second molars (7ths) could have been improved; however, this does not have any influence on lateral and protrusive movements.

Clinical Cases



Case 4 - Initial Stage

The patient presents with generalized periodontitis, notable presence of buccal corridors and diastemas in both upper and lower arches, along with bilateral Class II malocclusion. Correction was achieved through sequential distalization and the use of Class II elastics. We also corrected the alignment of the upper and lower teeth, as well as the patient's left deviation of the midline.

It's important to note that the patient is missing tooth 41, so our treatment plan was designed to align the upper midline with the center of the lower incisor midline.

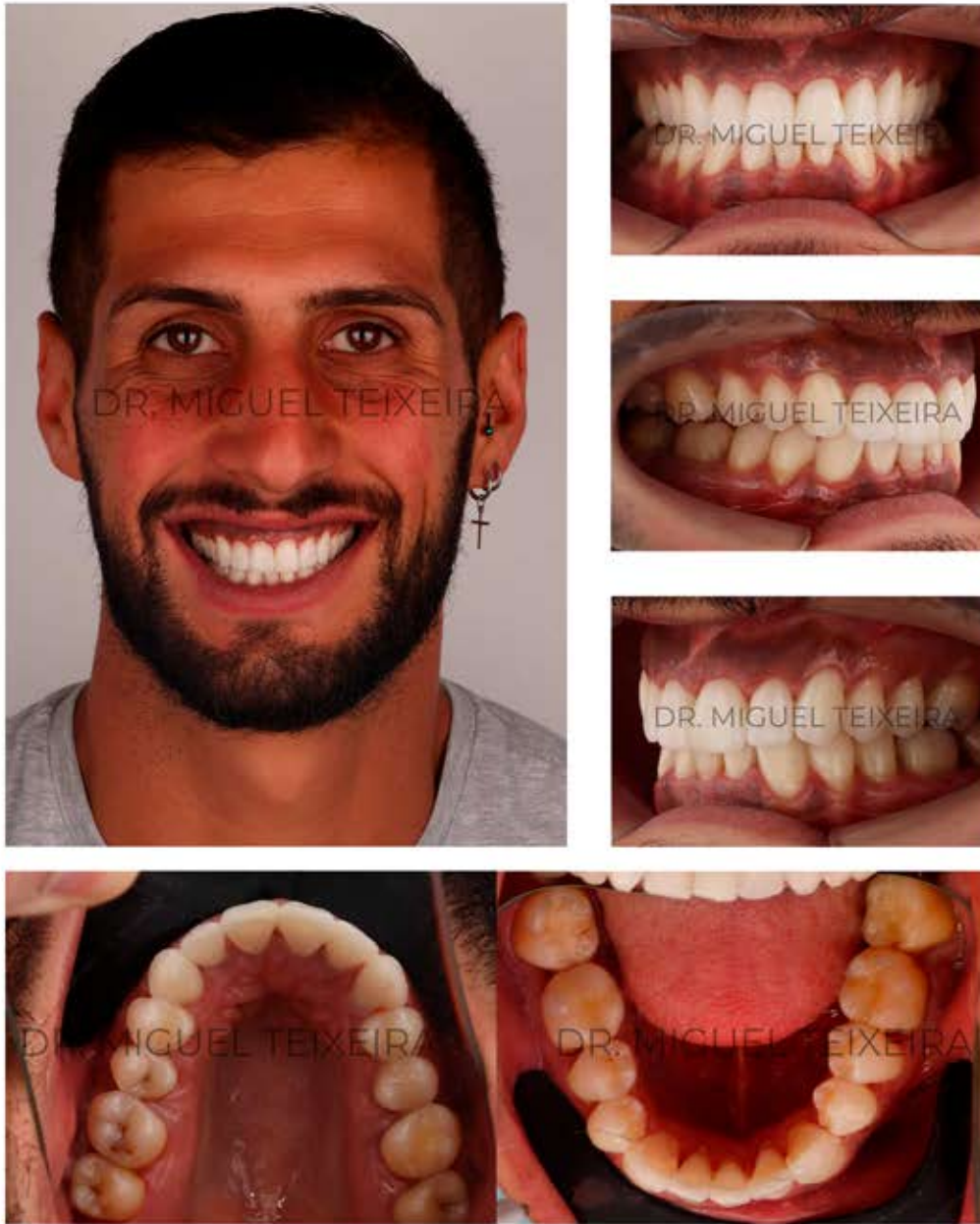
Clinical Cases



Case 4 - Refinement Stage

We entered a refinement period with some movements already achieved and expansion already performed. We continue to use buttons and elastics to correct the Class II and distribute the anterior diastemas so that, in the end, we can apply restorations to close them.

Clinical Cases



Case 4 - Final Stage

We entered the final phase and performed teeth whitening, six composite restorations from teeth 13 to 23, and the application of respective retainers. With this, we achieved a natural and harmonious appearance in the case, as well as a bilateral Class I relationship and correction of the upper midline.

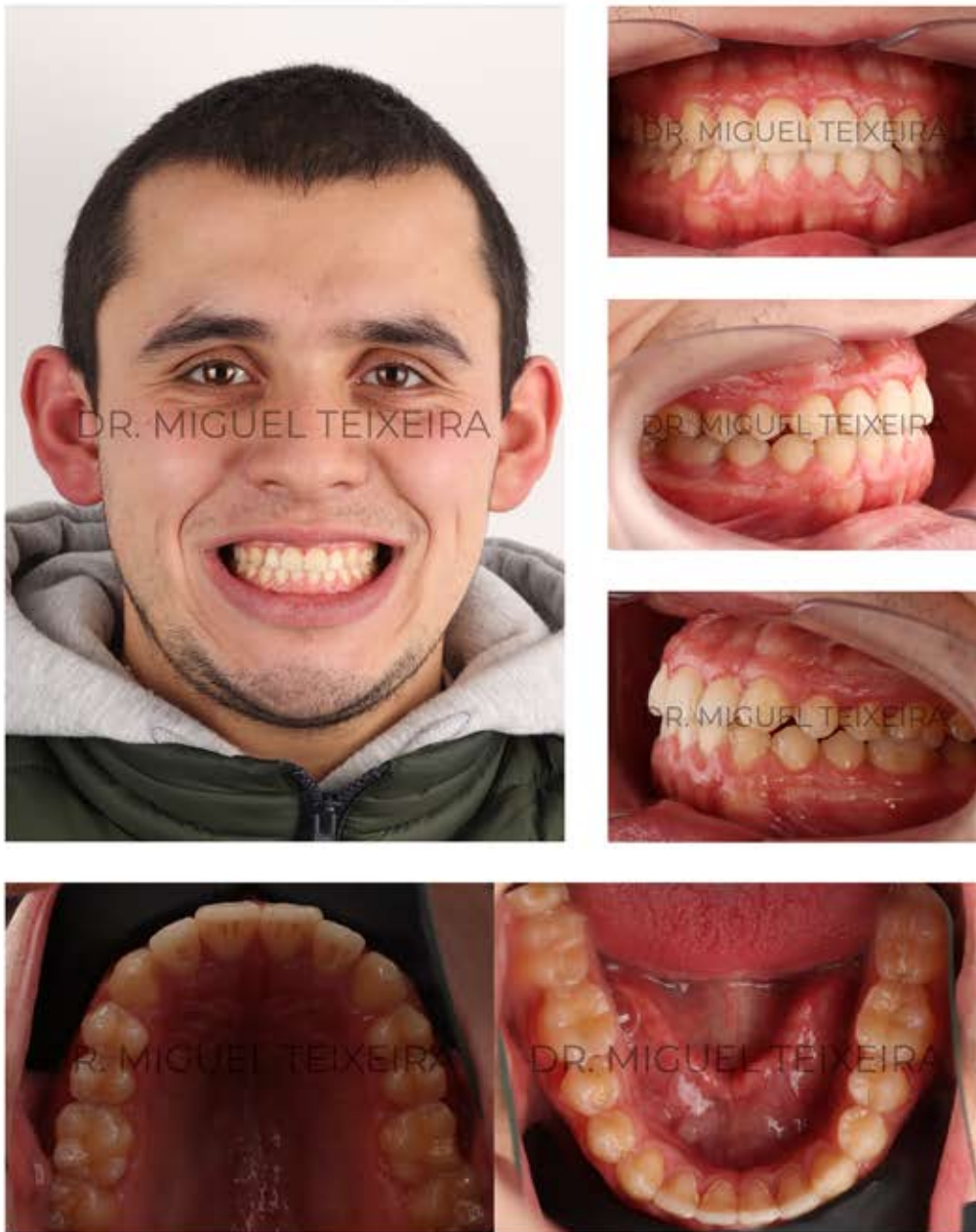
Clinical Cases



Case 5 - Initial Stage

The patient has an anterior crossbite with a tendency towards a class III skeletal profile, making it necessary to reduce the perimeter of the lower arch by aligning it and expanding the upper arch, uncrossing the bite.

Clinical Cases



Case 5 - Refinement Stage

We entered into the need to improve canine class I and continue to improve alignment.

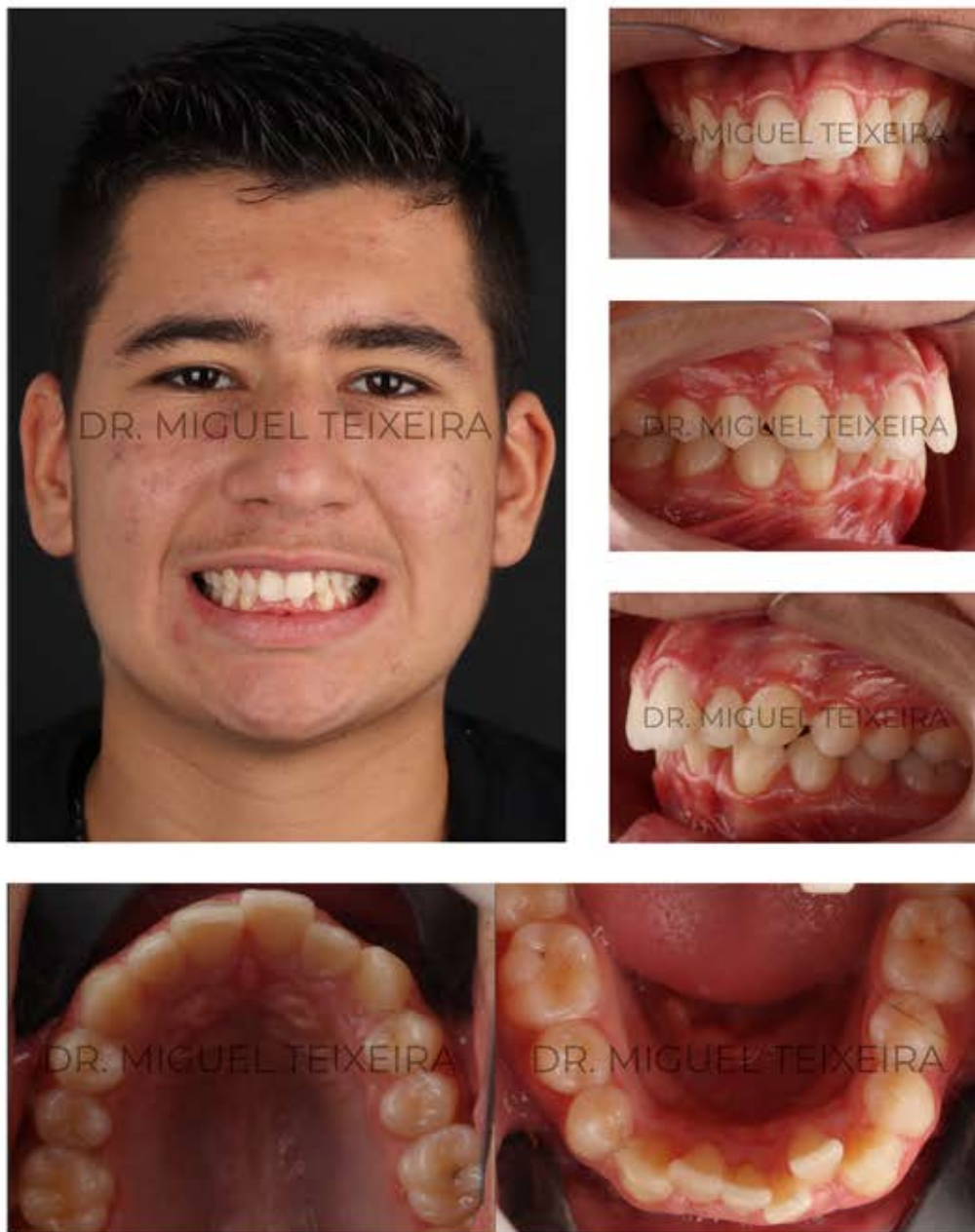
Clinical Cases



Case 5 - Final Stage

We consider the case aligned and finish with whitening to achieve the desired aesthetic result and respective retainers.

Clinical Cases



Case 6 - Initial Stage

Initial case in class I with a normal shaped arch, in which we have crowding in the upper and lower arch. It is a case in the need of expansion, alignment and IPR in the anterior area so the teeth can fit into the arch. Plus correction of the deep bite and the shape of the smile.

Clinical Cases



Case 6 - Refinement Stage

We enter in the refinement stage with a good alignment achieved through some expansion but still with improvements to do like reducing overjet, achieving a better Class I and improving alignment.

Clinical Cases



Case 6 - Final Stage

The case is finished with excellent alignment in the upper and lower arches, concludes harmoniously, with centered midlines and respective Class I.

Clinical Cases



Case 7 - Initial Stage

Initial case in Class I with a normal shape up arch, in which we have crowding in the upper and lower arch. It is a case in the need of expansion, alignment and IPR in the anterior area so the teeth can fit into the arch. Plus correction of the deep bite and the shape of the smile.

Clinical Cases



Case 7 - Final Stage

The case is finished with excellent alignment in the upper and lower arches, concludes harmoniously, with centered midlines and respective Class I. A bootstrap mechanic had to be done to extrude the tooth 33.

Clinical Cases



Case 8 - Initial Stage

This patient presents with a lip incompetence, as well as a protrusion of the upper anterior teeth.

Clinical Cases



Case 8 - Initial Stage

A diagnosis was made, and the patient began treatment with a hybrid mechanism, utilizing ClearX aligners and a Carriere Class II distalizer.

Clinical Cases



Case 8 - After some alignment and using carriere

After 3 months of using the Carriere device and aligners, we were able to achieve better alignment of the lower arch, as well as a reduced Class II relationship. The upper incisors began to move freely as space was created, and with the assistance of the lip, a slight retraction started to occur.

Clinical Cases



Case 8 - After carriere, before first refinement

After 6 months of using the Carriere device and aligners, we entered the refinement phase. At this stage, we are now improving the interdigitation of the teeth into Class I, as well as retruding and verticalizing the upper incisors.

Clinical Cases



Case 8 - After First Refinement

A second round of refinement was initiated to improve the left Class II relationship, as the arch, dental alignment, and occlusal plane are now nearly defined.

Clinical Cases



Case 8 - Final Stage

We have provided photos showing the difference between the initial and final profile to demonstrate that, through correct diagnosis and the appropriate mechanics, as well as the proper use of auxiliary devices, we have achieved excellent results, always under the supervision of a ClearX team member in case of any doubts.

Note that this case is still on going but we can see clearly amazing results.

ClearX + VENEERS



Case 9 - Initial photo, after ortho and result

In this case, ClearX aligners were used to do the orthodontic job in order to prepare the rehabilitation with crowns and veneers to get an amazing end result.

ClearX + VENEERS



Case 10 - Initial photo, after ortho and result

In this case, ClearX aligners were used to do the orthodontic job in order to prepare the rehabilitation with crowns and veneers to get an amazing end result.



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