



CASE'S Analysis and Design Report

DATE: 2023.10.14

KEY INFORMATION



1. Name : *** ** . Age : ** Sex : Female

2. Order : *** ** .

3. Bad habit : ****

4. HPI : ***

5. Family history : *****



OTHER INFORMATION NEEDED

1. Inquiry:

- Systemic disease
- Bad habit
- Already treatment
- Duration
- Family history 、 psychological guidance

2. Inspection:

- inside check: tooth count、 tooth shape 、 oral hygiene、 dental arch shape 、 occlusal status、 soft tissue lesions
- outside check : photograph 、 symmetric face、 proportion 、 overlength lowed 1/3

3. Auxiliary examination:

- Panoramic radiograph examination
- lateral cephalometrics
- CT

4. Other check:

- Model analysis
- TMJ check
- Muscular tension check

Inside check

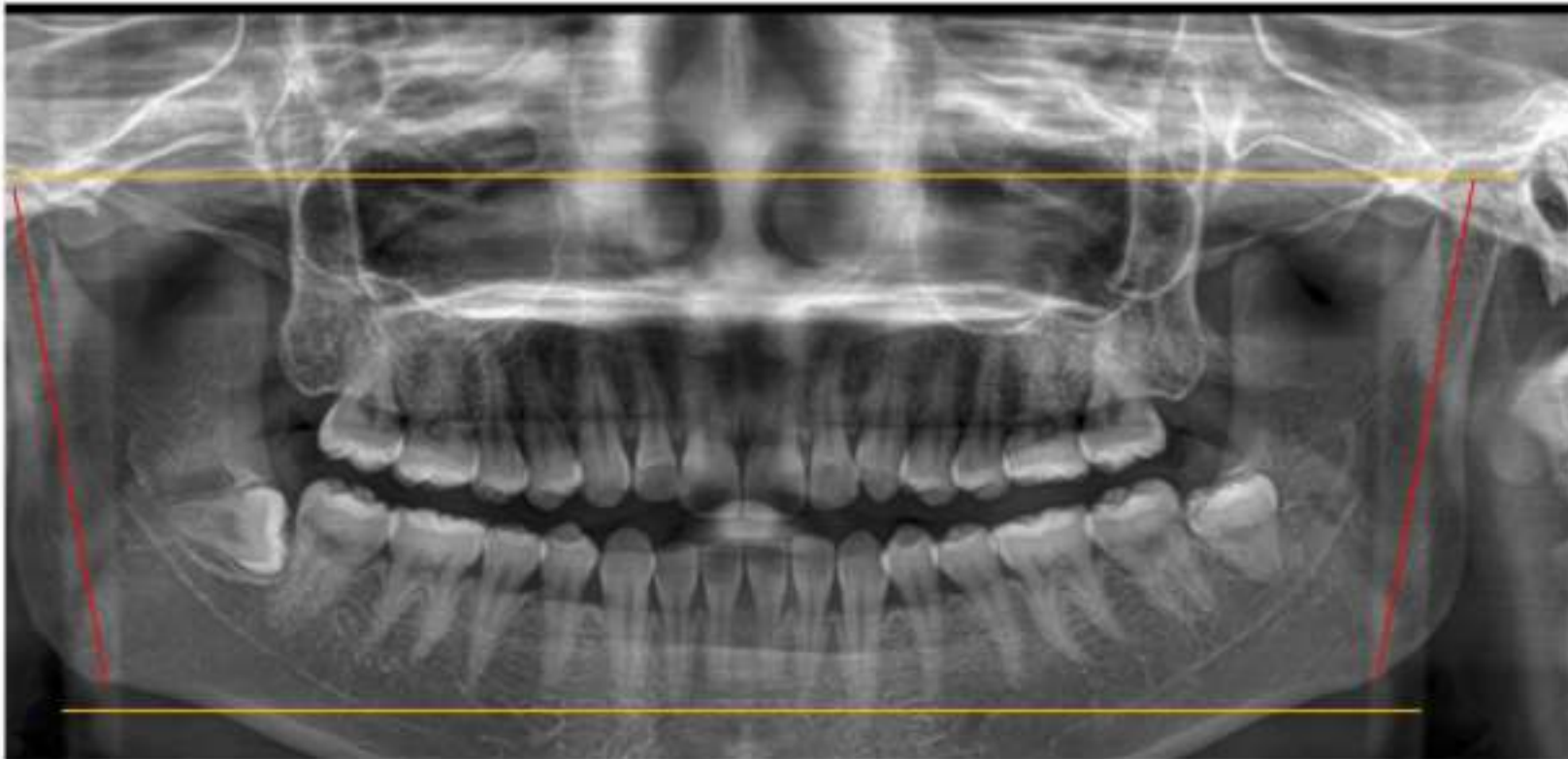


Outside check



Auxiliary examination

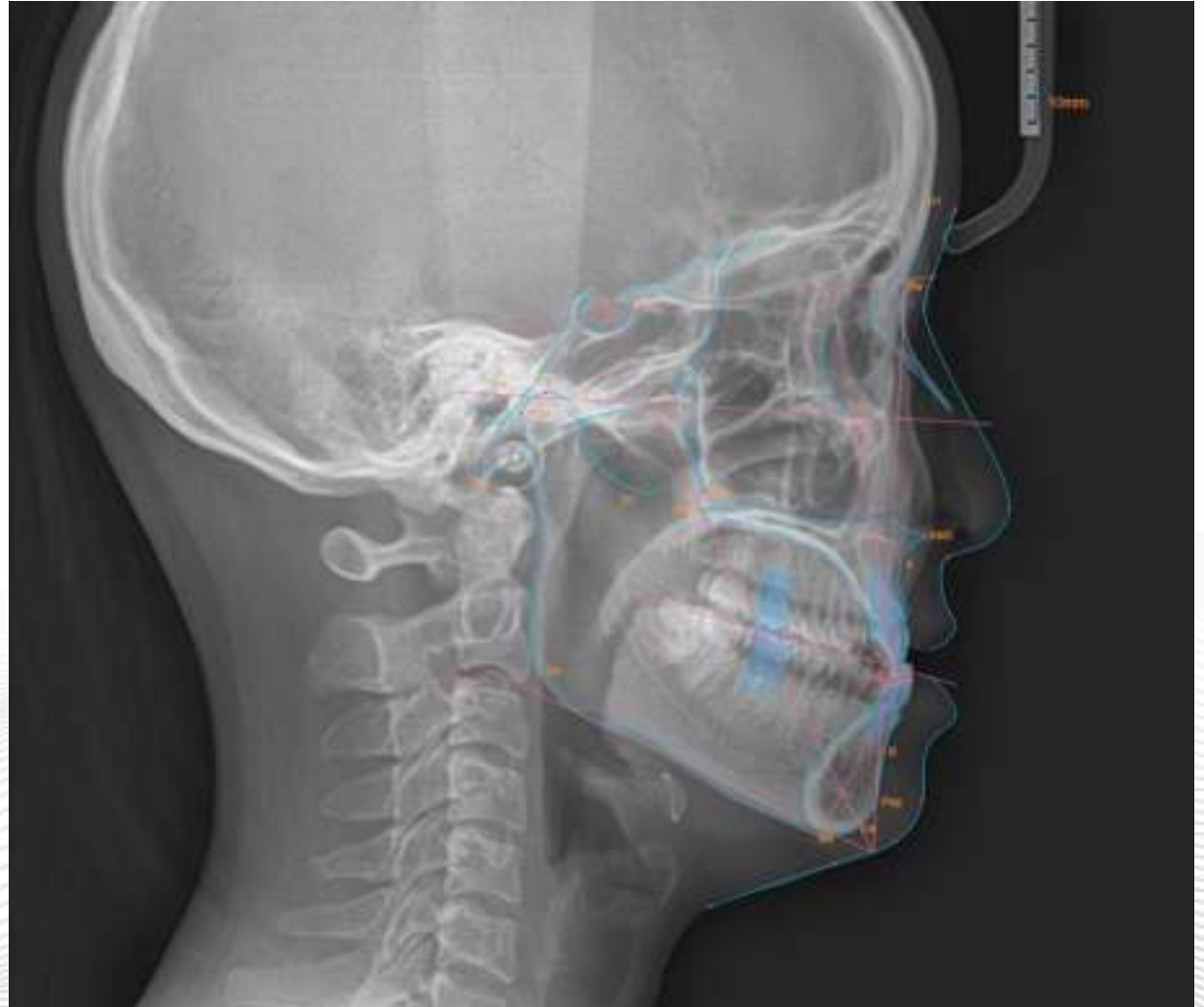
- Panoramic radiograph examination



Auxiliary examination

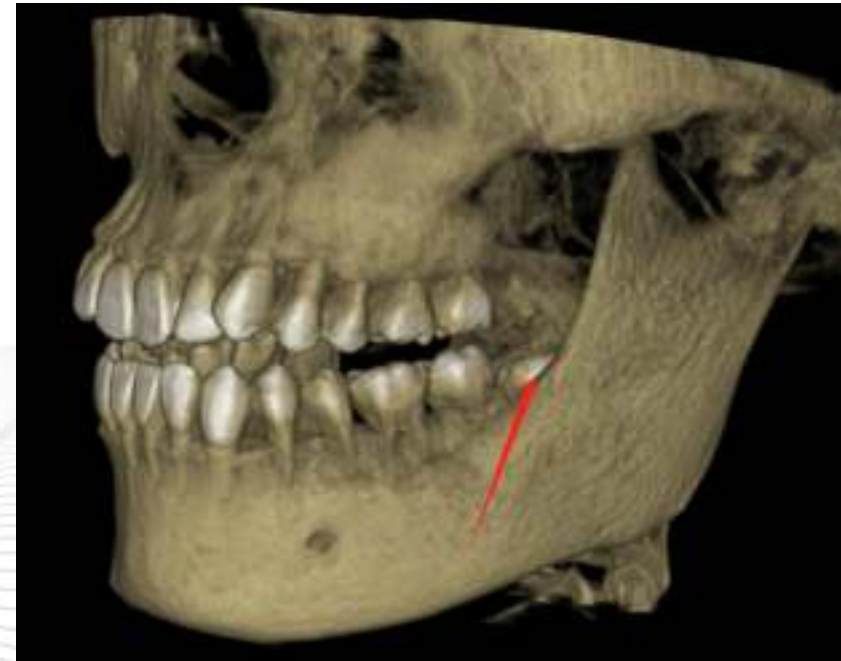
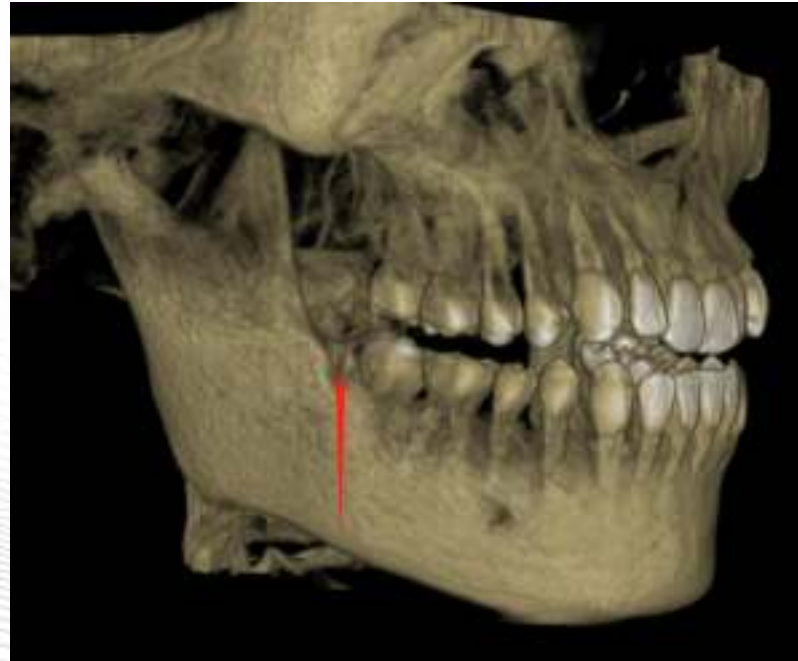
- Lateral cephalometrics

FH-NPo	90.1 [*]	85.4°(±3.7)
NA-APo	4.6	6.0°(±4.4)
AB-NPo	-1.9	-4.5°(±2.8)
FMA(MP-FH)	22.0	27.3°(±6.1)
SGn-FH	60.1 [*]	65.8°(±4.2)
OP-FH	12.2	12.4°(±4.4)
U1-L1	142.4 ^{**}	125.4°(±7.9)
L1-OP	102.4 [*]	111.6°(±6.0)
IMPA(L1-MP)	92.5	96.5°(±7.1)
U1-APo	1.7 ^{**}	7.2mm(±2.2)

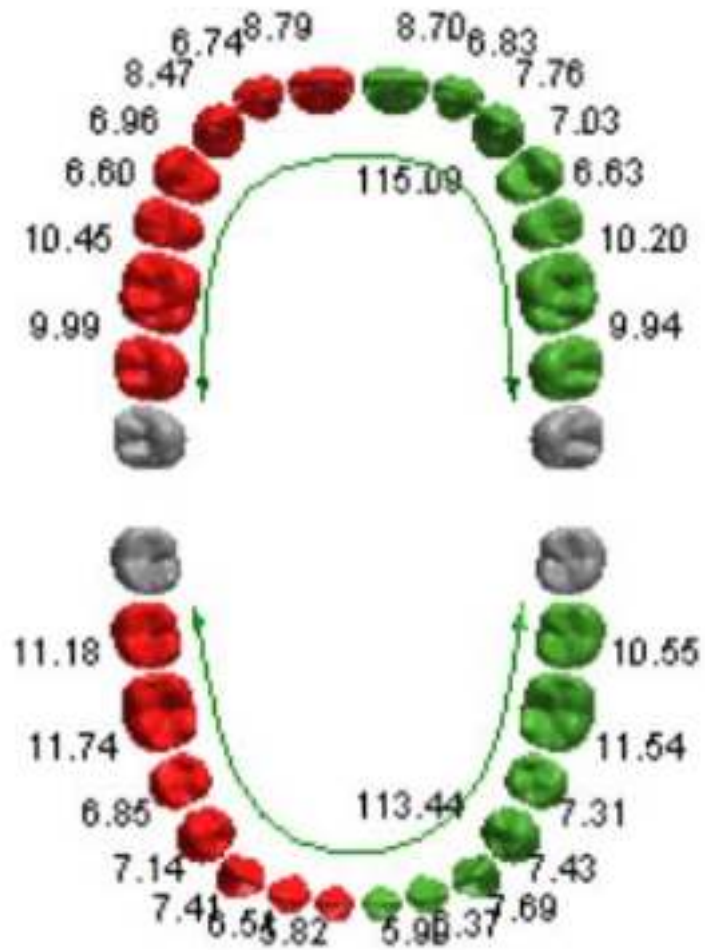


Auxiliary examination

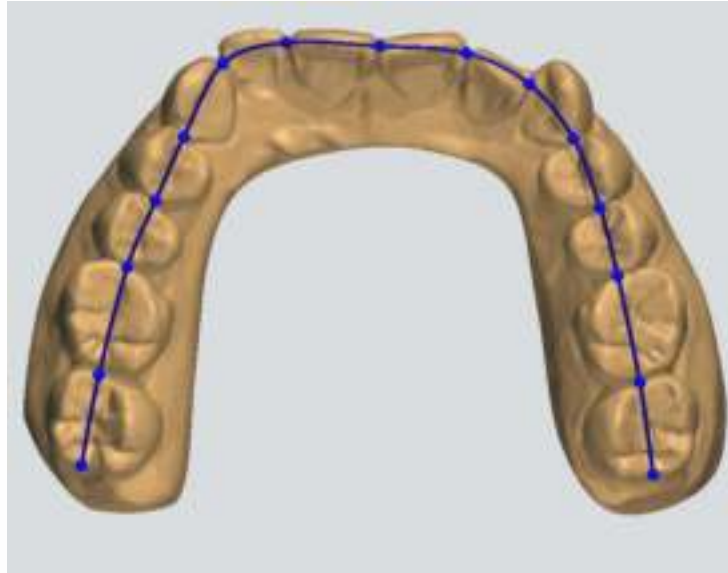
- CBCT



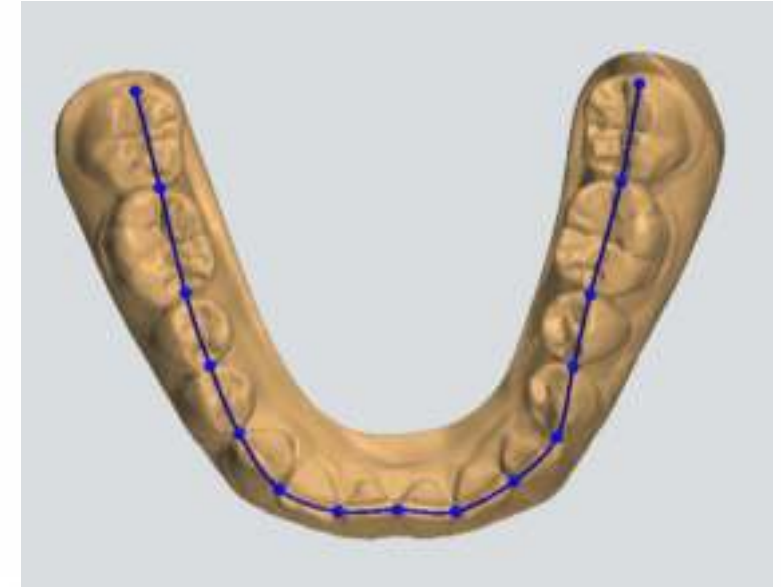
Model Analysis



Dental arch analysis



The current length of Maxillary arch :
110.30mm



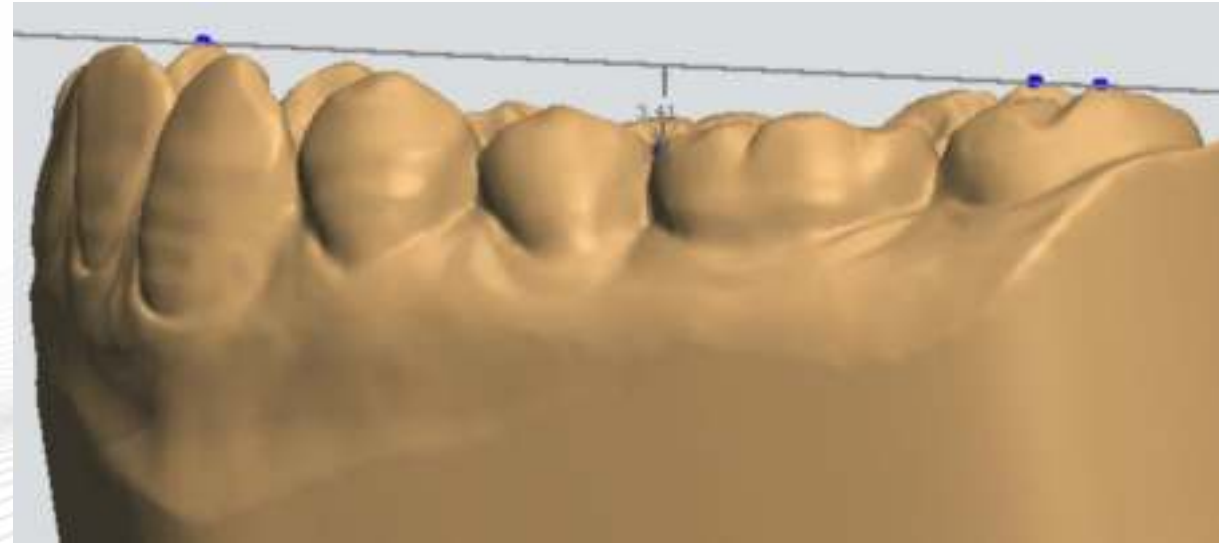
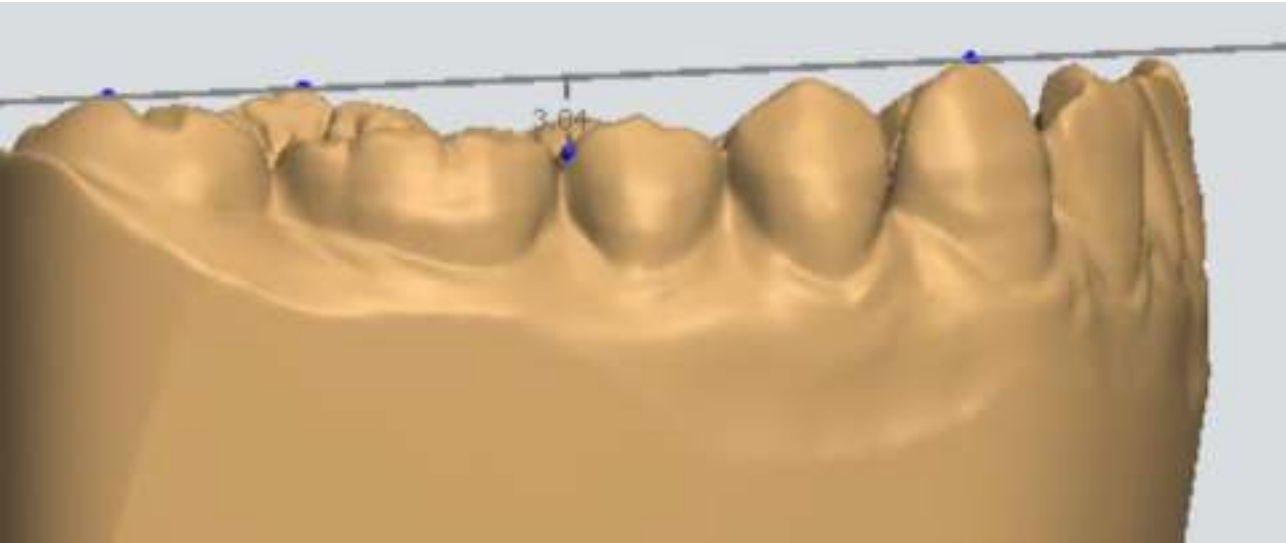
The current length of Mandibular arch :
107.24mm

(Maxillary) amount of crowded in dental arch = $115.09 - 110.30 = 4.79\text{mm}$

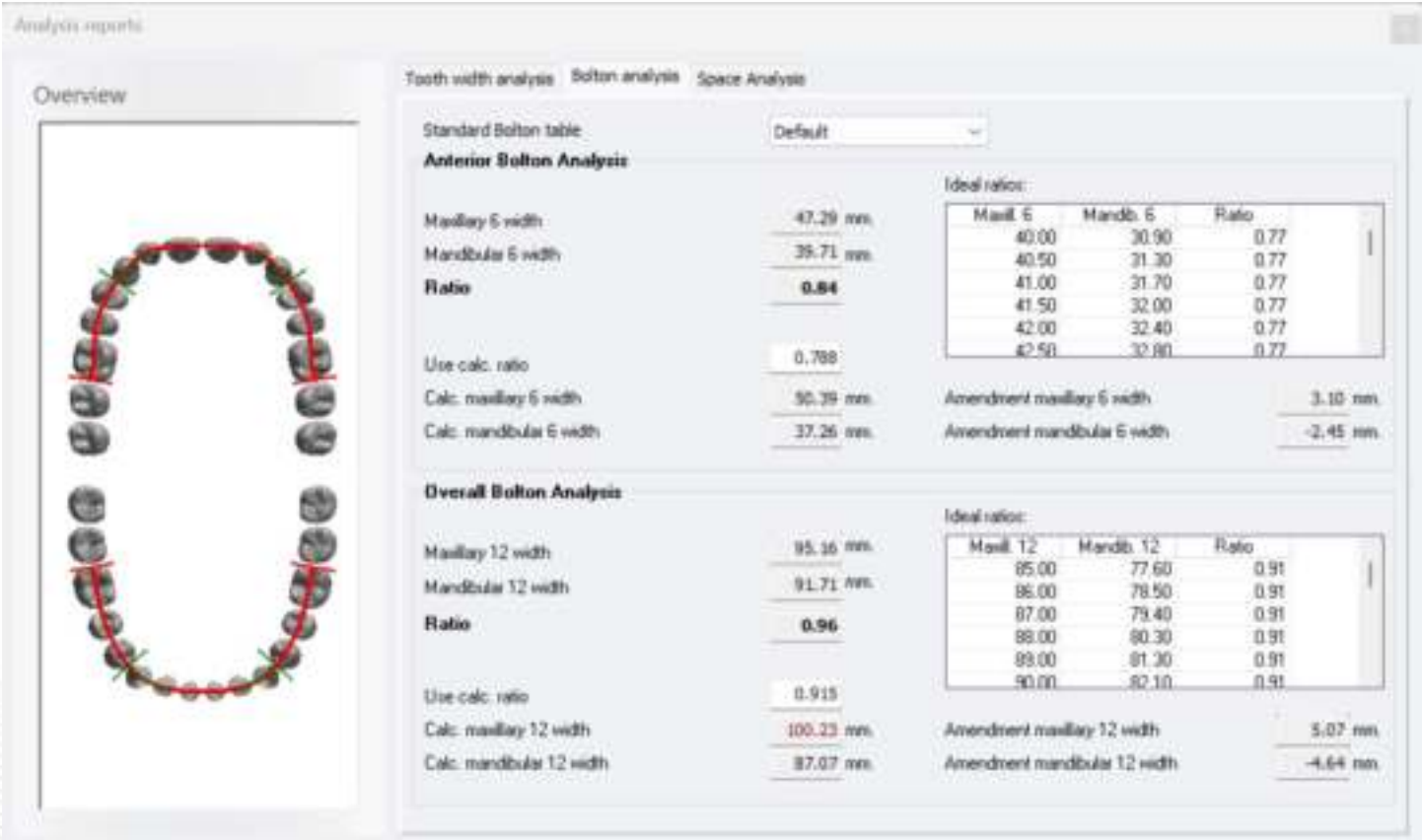
(Mandibular) amount of crowded in dental arch = $113.44 - 107.24 = 6.2\text{mm}$

Model Analysis

Cure of spee: $(3.04 + 3.41) / 2 + 0.5 = 3.725\text{mm}$



Bolton Analysis



Bolton Index	Normal Value	Measurement Value
Bolton6	78.8 $\pm$ 1.72%	84%
Bolton12	91.5 $\pm$ 1.51%	96%

Analysis:

The tooth width of the maxillary 3-3 and 6-6 is narrow.

Treatment Plan Description

- ① 15 steps for upper jaw and 15 steps for lower jaw
- ② PLip tilted maxillary anterior teeth
- ③ Mandibular anterior tooth slice cutting to set more lingual side

**Teeth movements overview—Subsetups count: UPPER 15
LOWER 15**

[illegible]

Model set Comparison

Before



After



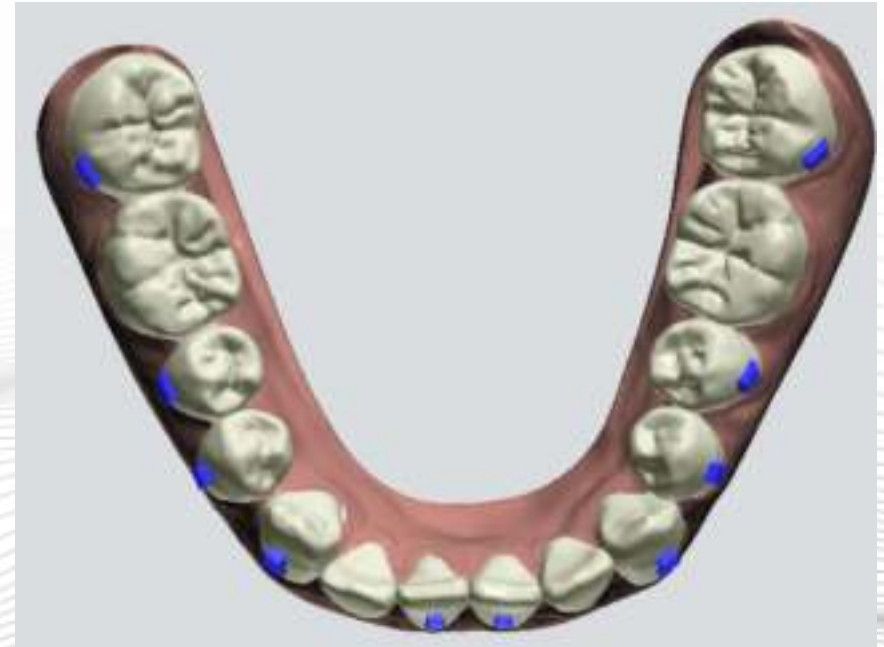
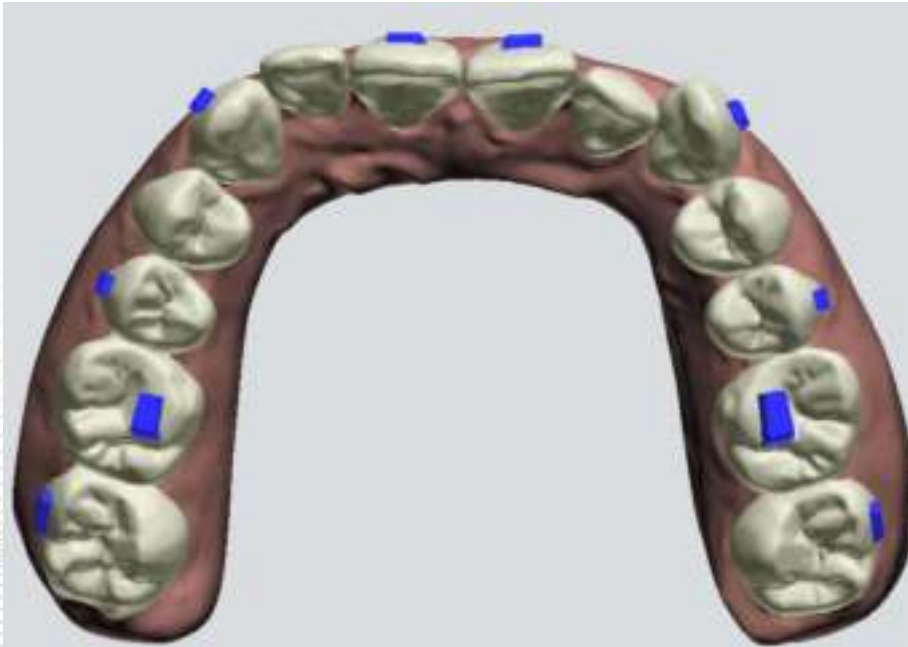
Model set Comparison

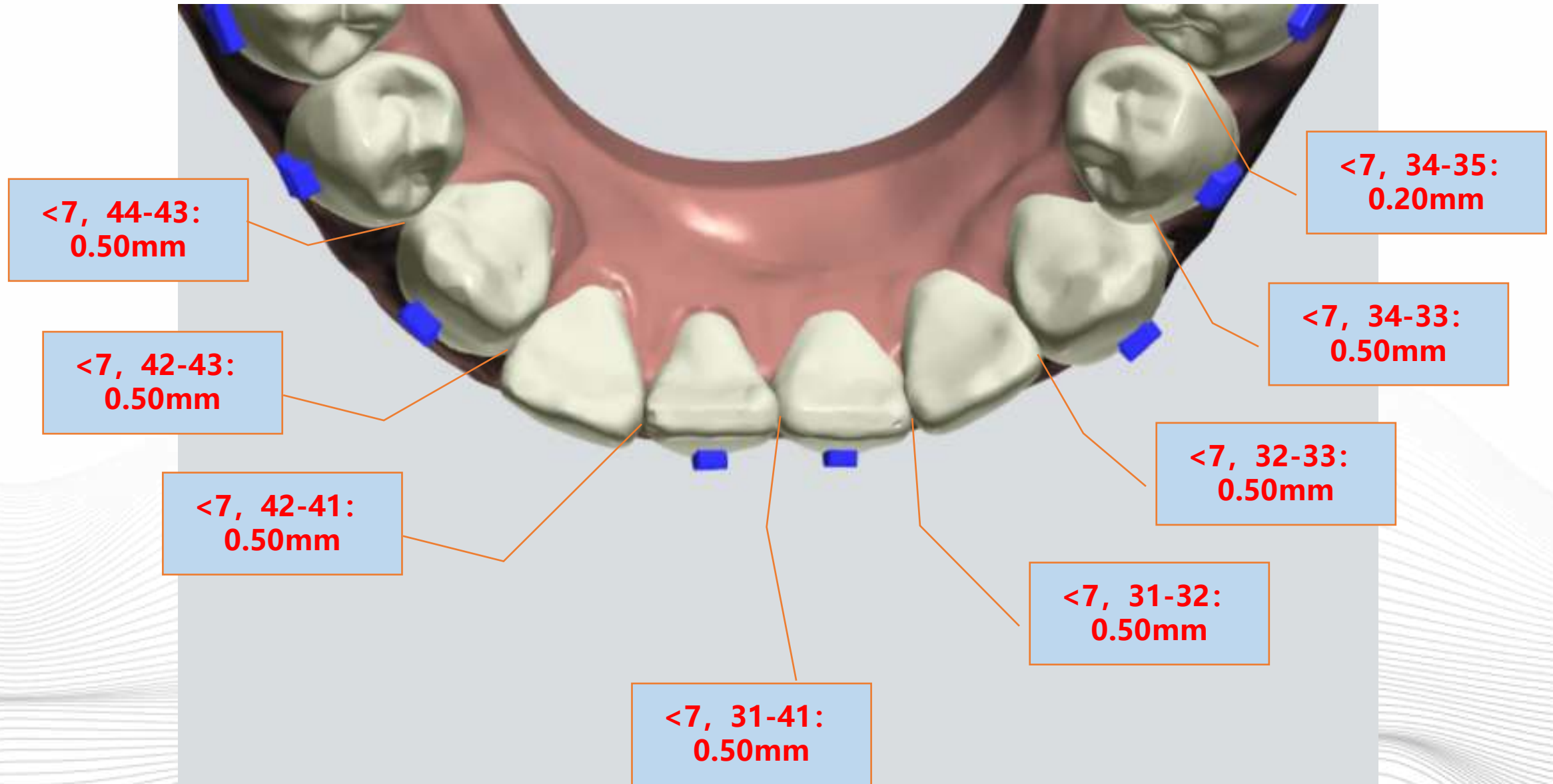


Attachment

0 is used as the template.

- ① 17、 15、 13、 11、 21、 23、 25、 27、 37、 35、 34、 33、 31、 41、 43、 44、 45、 47 teeth glued with attachment;
- ② occlusion attachment : 16、 26 , No need for glueing.

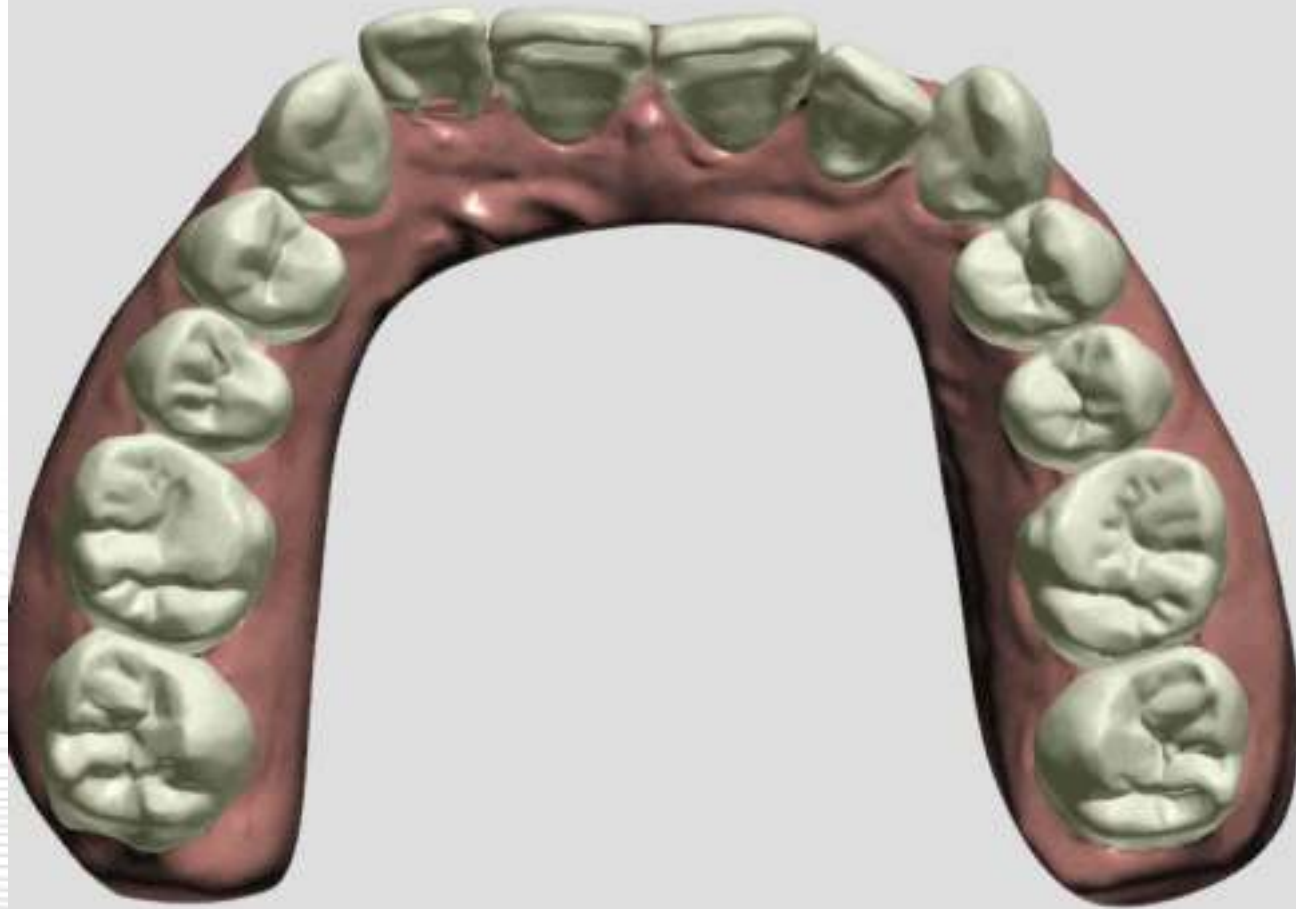




Animations

UPPER 15 Steps

Malocclusion



Animations

LOWER 15 Steps

Malocclusion



Animations

UPPER 15 Steps
LOWER 15 Steps

Malocclusion



Animations

UPPER 15 Steps
LOWER 15 Steps

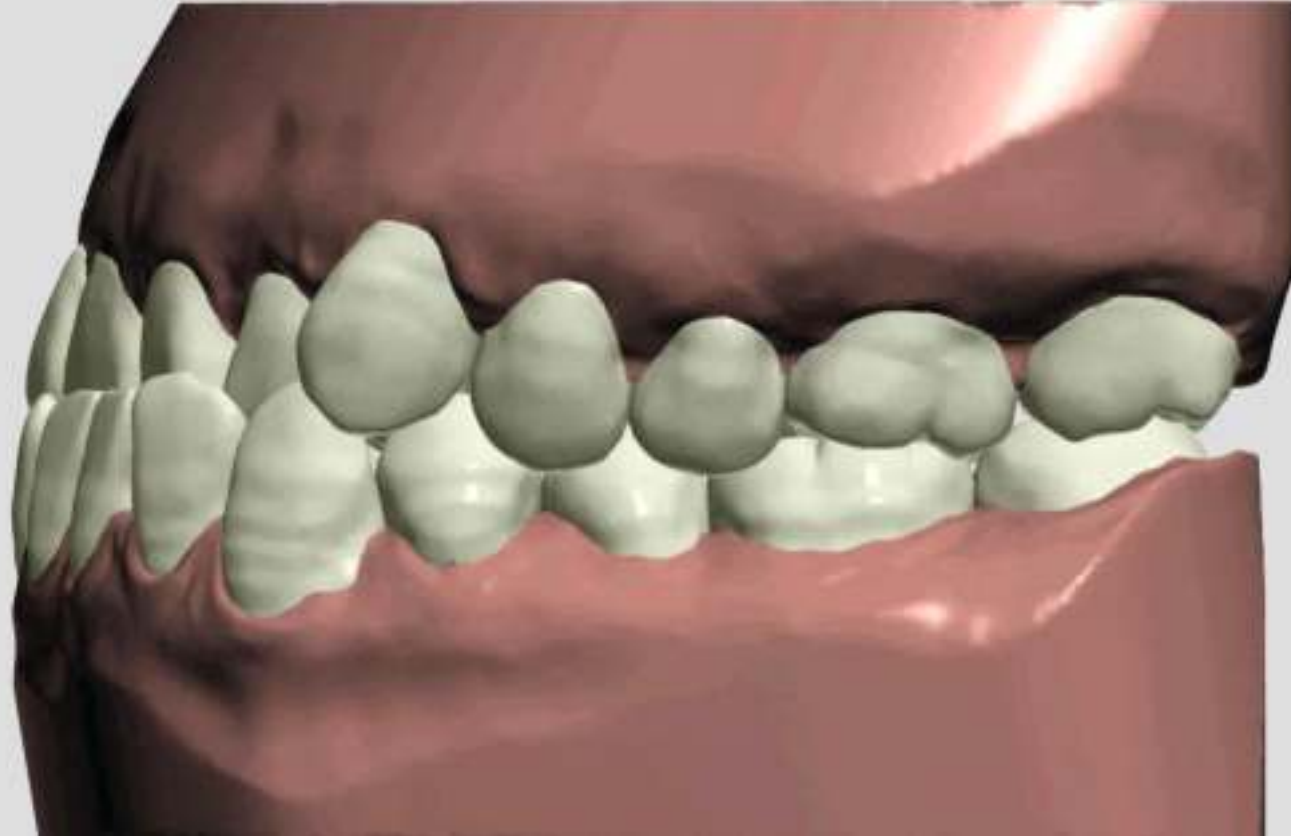
Malocclusion



Animations

UPPER 15 Steps
LOWER 15 Steps

Malocclusion



BEFORE & AFTER

Before 10/2023



After 03/2024



**Technology makes your smile
more confident.**

