



Comprehensive Case Presentation

Presented by :

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897

Under Supervision of :



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- Dr. Omar Alhuni.
- Dr. Malek Abdulmatlob.
- Dr. Khadiga Elfallah.
- Dr. Randa Elhassi.
- Dr. Nuha Elkadiki.
- Dr. Amal Elawami.
- Dr. Masoud Deihoum.
- Dr. Ali Bosnina.
- Dr. Asma Benhariz.

Personal Data

- Patient Name : H.M.F
- Date of birth : 14/1/1974
- Gender : Male
- Occupation : IT faculty member
- Address :Jamal-street/benghazi
- Nationality : Libyan



Chief complaint

Pain in the upper left backward side of the jaw started 1 week ago.

History of chief complain

Mild intermitted well localized dull pain that started when patient bite on the tooth and relived spontaniously after removal of stimuli, no analgesics were taking , doesn't disturb at sleep, no associated signs and symptoms.

➤ Medical History

- Medically fit with no past or current medical disease.
- Systemic review: **No abnormality detected**

➤ Drug History

- No medication was taken neither now or in the past.

➤ Allergic History

- There is no past or current known allergy

➤ Dental History

- Last visit : Four month ago.
- History of Extraction / Restoration / RCT **(with no complications)**.
- No abnormal, destructive habits.

➤ Family History

- Hypertension from father's side.

➤ Social History

- Married / have 2 child.
- Non smoker nor alcoholic.

Clinical Examination

➤ Extra Oral

- ✓ Face symmetry : symmetrical.
- ✓ Skin : Normal color, no scars.
- ✓ TMJ : Average mouth opening, No tenderness, clicking, deviation or dislocation detected.
- ✓ Lymph nodes : Not palpable.
- ✓ Lips : competent.
- ✓ Dental relation to facial mid line : coinciding.
- ✓ Facial profile : Straight.

Clinical Examination

➤ Intra Oral

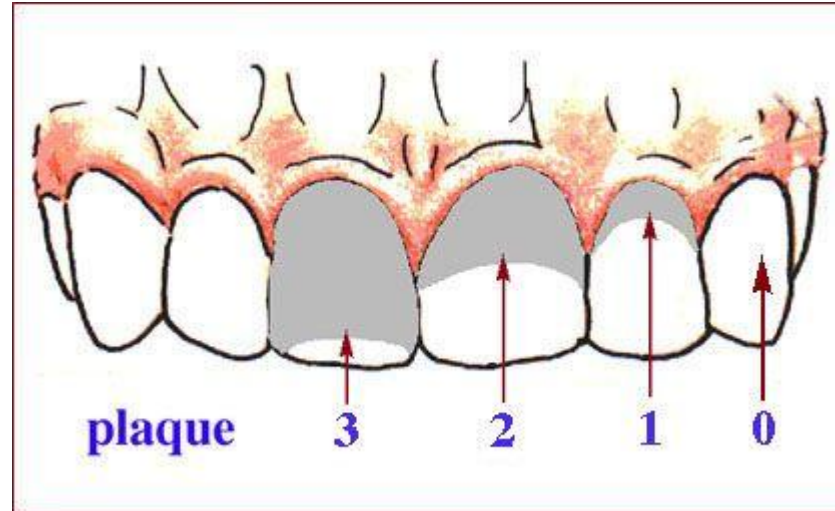
- ✓ Oral mucosa : Normal.
- ✓ Tongue and palate : Normal.

Clinical examination

Oral hygiene index-simplified.

Plaque

16	11	26
1	0	1
1	0	0
46	31	36



$$\text{OHI-S} = 0.5 + 0.3 = 0.8$$

Patient has good oral hygiene.

Calculus

16	11	26
0	0	0
1	0	1
46	31	36

Gingival Status

	Max. Right Posterior	Max. Anterior	Max. Left Posterior
Color	Pink	Red	Pink
Contour	Round edge with blunt IDP.	Round edge with blunt IDP.	Round edge with blunt IDP.
Size	No enlargement.	No enlargement.	No enlargement.
Consistency	Soft and edematous	Soft and edematous	Soft and edematous
Stippling	Absent	Absent	Absent
Position	At CEJ	At CEJ	At CEJ
Bleeding	Present	Present	Present
Exudation	Absent	Absent	Absent

Gingival Status

	Mand. Right Posterior	Mand. Anterior	Mand. Left Posterior
Color	Pink	Pink	Pink
Contour	Round edge with blunt IDP.	Round edge with blunt IDP.	Round edge with blunt IDP.
Size	No enlargement.	No enlargement.	No enlargement.
Consistency	Soft and edematous	Soft and edematous	Soft and edematous
Stippling	Absent	Absent	Absent
Position	At CEJ	At CEJ	Coronal CEJ
Bleeding	Present	Present	Present
Exudation	Absent	Absent	Absent

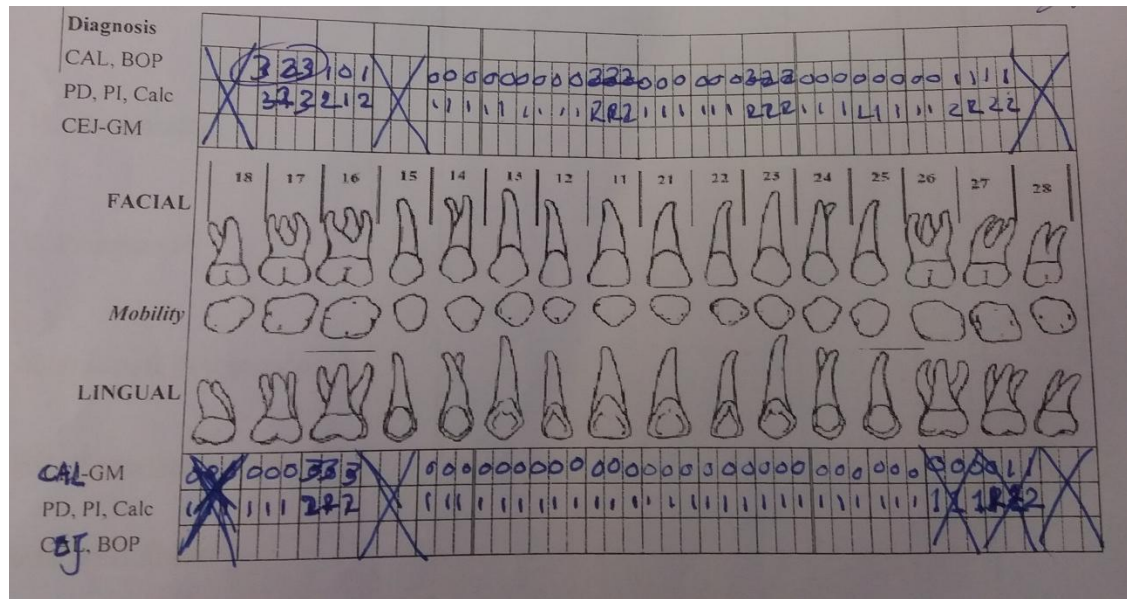
Gingival Status



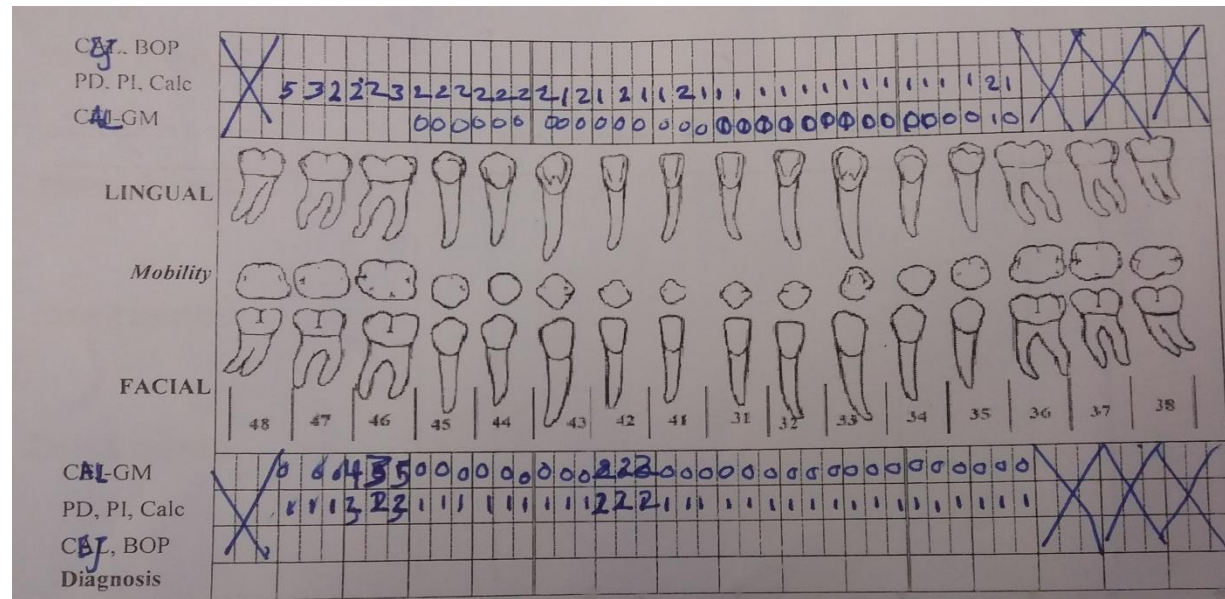
- Frenal attachment : Normal.
- Fermitus test : -ve.
- Attached gingiva : Adequate (4mm).

Periodontal status

Upper arch



Lower arch



Periodontal finding :

Clinical attachment loss generally is : 2-3mm

No mobility

No furcation involvement.

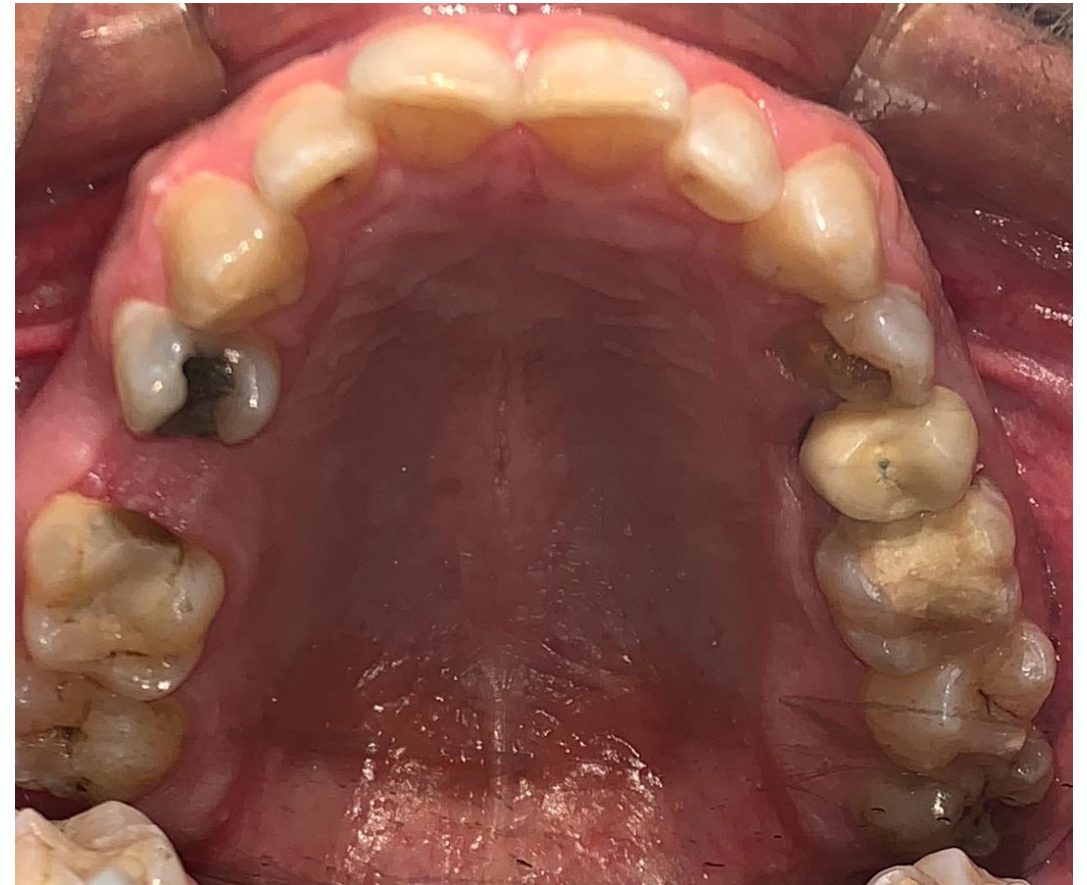
Diagnosis: chronic localized mild periodontitis.

Overall prognosis: Good.

Hard Tissue Examinations

➤ Upper Arch

M	D	D	RR	F							D		F	D	D
8UR	7	6	5	4	3	2	1	1	2	3	4	5	6	7	8UL



Hard Tissue Examinations

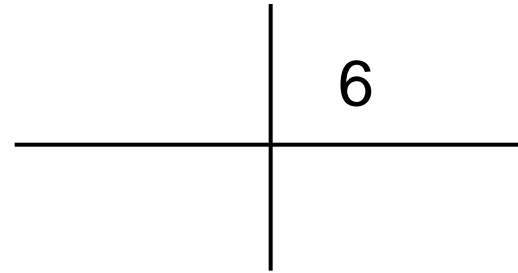
➤ Lower Arch

M	F	F												M	M	F
8LR	7	6	5	4	3	2	1	1	2	3	4	5	6	7	8LL	



Differential Diagnosis

- ✓ Chronic periapical periodontitis.
- ✓ Periapical granuloma.
- ✓ Chronic periapical abscess.



Investigations

- ✓ IOPA.
- ✓ Orthopantomogram (OPG)

Orthopantomogram



IOPA



Final Diagnosis

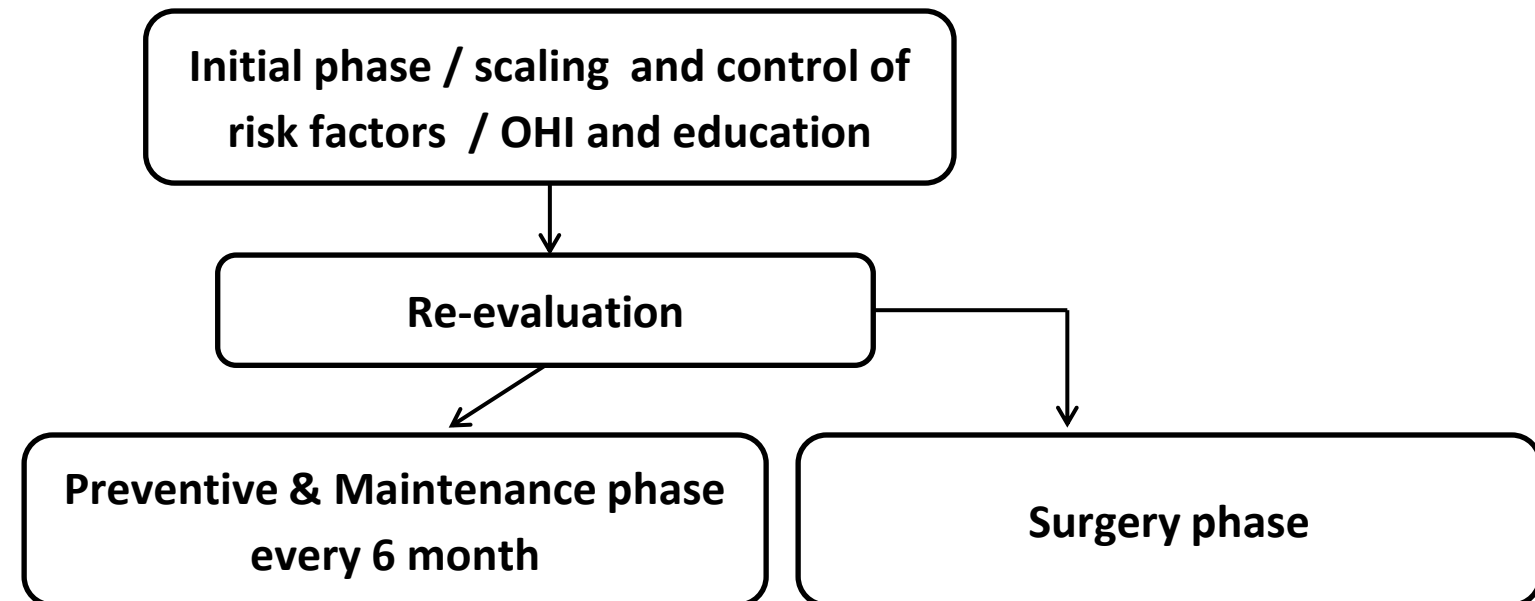
- ✓ Chronic periapical periodontitis $\frac{\quad}{\quad} 6$
- ✓ Chronic localized mild periodontitis.
- ✓ Dental caries $\frac{76}{\quad} 478$

Treatment Plan

- Emergency Phase
 - Pulp extirpation

6

- Phase I Therapy:



- ✓ Pit and fissure sealant

5 4 | 4

Treatment Plan

➤ Phase II Therapy

- Extraction $\frac{5}{8}$

- Flap reflection to restore cervical decayed related to $\frac{3}{3}$

Treatment Plan

➤ Phase III Therapy

- RCT $\frac{\quad}{\quad} | 6$

- Endo retreatment $\frac{\quad}{\quad} | 4$

- Composite restoration $\frac{7\ 6}{7} | \frac{\quad}{\quad}$

- Post, core and crown $\frac{\quad}{\quad} | 4\ 5\ 6$

- Implant Replacement $\frac{5}{\quad} | \frac{\quad}{\quad}$

- Replacement of missing teeth (class III Kennedy) with RPD $\frac{\quad}{\quad} | 67$

Treatment Plan

- Phase IV Therapy/ Maintenance & Recall every 6 months.

Patient Consent about the treatment is obtained.

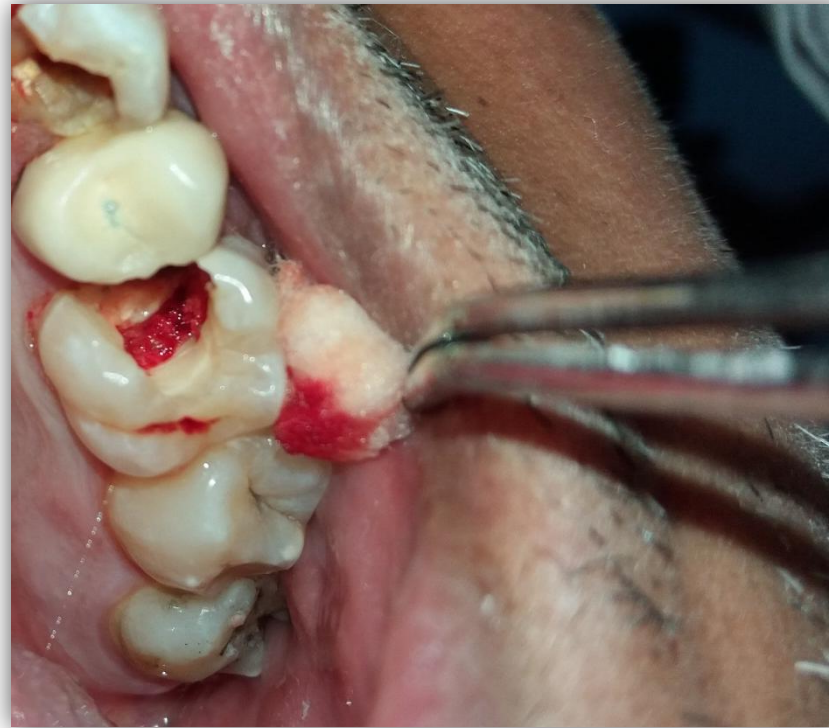
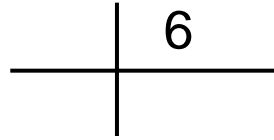


Pre-operative Photographs



➤ Emergency Phase

- ✓ Removal of old restoration
- ✓ Access cavity
- ✓ Pulp extirpation



➤ Phase I Therapy



Diet Sheet

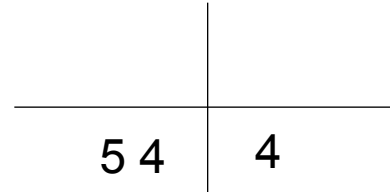
نوع الوجبة	الوجبة	الساعة	الايام
فطور	مكياطة +كوب ماء	7:30	الاحد
	سندوتش تن ودحي + كوب عصير	11:30	
غداء	رز اصفر + دجاج + بيسي	4:00	
عشاء	مكرونه + لحم+بيسي	10:30	

نوع الوجبة	الوجبة	الساعة	الأيام
فطور	مكياطة + كوب ماء	8:30	السبت
	سندوتش تن ودحي + كوب عصير برتقال	10:30	
غداء	رز امبوخ + بيسي	4:00	
	تشيز كيك و عصير	8:15	
عشاء	مكرونه+دجاج +بيسي+	02:00	

نوع الوجبة	الوجبة	الساعة	الأيام
فطور	مكياطه +كوب ماء +كيكه	7:30	الاثنين
	سندوتش قلايه + عصير +	12:00	
غداء	طجين لحم +سلاطه + بيسي	4:30	
عشاء	فصوليه +دجاج + بيسي	11:00	

➤ Phase I Therapy

- Pit and fissure sealant

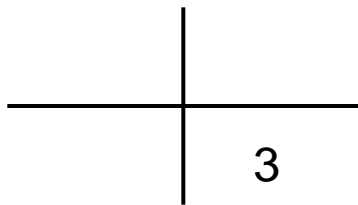


Re-evaluation of Phase I Therapy

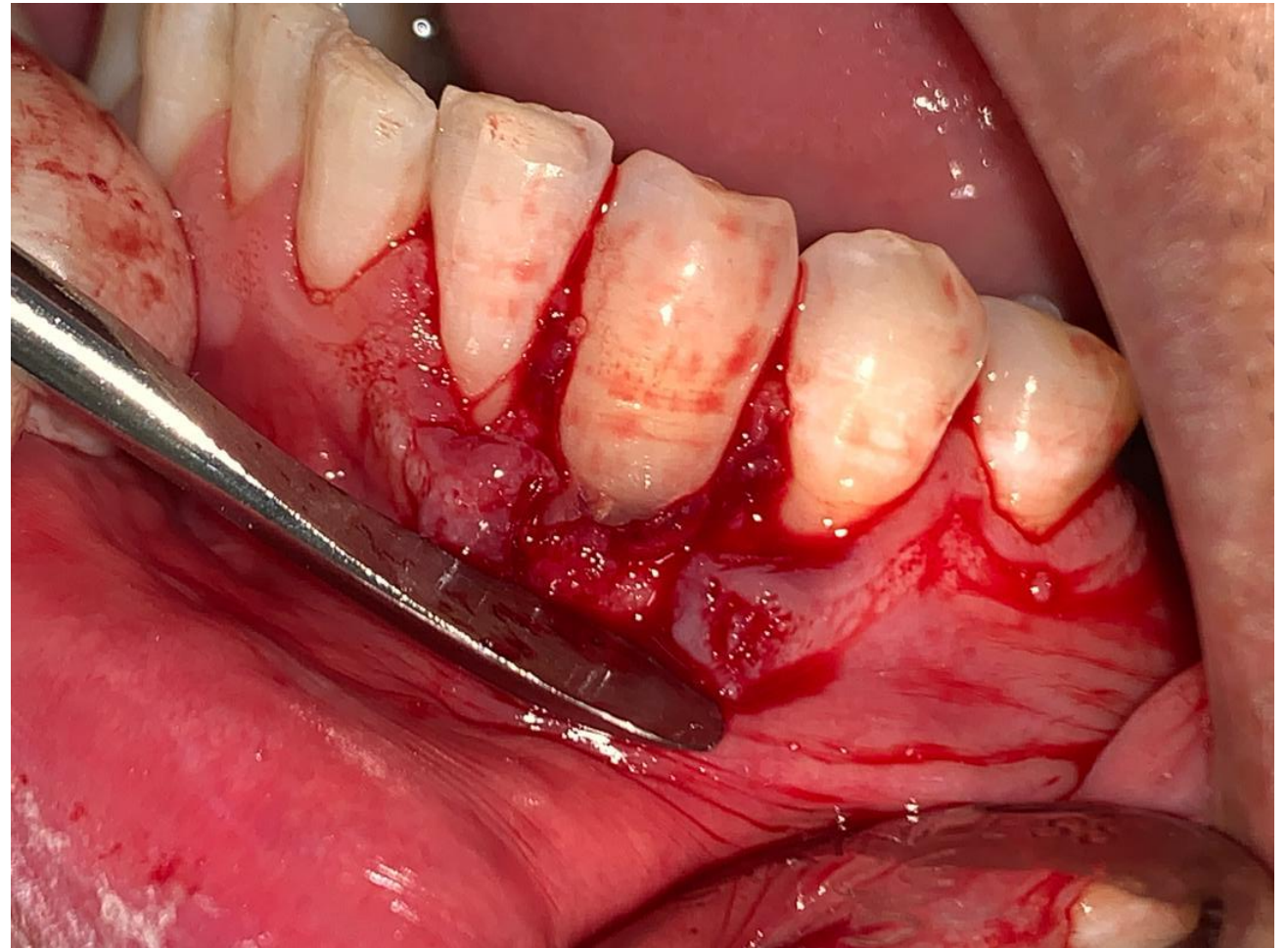
- Improvement of oral hygiene.
- Improved gingival status.
- Less bleeding upon probing.
- Loss of attachment: 1-3 mm.
- Furcation: No furcation involvement.
- Mobility: No mobility.

➤ Surgical Phase

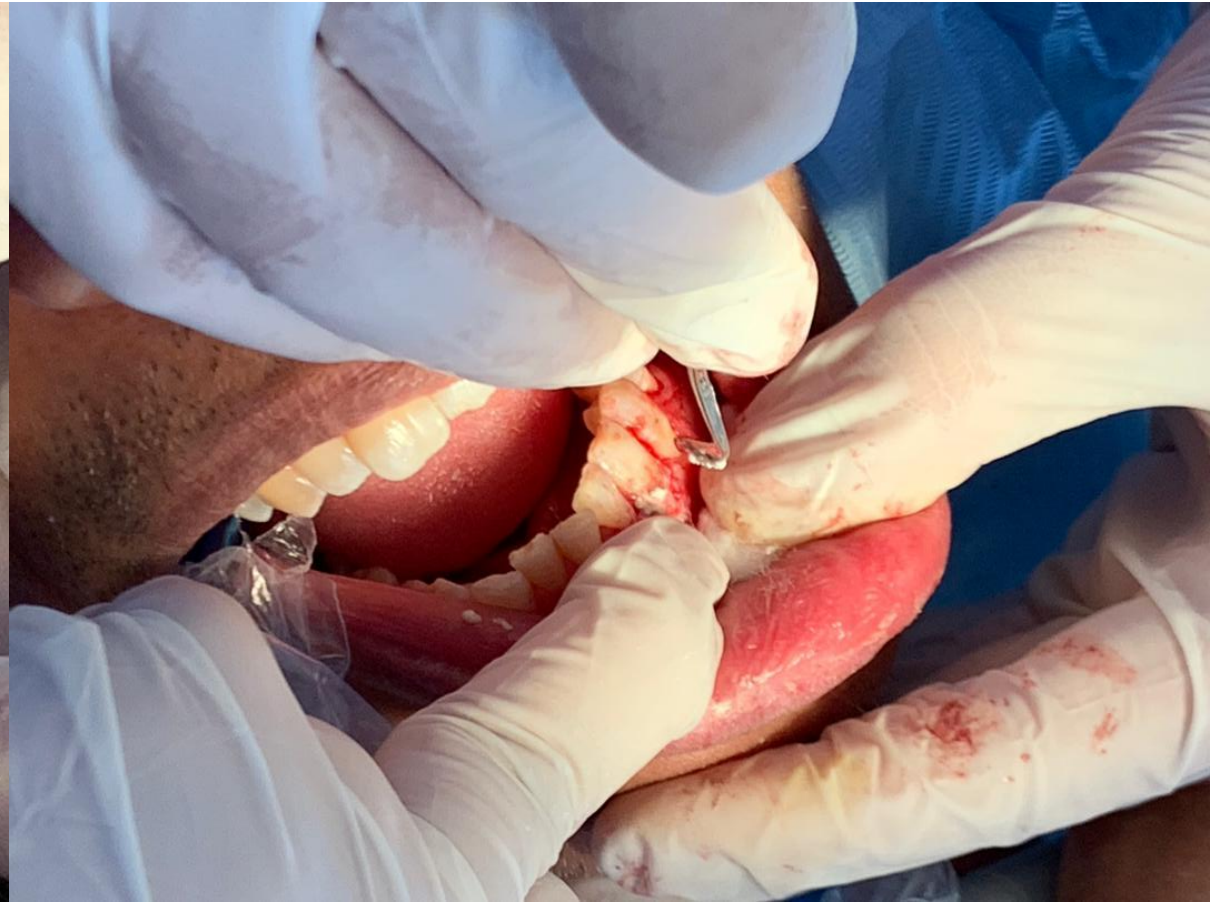
- Pre-operative IOPA radiograph :



Surgical Phase



Surgical Phase



Surgical Phase

Before



After



➤ Phase III Therapy

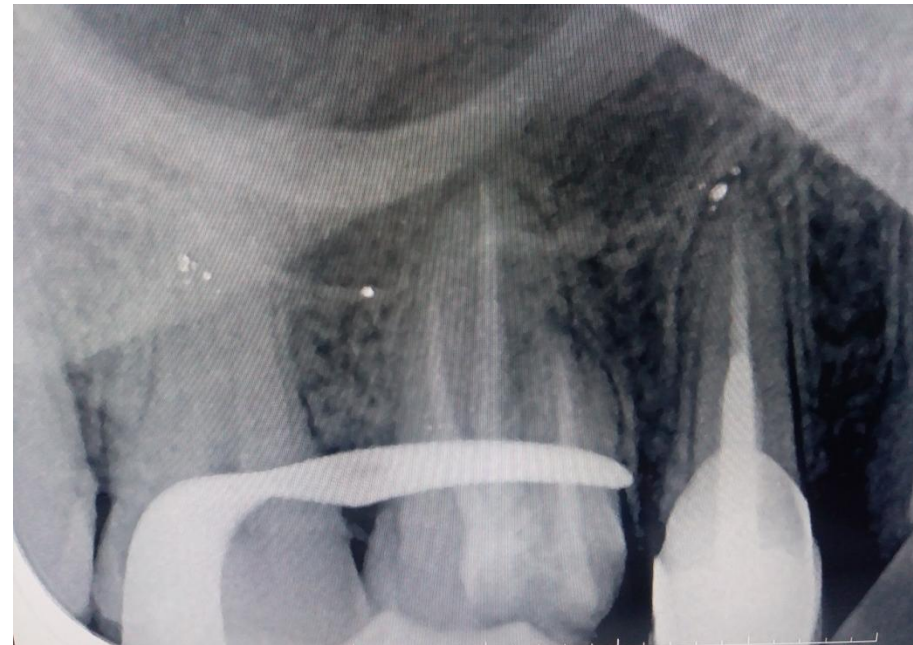
- Root canal treatment

6

Before



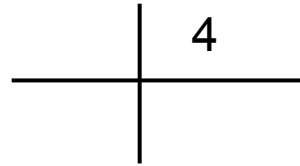
After



➤ Phase III Therapy

- Root canal re-treatment

Pre-operative IOPA



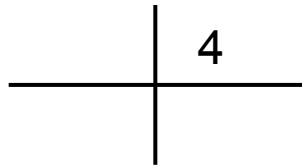
Access cavity preparation



➤ Phase III Therapy

- Root canal re-treatment

Post-operative IOPA



➤ Phase III Therapy

- Composite restoration

6

Pre-operative



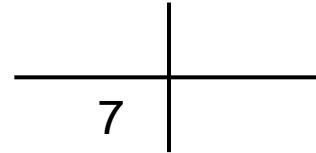
Post-operative



➤ Phase III Therapy

- Composite restoration

Pre-operative

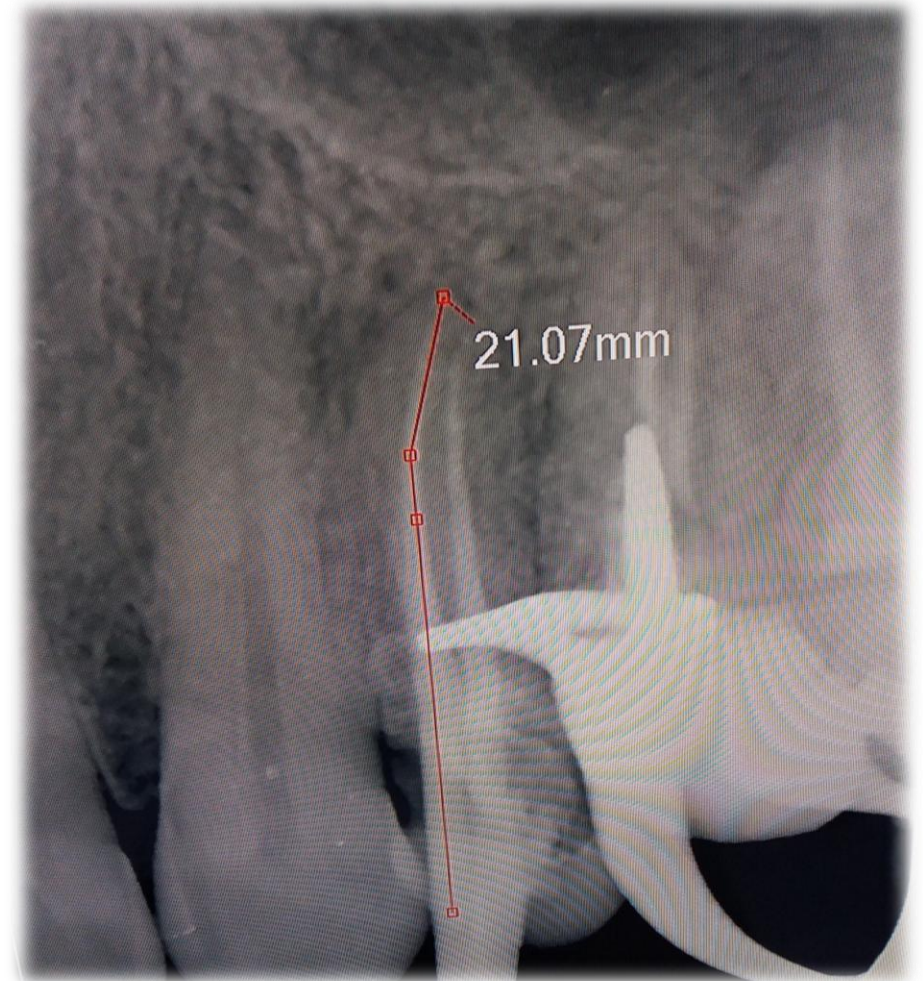
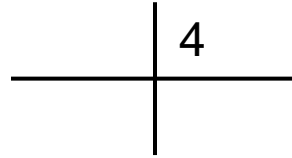


Post-operative



➤ Phase III Therapy

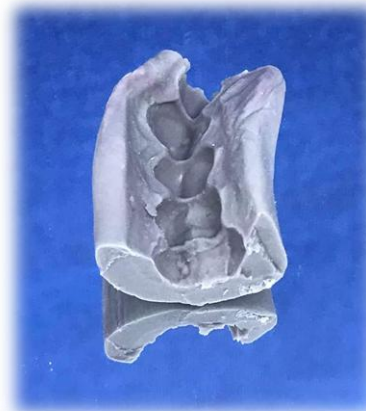
Post space preparation



➤ Phase III Therapy

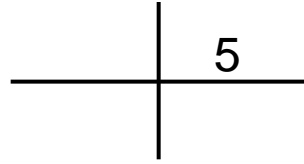
Temporary post and crown

4



➤ Phase III Therapy

Old crown removal



➤ Phase III Therapy

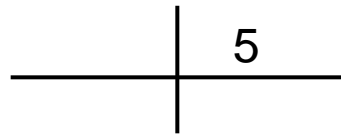
Adjustment of old post and composite core build up

5



➤ Phase II Therapy

Crown Lengthening

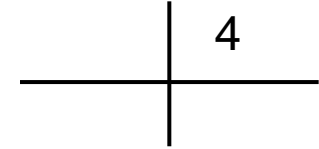


Before



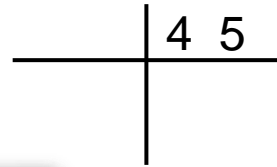
➤ Phase III Therapy

Impression for fabrication of cast post and core



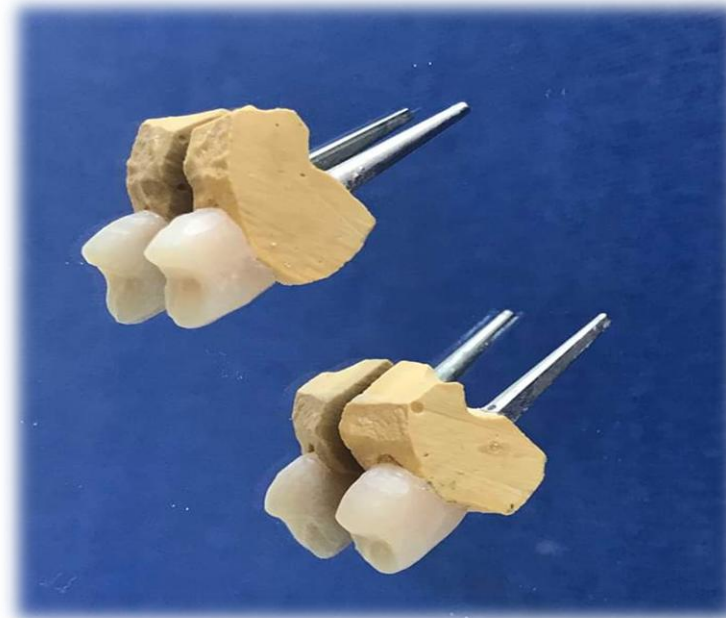
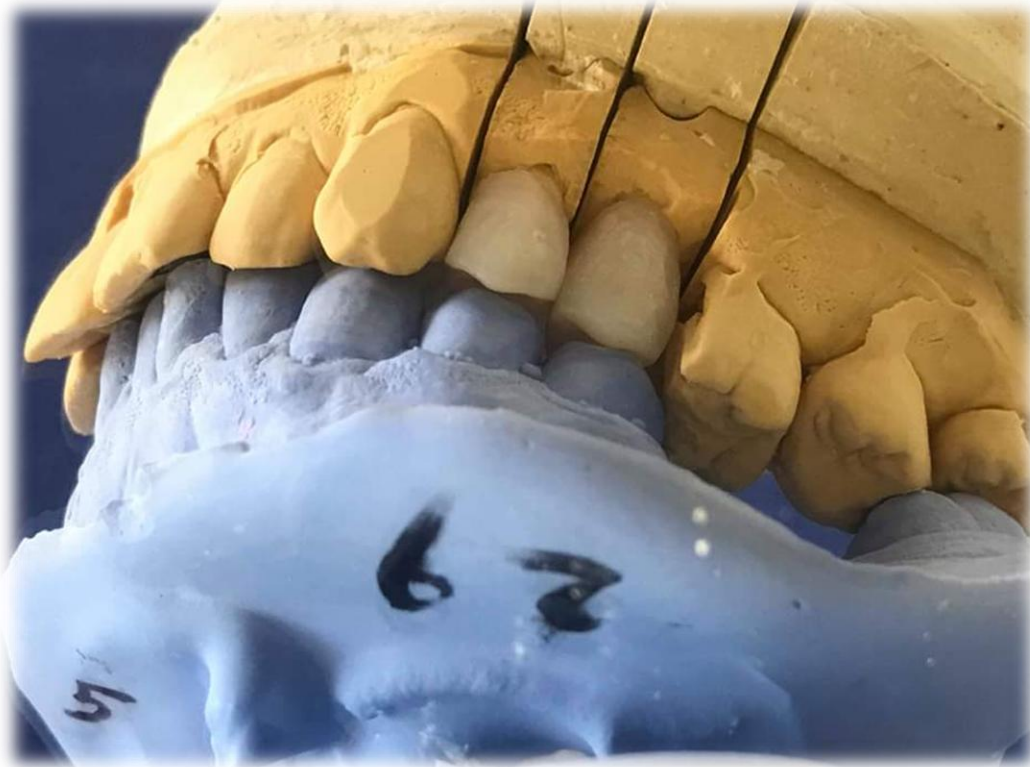
➤ Phase III Therapy

Final Impression



➤ Phase III Therapy

Composite try-in



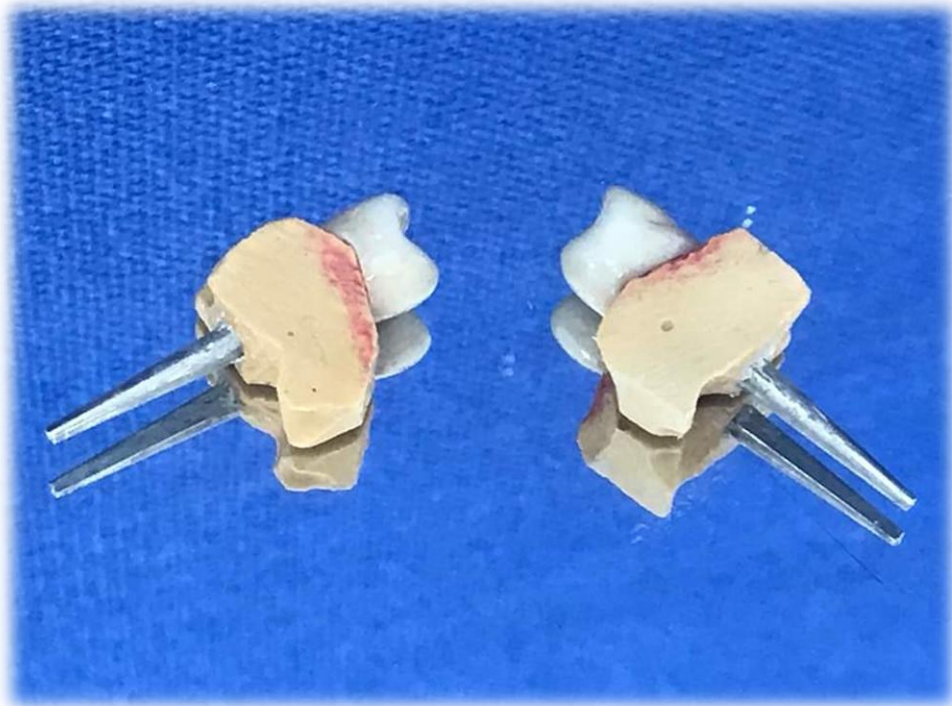
➤ Phase III Therapy

Composite try-in



➤ Phase III Therapy

Crown insertion



➤ Phase III Therapy

Crown insertion



➤ Phase III Therapy

Before

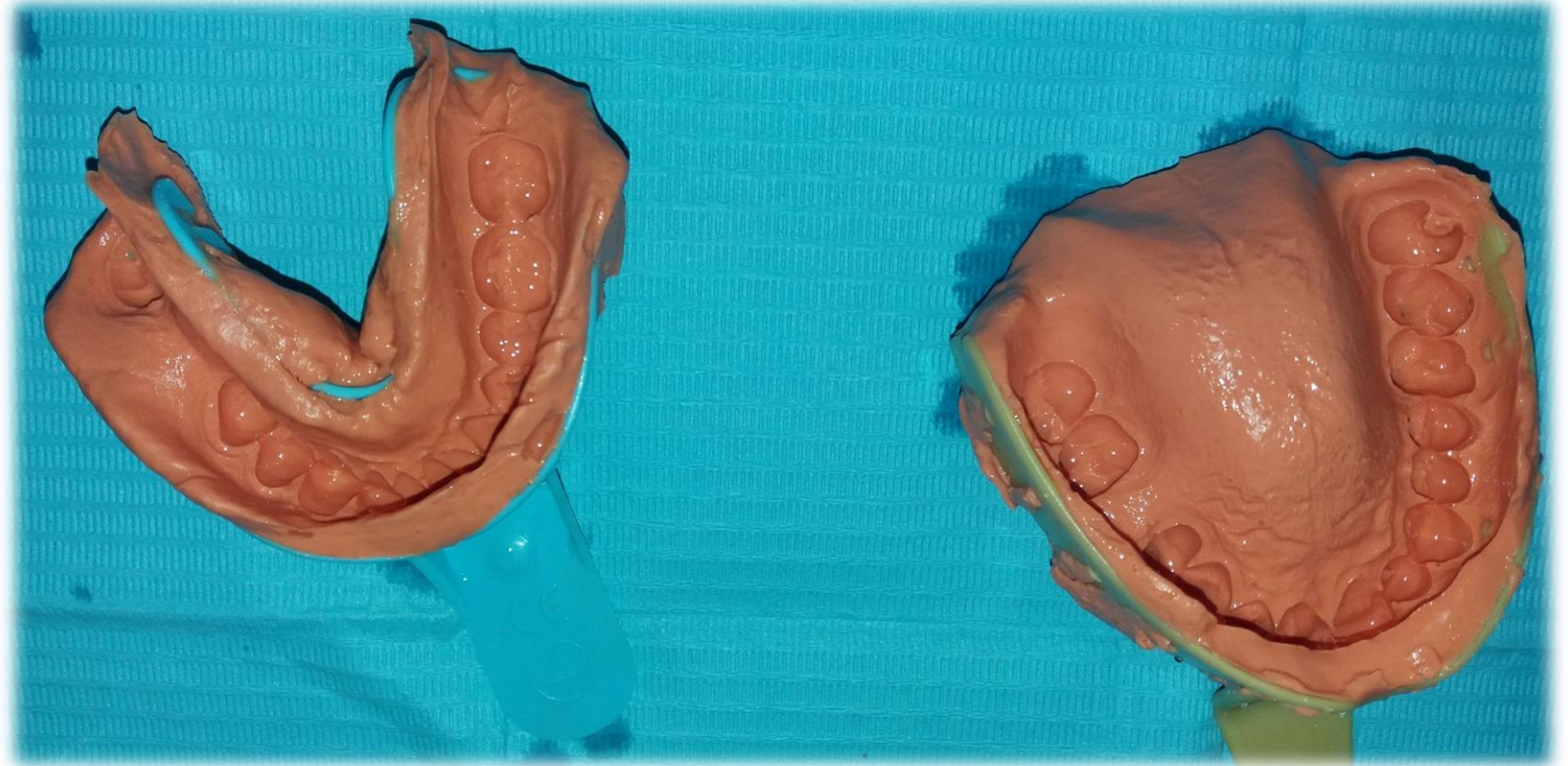
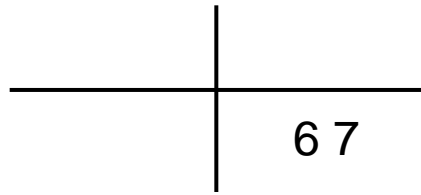


After



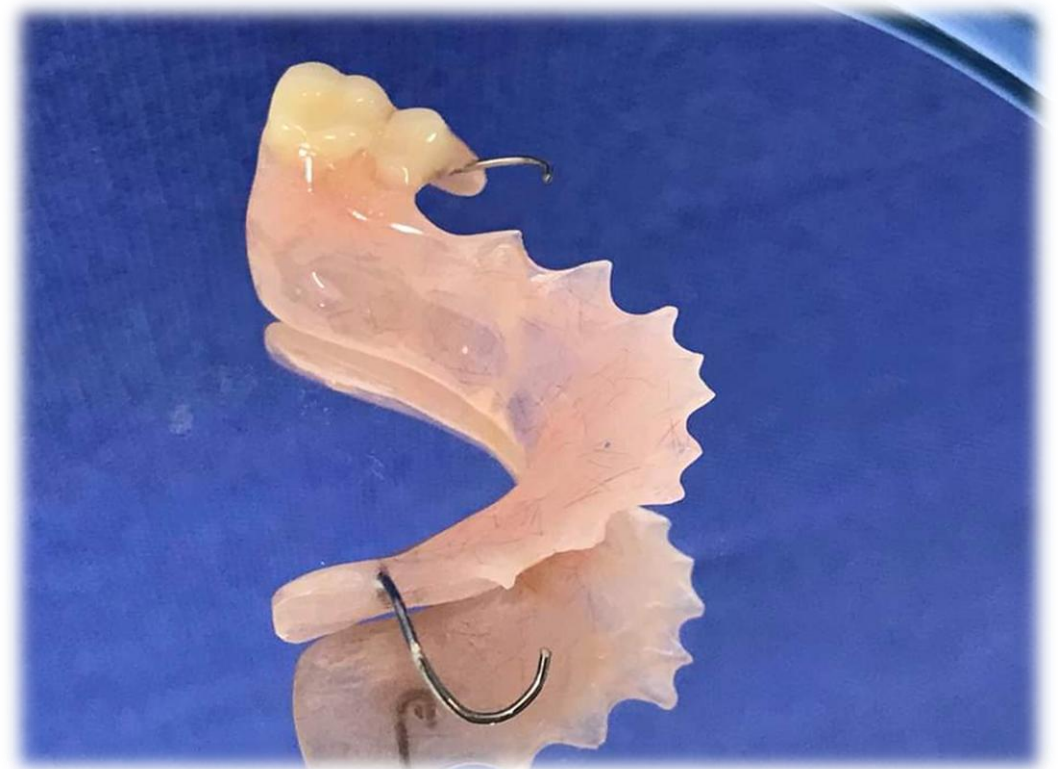
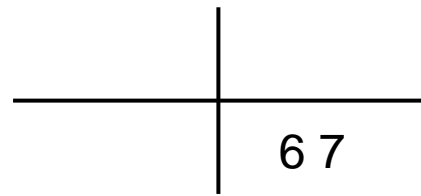
➤ Phase III Therapy

Upper and lower primary impression for construction RPD to replace



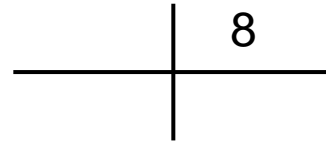
➤ Phase III Therapy

Lower RPD to replace



➤ Phase II Therapy

Extraction



Before



After



Before



After



Before



After



Thank You
for your attention !