



**Libyan International  
Medical  
University  
Faculty of dentistry**



**Comprehensive  
Case Presentation**

***Presented by :***

***Nora Ali Alabdly***

# Personal Data:-

**Patient's Name : N.A.E.**

**D.O.B : 1/1/1987.**

**Gender : female.**

**Occupation : House wife**

**Address : سيدي حسين**

**Nationality : Libyan.**

## ***Chief complaint:-***

**Pain in the upper right teeth since 2 day.**

## ***History of chief complaint:-***

***Sever localized spontaneous throbbing pain, started 2 months ago as a mild intermittent pain and became sever 2day , it increases on biting, lasts for hours sometimes it subsides by itself and in other times gets less with analgesics ( Ibuprofen 200 mg 2 tab /d ), disturbs with sleep, and it's associated with headache.***

## ***Past & current medical history:-***

**The patient is medically fit.**

## ***Allergic History: -***

**No history of allergies.**

## ***Past dental history:-***

**Last dental visit from 2 years ago  
Extractions without complication.**

# ***Oral Hygiene***

## ***Practice:***

**Brushing: irregular with soft tooth brush.**

**Brushing method: Horizontal.**

## ***Social and Family History:***

- single, nonsmoker, non alcohol consumer, consumes frequent sugary food & sweet drink drinks water frequently (2L/day).**
- Diabetes {Mother's side}.**

# ***Clinical Examinations :-***

## **Extra Oral Examinations:-**

**1-Face symmetry :  
symmetrical.**

**2.Skin : Normal color,  
no scars.**

**3.TMJ : Average mouth  
opening, No  
tenderness, clicking,  
deviation**

**4.Lymph nodes : Not  
palpable.**

**5.Lips : competent**

# ***Intra Oral Examinations :-***

## ***Soft tissues Examinations :-***

***Oral mucosa –palate- Floor of the mouth and tongue are normal***



# ***Intra Oral Examinations :-***

## ***Hard tissues Examinations :-***

### ***Rt Lateral View***



### ***Lf Lateral View***



### ***Front View***



# Hard tissues Examinations :-

## Maxillary Arch:-



8	7	6	5	4	3	2	1	1	2	3	4	5	6	7	8
M	M	D	D	D							D			D	M

# Hard tissues Examinations :-

## Mandibular Arch:-



**D D D D D**

**D D M D**

8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8

# Gingival status:-

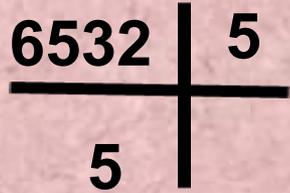
	Max . Right posterior	Max . Anterior	Max . Left Posterior
Color	Reddish-pink	Reddish-pink	Reddish-pink
Contour	Rounded margin + blunt IDP.	Rounded margin + blunt IDP.	Rounded margin + blunt IDP.
Size	Slightly enlarged.	Slightly enlarged.	Slightly enlarged.
Consistency	Edematous.	Edematous.	Edematous.
Stippling	+ve	+ve	+ve
Position	Coronal to CEJ.	Coronal to CEJ.	Coronal to CEJ.
Bleeding	+	+	+
<b>Exudation</b>	-	-	-

# Gingival status:-

	Man . Right posterior	Man . Anterior	Man . Left Posterior
Color	Reddish-pink	Reddish-pink	Reddish-pink
Contour	Rounded margin + blunt IDP	Rounded margin + blunt IDP.	Rounded margin + blunt IDP.
Size	enlargement.	enlargement.	enlargement.
Consistency	Edematous.	Edematous.	Edematous.
Stippling	+	+	+
Position	Apical to CEJ.	Coronal to CEJ.	Coronal to CEJ.
Bleeding	+	+	+
<b>Exudation</b>	-	-	-

# Periodontal Status

- General probing depth within normal limit 2-3 mm with exception



Between 4-5 mm



Between 2-3 mm



No furcation involvement

And no mobility of teeth

**Adequacy of Attached Gingiva:- Adequate.**

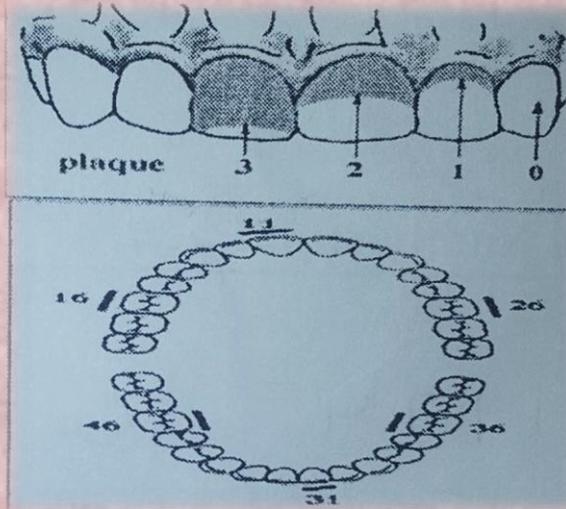
**Fremitus test: no trauma from occlusion**

**Frenal Attachment:- Normal.**

# Oral Hygiene:-

## Oral hygiene index-simplified:

16	11	26
2	1	2
2	2	2
46	31	36



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

Plaque index =  $11/6 = 1.8$

Calculus index =  $6/6 = 1$

OHI-S =  $1.8 + 1 = 2.8$

Fair

# Dietary Analysis:-

Patient Name: [REDACTED] Gender: [REDACTED]  
 Occupation: ربة منزل Address: [REDACTED]

نوع الوجبة	الماكولات والمشروبات	الساعة	الأيام
فطور	لحم - حليب - خبز - ماء	11:00	الأحد
غداء	مكرونة - سلطة - بيض - ماء	2:30	
عشاء	شوكولاتة - عصير	6:30	
عشاء	بيتزا - فاكهة - ماء	10:00	
فطور	لحمة بالخبز - عصير - ماء	11:00	الثلاثاء
غداء	طاجين دجاج - سلطة - فاكهة - ماء	2:00	
عشاء	كباب - تاج - ماء	5:00	
عشاء	زنجار - بيض - ماء	8:30	
فطور	تن - حليب - كاكوا بالحليب - ماء	11:30	الربيع
غداء	كفتين - دجاج - بيض - فاكهة - ماء	2:00	
عشاء	سلطة فواكه	4:30	
عشاء	ساندوتش - بيض - ماء - فاكهة	10:30	

# *Investigations*

# Orthopantomograph (OPG)



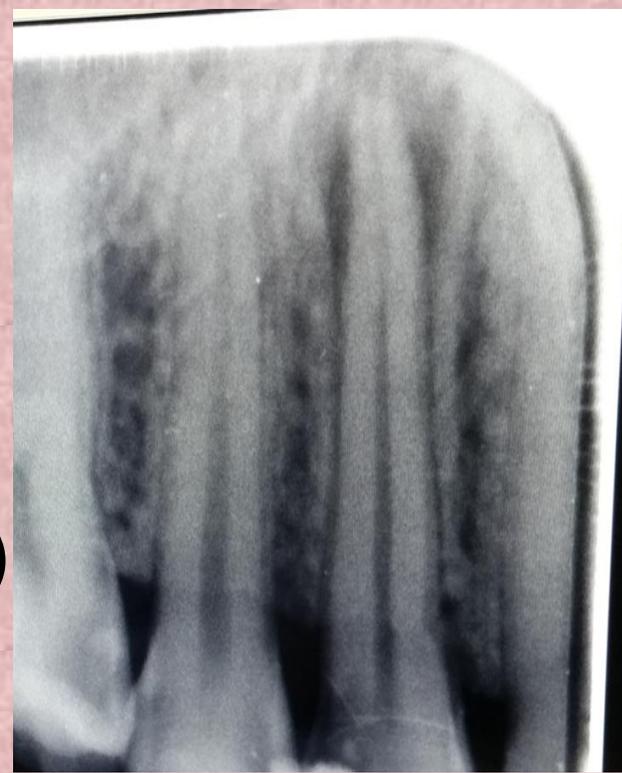
Showing maxillary and mandibular teeth with mild bone loss

Missing teeth



# Investigations:-

IOPA  $\frac{4}{|}$   $\longrightarrow$  (chief complain)



**Bitewing**



# Final Diagnosis

- Chronic periapical periodontitis with acute exacerbation.

4

- localized mild to moderate chronic periodontitis.

- Chronic Irreversible pulpitis

5 | 4

-Dental caries

6 | 7

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8 7 6 5 4 | 5 6 8

# *Treatment plane :-*

**Emergency phase:-** Extraction

$\frac{4}{|}$

## **Phase I :-**

- OHI :-Patient motivation and education.
- Scaling & root planning .

## *Re-evaluation of Phase I*

## **Phase II therapy :-**

**Extraction of non-restorable teeth**

$\frac{|}{8}$

## Phase III therapy :-

RCT  $\frac{5}{4}$

Restoration  $\frac{6}{7654} \mid \frac{7}{568}$

post , core and crown for endodontic treated teeth

$\frac{5}{4}$

## Phase IV:-

Follow up & maintenance.

# Informed Consent:-

الجامعة الليبية الدولية للعلوم الطبية  
كلية طب وجراحة الفم والأسنان  
موافقة للأذن بالعلاج

[Redacted]

[Redacted]

أقر أنا

بطاقة شخصية رقم

وبكامل ارادتي انني اعطي موافقتي اللغوية والكتابية للبدء والاستمرار في العلاج بعيادات كلية طب الأسنان بالجامعة الليبية الدولية للعلوم الطبية والذي يتضمن

.....  
كشفت ~~هو~~ خلع تنظف حشو عادي  
.....  
حشو كليب تدليك ثابت ومشارك

وقد تم شرح التشخيص المرضي لحالتي والخيارات المختلفة المتوفرة لمعالجتها والأعراض الجانبية والمخاطر التي قد تصاحب العلاج والمشاكل التي قد تنتج عن عدم العلاج والمدة التقريبية اللازمة لانتهاء منه والتكلفة الاحتمالية للعلاج وفقاً للرسوم الرمزية المقررة كما اتفهم ان هذا العلاج قد تم تنفيذ من قبل طالب أو طبيب امتياز تحت الاشراف المباشر لأعضاء هيئة التدريس بالكلية.

[Redacted]

اسم المريض

توقيع المريض:

اسم الطالب أو طبيب الامتياز: نورا العبدلي

الأستاذ المشرف:

التاريخ: 2018 / 1 / 6

## *Emergency phase:-*

### **Extraction of non-restorable teeth**

4 |

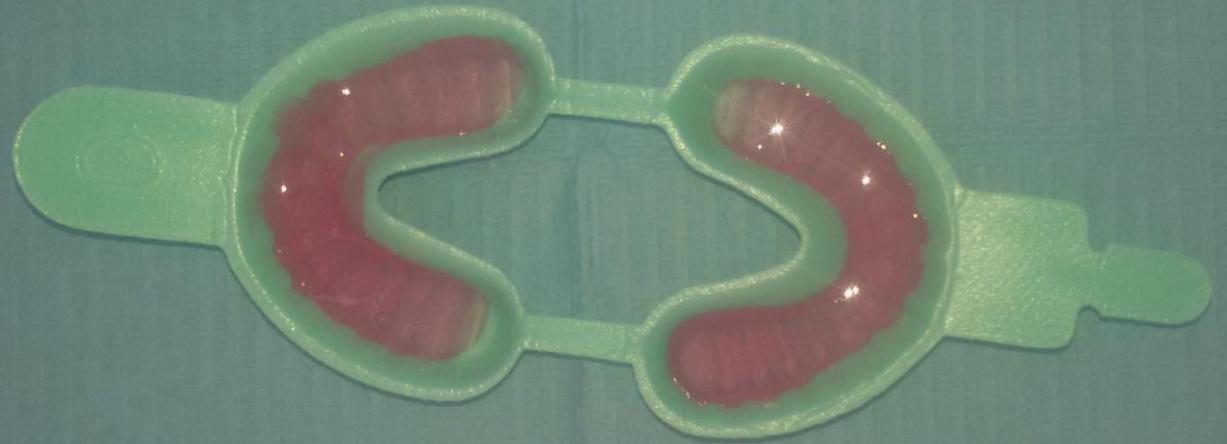


# PHASE 1 THERAPY:-

- OHI :-Patient motivation and education.
- Scaling and root planning.
- Diet counseling .
- Fluoride application



# *Fluoride application:-*



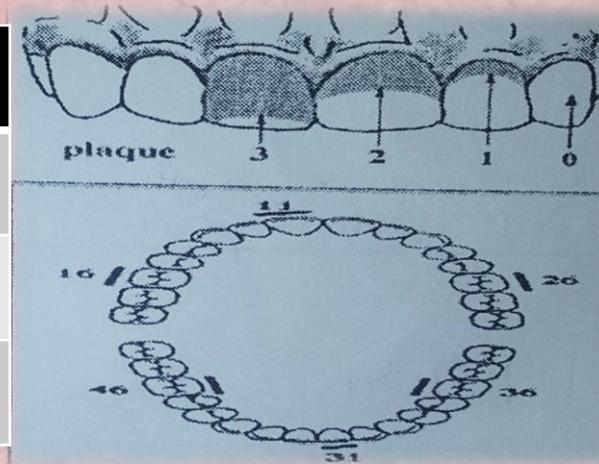
## Reevaluation of PHASE I:-

- Patient showed significant improvement of oral hygiene.**
- Improved gingival status.**
- Reduction of pockets depth.**

# Reevaluation of PHASE I:-

## Oral hygiene index-simplified:

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



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

Plaque index =  $2/6 = 0.33$

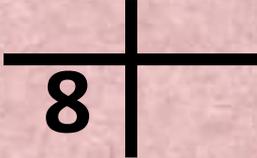
Calculus index =  $0/6 = 0$

OHI-S =  $0.33 + 0 = 0.33$

Good

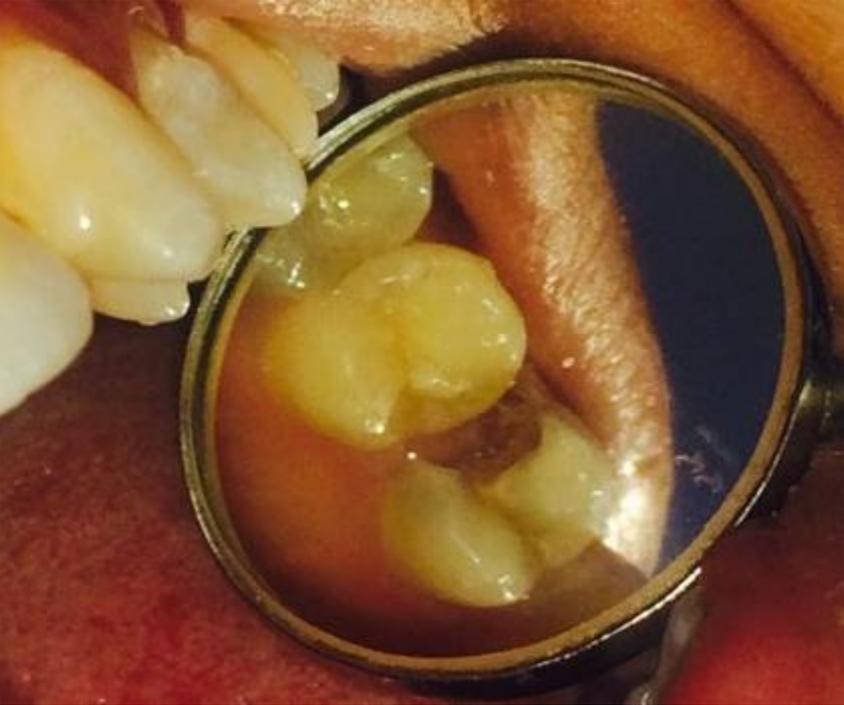
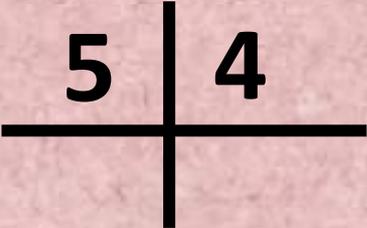
**PHASE II: -**

**Extraction of non-restorable teeth**



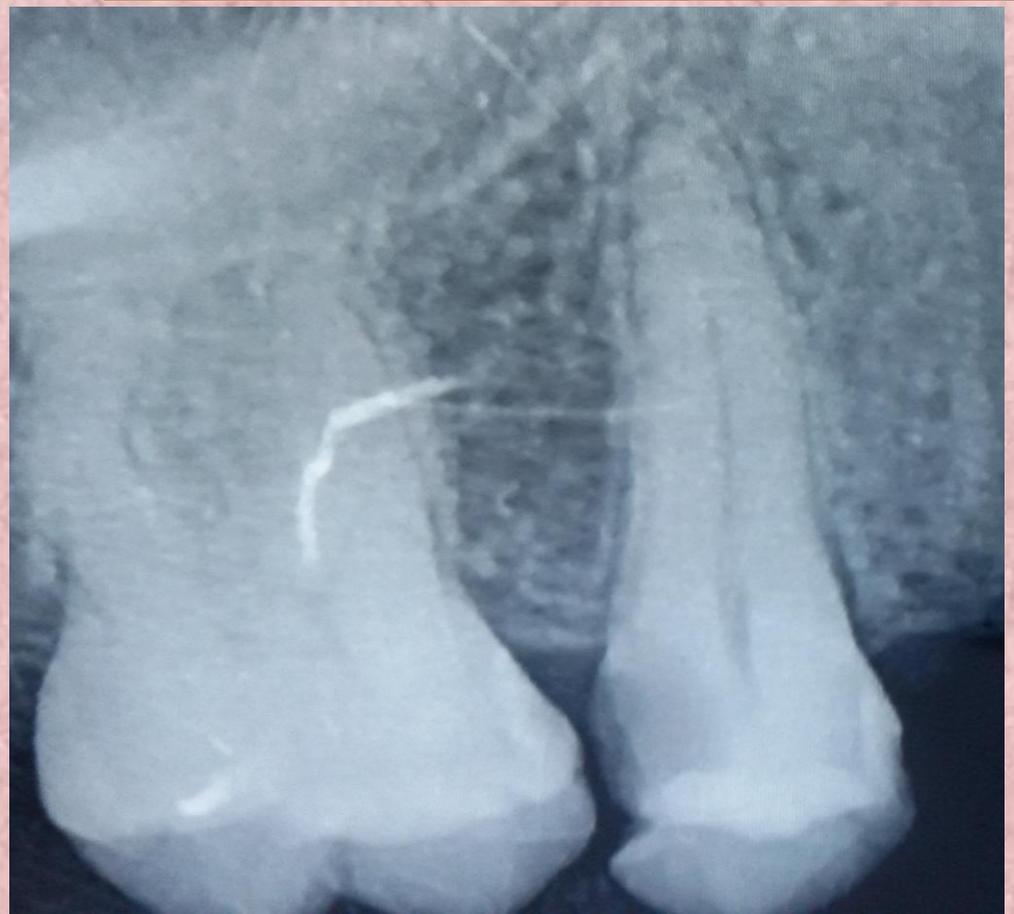
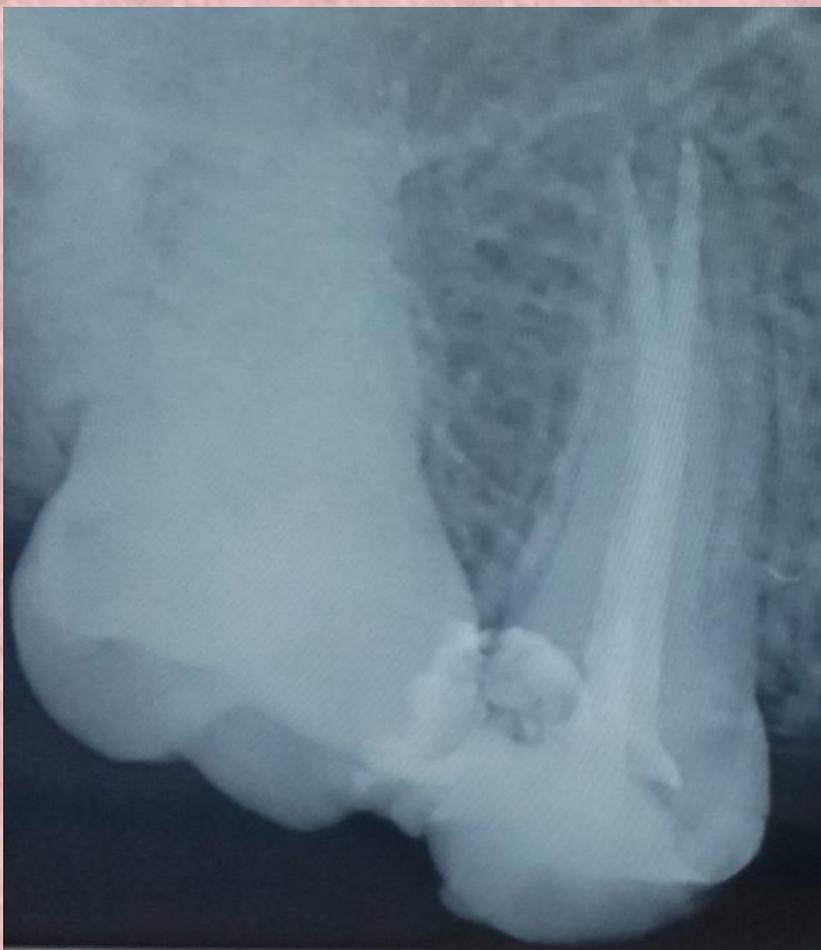
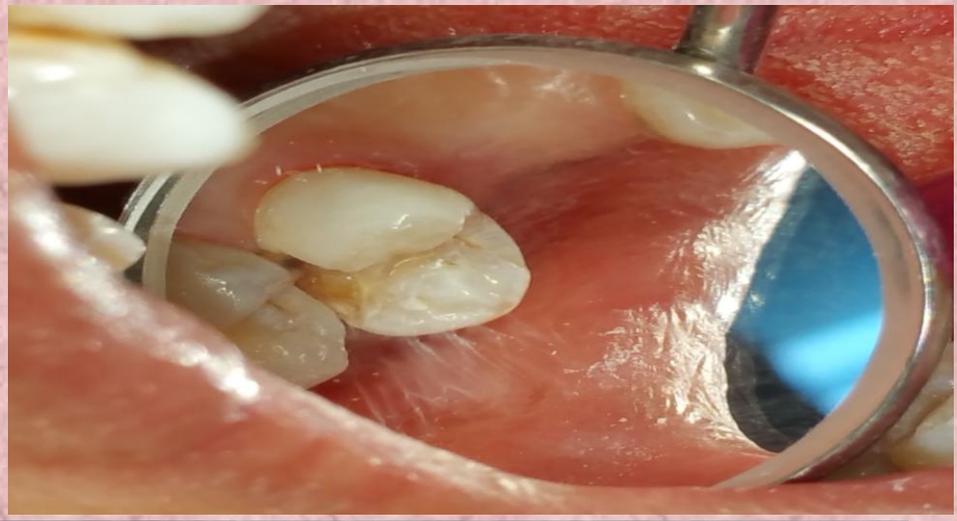
**PHASE III :-**

**RCT**



**PHASE III :-**

**RCT**     **5**

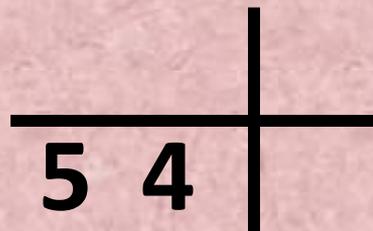


**PHASE III :-** Restoration  
*indirect pulp capping, Ca(ho)<sub>2</sub>,<sup>6</sup>  
GIC, composite restoration shade 2*



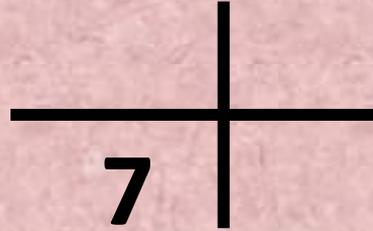
# PHASE III :-

*Restoration*



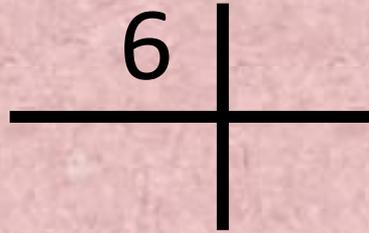
# PHASE III :-

*Restoration*



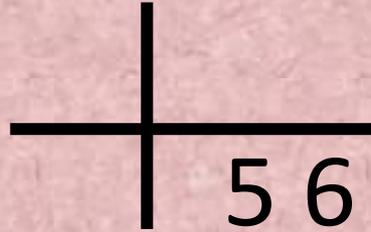
# PHASE III :-

*Restoration*



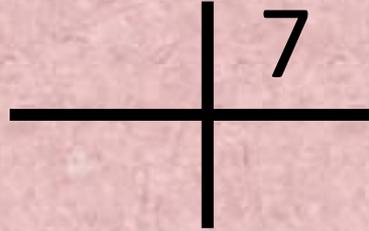
# PHASE III :-

***Restoration***



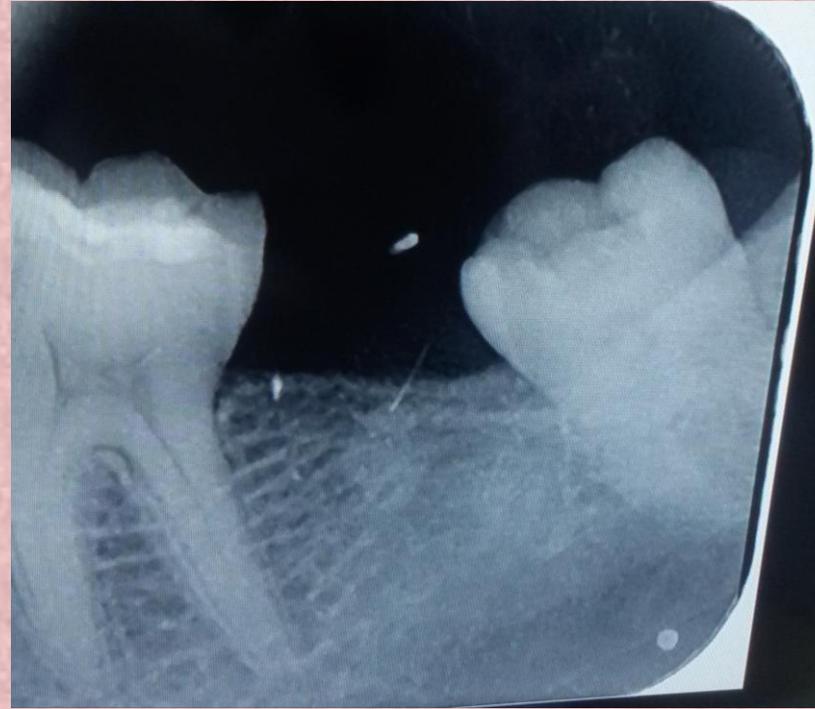
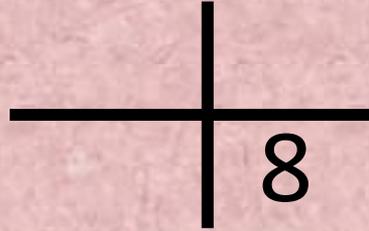
# PHASE III :-

*Restoration*



# PHASE III :-

## *Restoration*



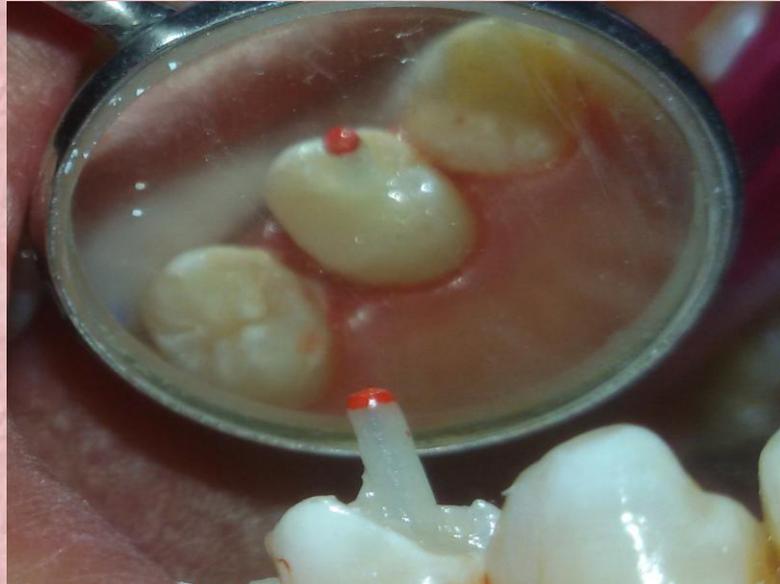
## PHASE III :-

***Restoration of endodontic treated teeth by using ready made fiber Post and composite***

***Core***     5 | 4



# *Post placement and composite core build up*



**Preparation of tooth** — <sup>4</sup> — **Final impression**



**Temporary crown fabrication**



# ***Composite Try-in on the cast***





***Checking the margins***



## ***Composite Try-in***

***Checking the occlusion with articulating paper***



# ***Shade Selection***



# ***E- Max crown Try-in on the cast***



# ***E- Max crown Try-in***



***Checking the occlusion  
with articulating paper***



***Checking the margins***





# ***Final cementation of E- Max crown by self adhesive resin cement***



## PHASE III :-

*Restoration of  
endodontic treated  
teeth by using ready  
made fiber Post and  
composite Core*

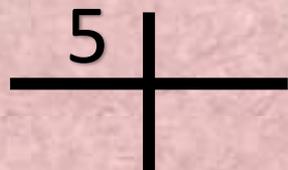
5



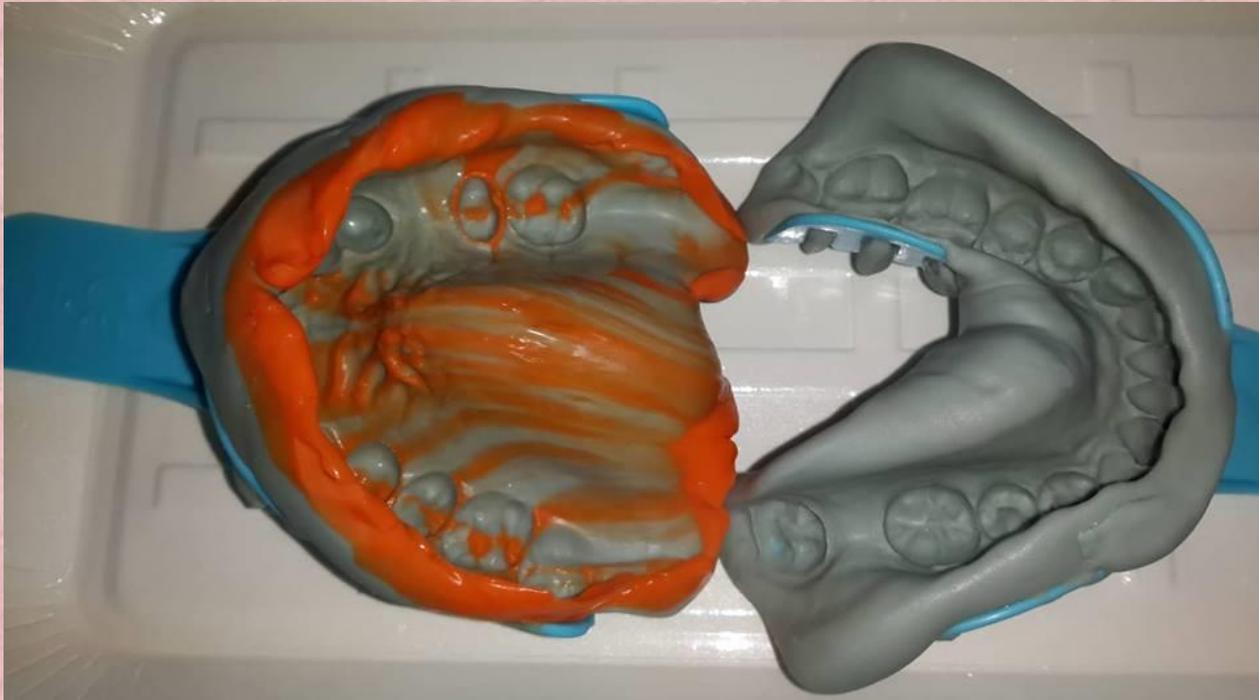
# *Post placement and composite core build up*



*Preparation of tooth*



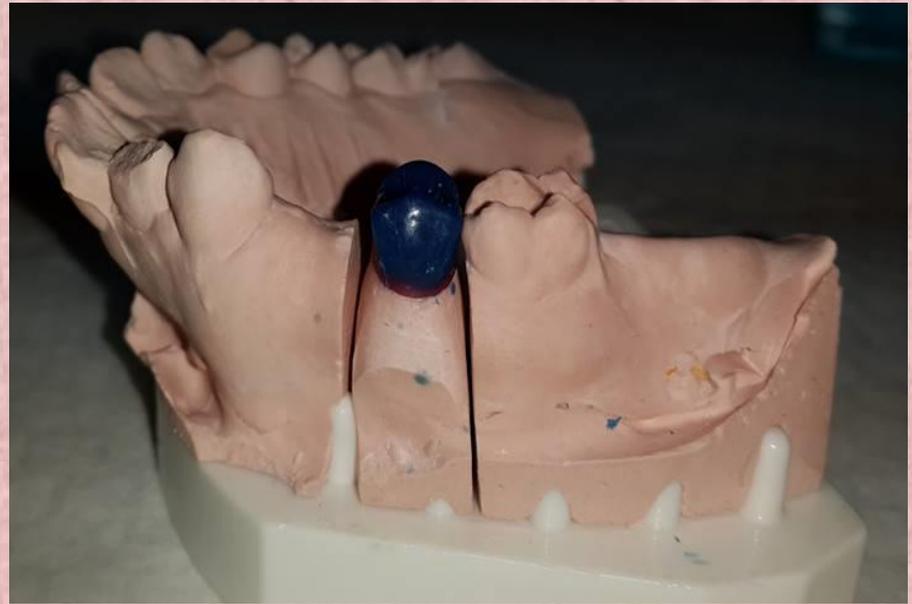
# ***Final impression***



# *Temporary crown fabrication*



# ***Composite Try-in on the cast***



# ***Composite Try-in***

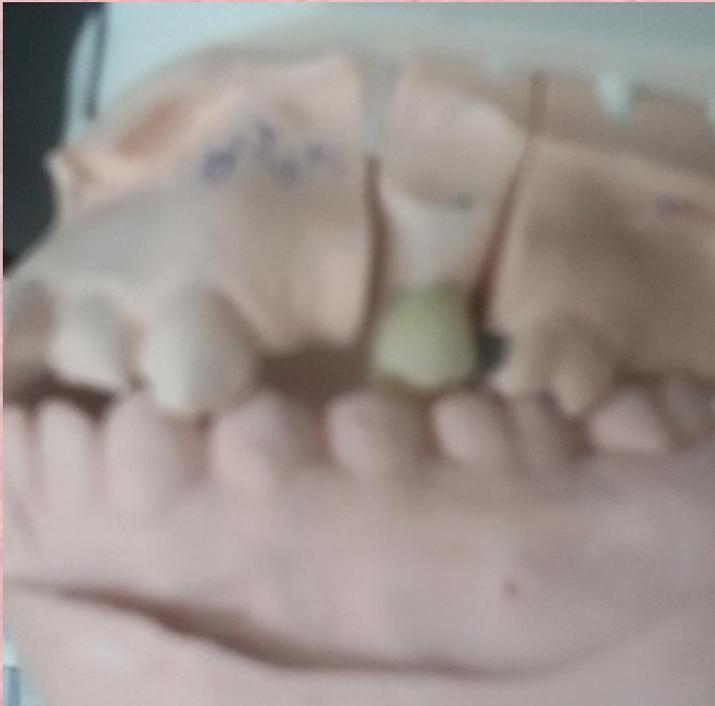
***Checking the occlusion  
with articulating paper***



***Checking the margins***

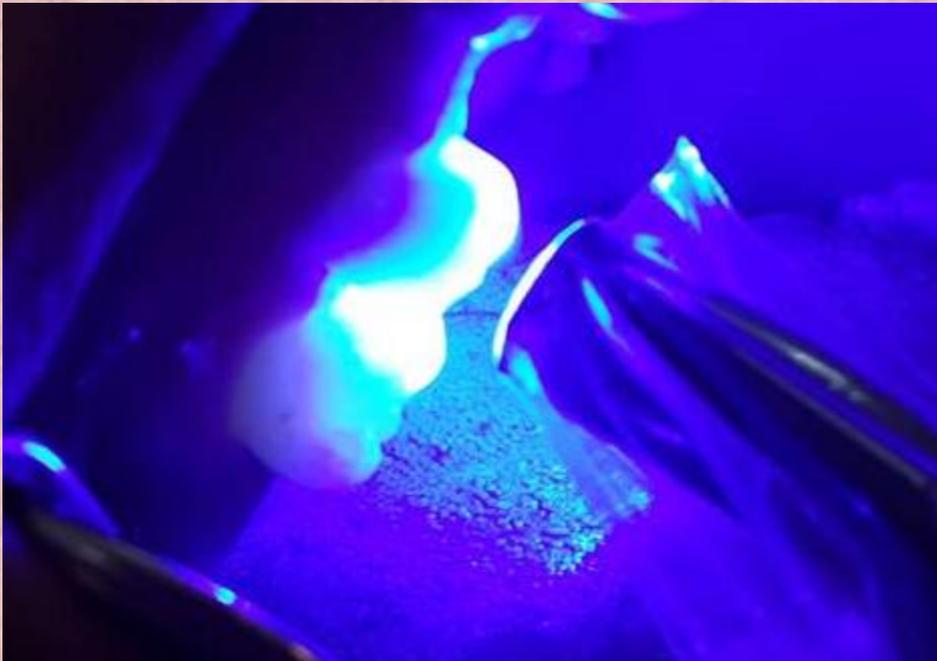


# ***E- Max crown Try-in on the cast***





## ***Final cementation of E- Max crown by self adhesive resin cement***



# *Recall visit*



***Primary impression for upper  
and lower arch to fabricate RPD***



***Diagnostic cast with RPD***





## **PHASE IV : -**

### **Follow up and Maintenance**

- Recall after 3 months:**
- To evaluate oral hygiene & periodontal health.**
- To evaluate all the restorations & the prosthesis.**
- Recall for 6 months for regular dental check ups.**

# Before and After



# Before and After





*Before and After*



# Before and After



# Before and After



