

Libyan International Medical University



Faculty Of Dentistry

# Comprehensive Treatment Full Mouth Rehabilitation Case

Presented by: Mostafa Elsanousi Taher

Role number: 940





This work was achieved by the student : **Mostafa El Sanousi Taher.**

Under the supervision of dental teaching staff at the Libyan International Medical University :

- Dr Rafeeq El Kuafi
- Dr Abdelmonem Abdelnabi
- Dr Omar A. Huni
- Dr Ali Busnaina
- Dr Nuha El Kadike

# Personal Data

**Name:** A.K.Y

**Age:** 35 years ( 1983-1-15)

**Gender:** Male

**Nationality:** Libyan

**Adress :** Al keesh

**Occupation:** Solider

**Material & Society:** Married

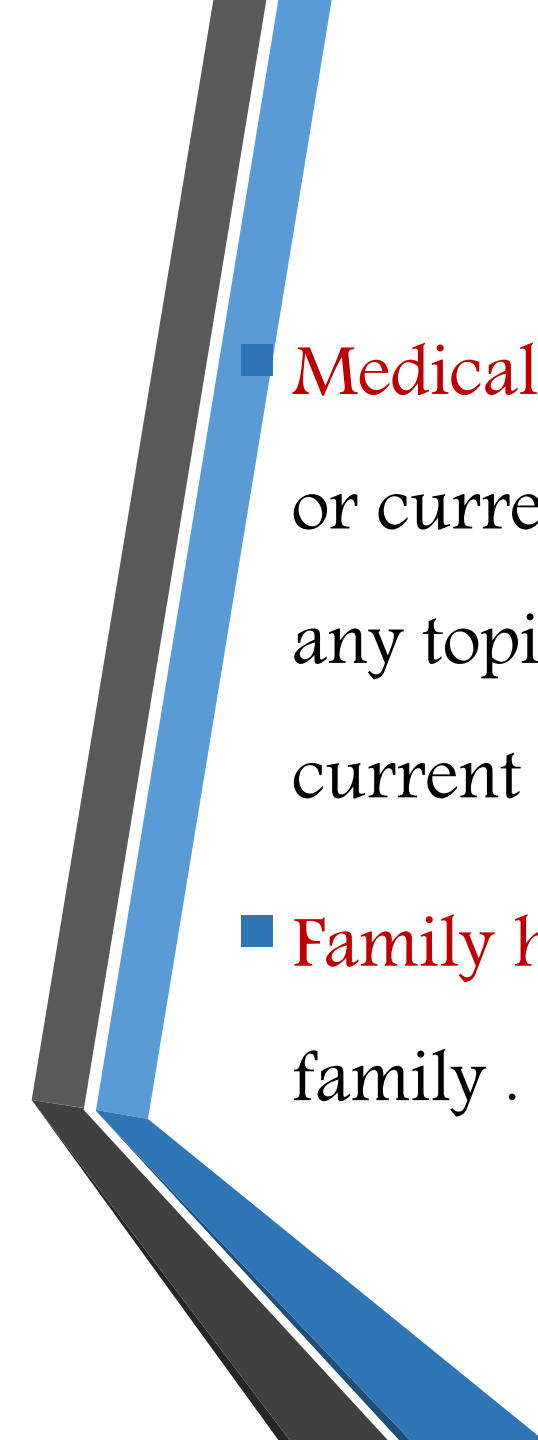
# Chief Complaint & History of Chief Complaint

## ■ C.C :

Patient Came to our dental clinic complaining of his bleeding gum since one week .

## ■ H.C :

The bleeding start one week ago , pin point bleeding and not spontaneous, start after tooth brushing and last for one minute. There is no history of bleeding disorders and patient doesn't take any medications like anticoagulant . He became aware of this bleeding after he start brushing his teeth .

- 
- **Medical history** : young adult medically fit patient with no past or current medical disease , and neither now or in the past taking any topical or systemic medication , and there is no past or current known allergy .
  - **Family history** : no genetic or familial disease running in the family .

## Social history :

- Married ,and father of two boys .
- Patient is Smoker since 2003 ( 1 packet /day)
- Alcohol consumption since 2005 .
- Diet : regular Libyan diet .
- Water consumption (2-3 glasses of water / day ).

# Dental history

- Oral hygiene practice : he doesn't brush his teeth since 5 years..
- Dental attitude toward dentistry: his first visit to dental clinic
- Brushing : didn't brush his teeth since 5 years ago .

- 
- Any abnormal habit : there is no abnormal habit





**Clinical**

**examination**



# Extra-oral examinations

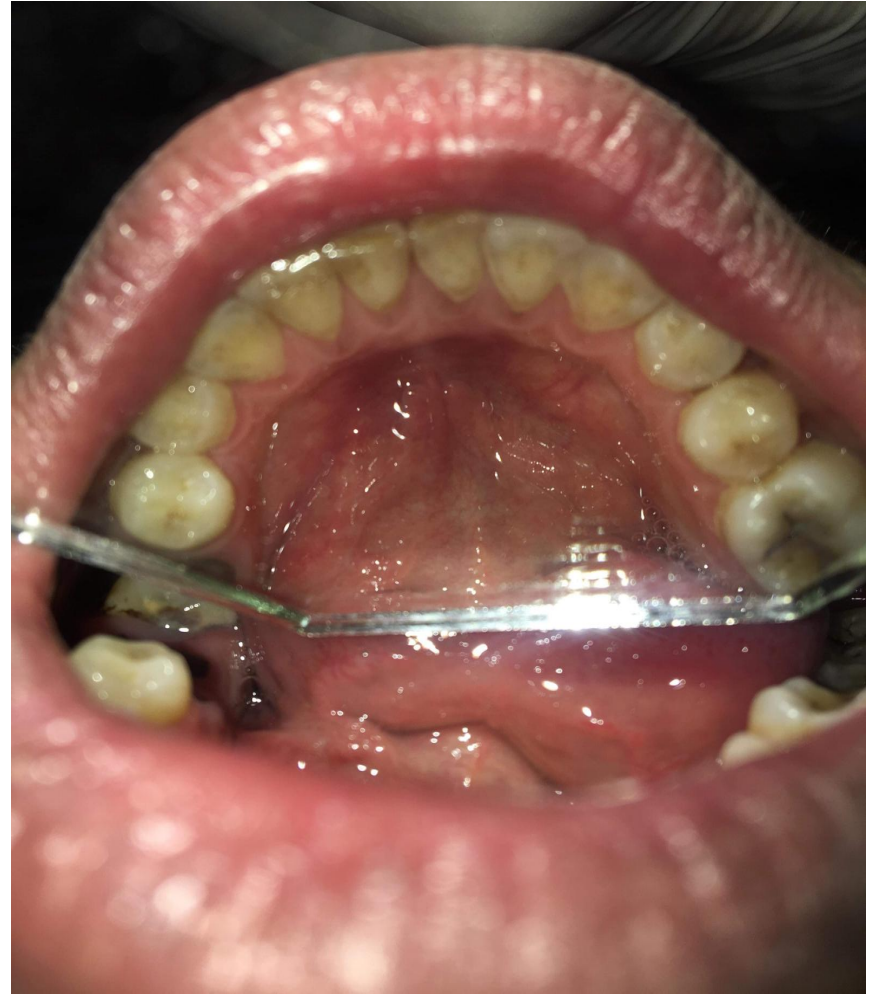


**Intra oral examination :**

# Intra-oral photographs:

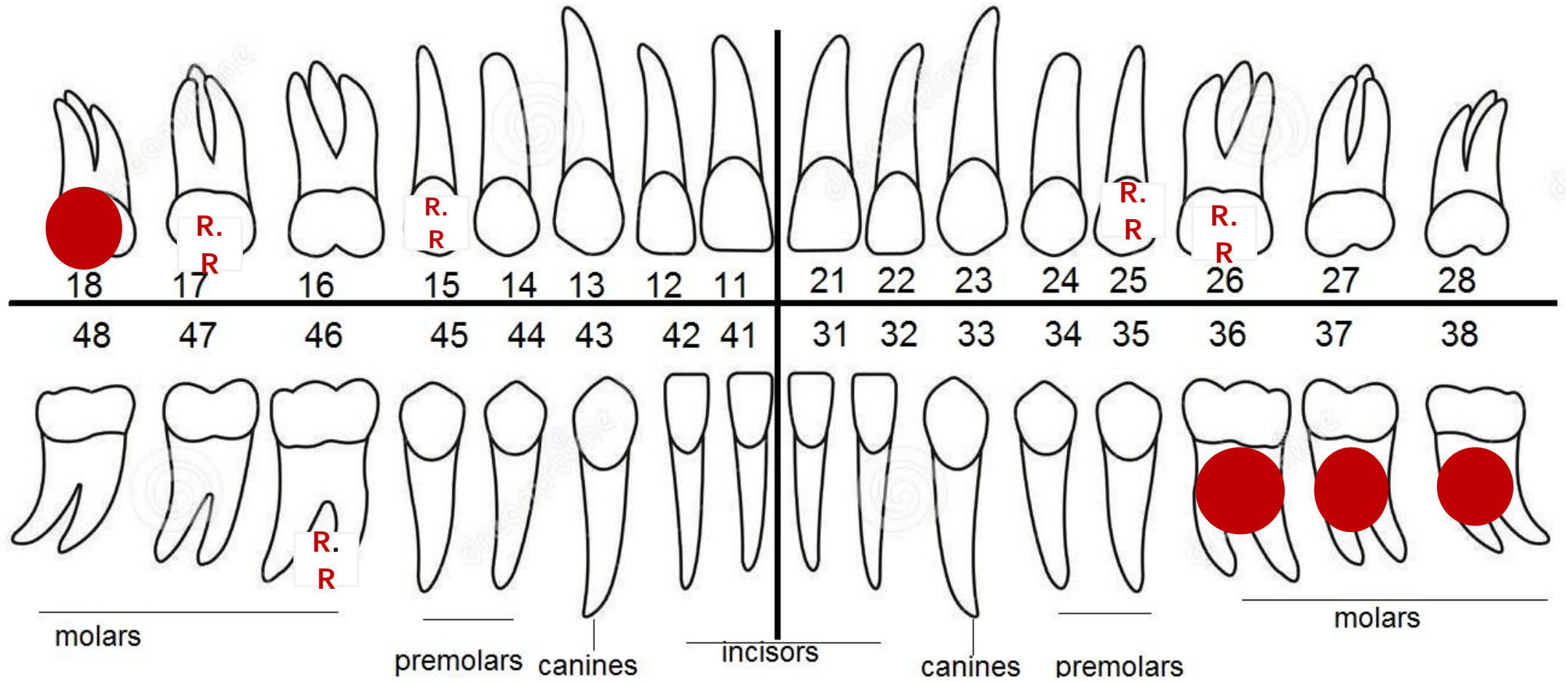








# Dental Chart



● Carries

R.R : Remaining root

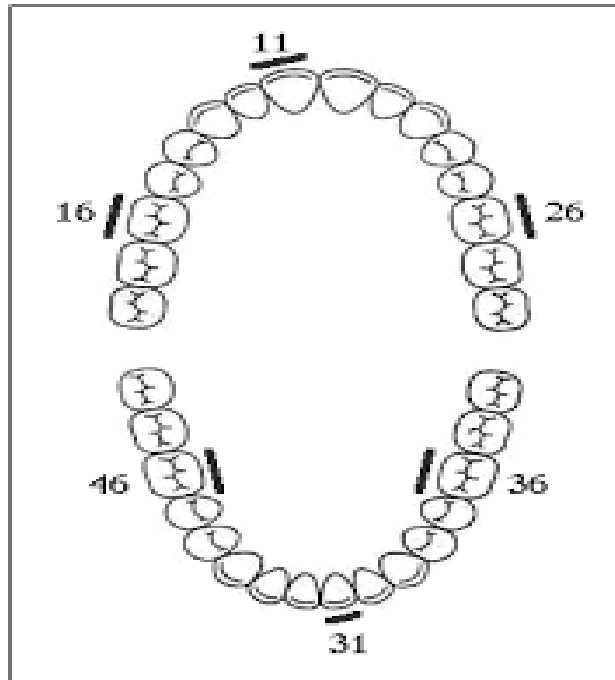
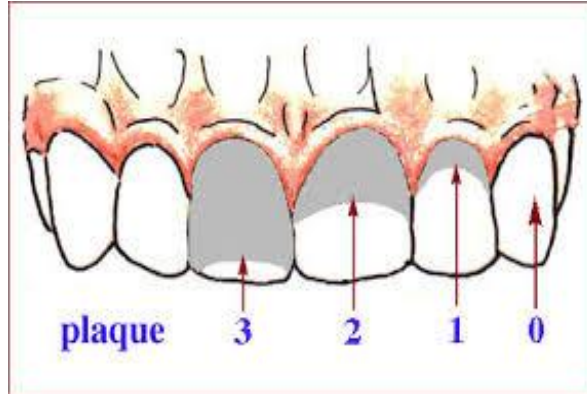


# Oral hygiene index – simplified:

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

Plaque index :  $8 / 6 = 1.3$

OHI+S =  $1.3 + 1.5 = 2.8$



Good (0-1.2 )

Fair (1.3-3)

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

Calculus index :  $9 / 6 = 1.5$

Poor (3.1\_6)

## Differential diagnosis of chief complain :

- 1) Chronic Generalized marginal gingivitis
- 2) Chronic Generalized mild periodontitis .



# Investigation :

- Radiograph:

Orthopantomograph

# Orthopantomograph Radiograph (OPG)



**OPG interpretation :** all teeth are present , it shows multiple remaining root , what is striking about this OPG that it was asymptomatic well defined unilocular radiolucent area extending from the distal root of first premolar to the mesial root of second molar , and extending vertically from the root of first and second molar to the lower border of the mandible , pushing inferior alveolar nerve and causing resorption of the second molar root .





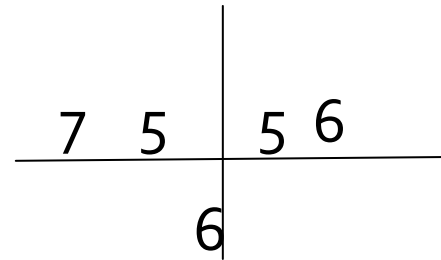
Provisional diagnosis :

Chronic generalized mild periodontitis

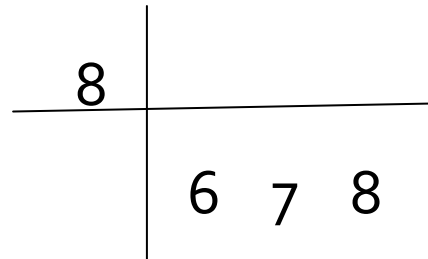
# Problem list :

1. Chronic generalized mild periodontitis

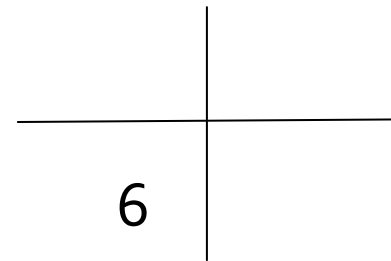
2. Multiple remaining root



3. Dental caries

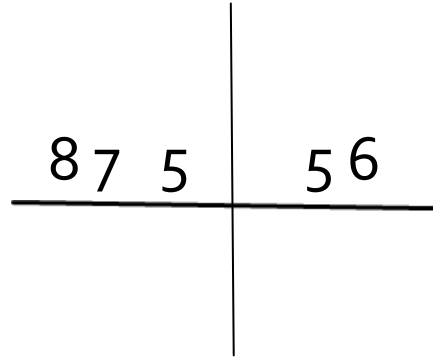


4. Periapical radiolucency related to



# Treatment plane :

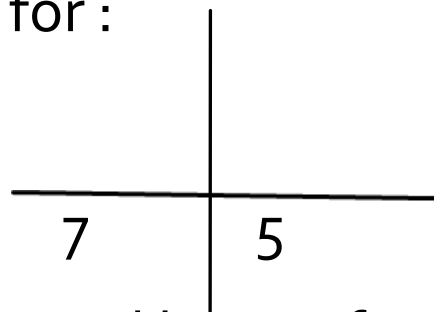
- 1 : Extraction of remaining root  
( Plaque retention )



- 2 : oral hygiene instruction , patient motivation , education , supra and subgingivally scalling .

Re-evaluation after 6 weeks

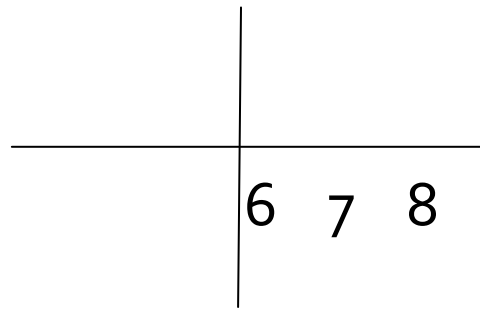
- 3 : Endodontic treatment for :



and surgical removal of the cyst and biopsy for histopathological examination

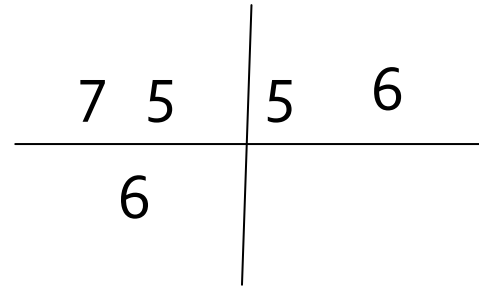


- 4. Restoration of :

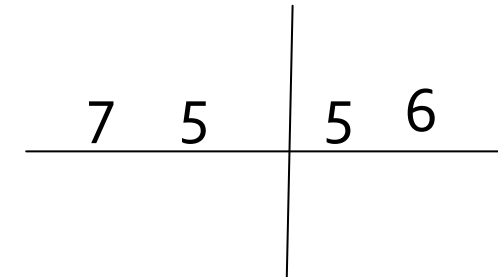


5:

- Implant replacement of :

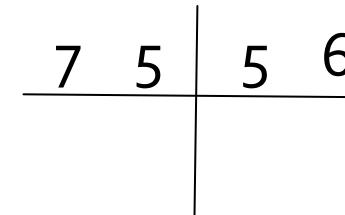
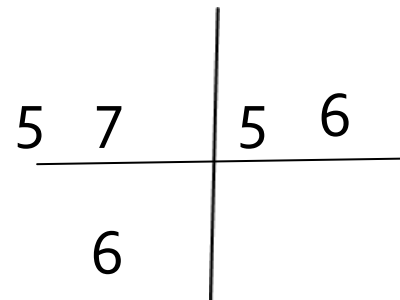


- Fixed prosthodontics replacement :

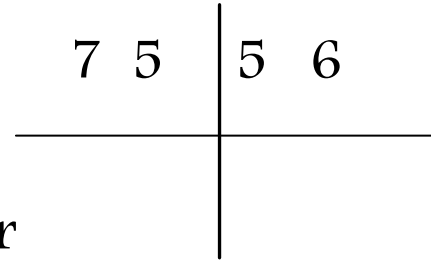


- Fixed partial denture

- Removable partial denture :

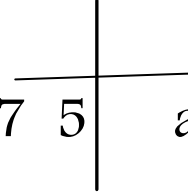


# Treatment plan

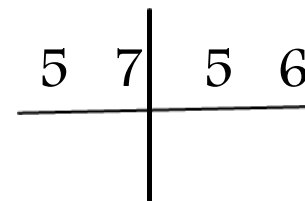


■ **Phase I** : Extraction of remaining root for

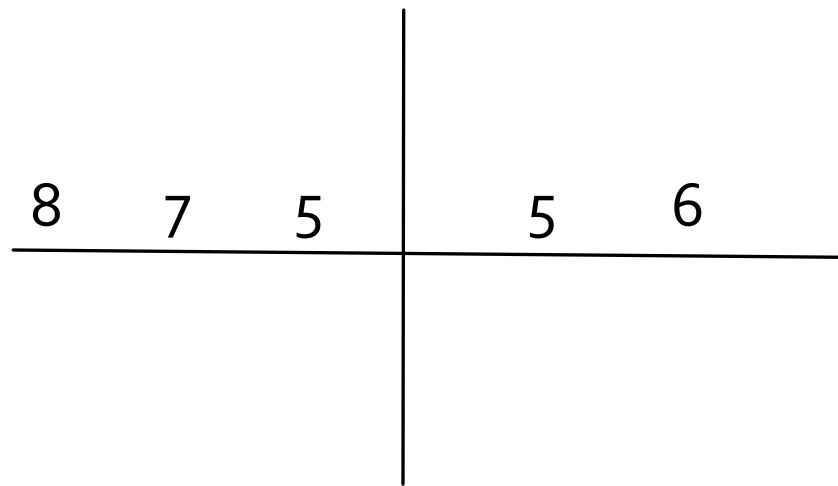
■ **Phase II** : oral hygiene instruction ,patient motivation ,education , supra and subgingivally scaling (full mouth )

■ **Phase III** : Endodontic treatment for  and surgical removal of the lesion r

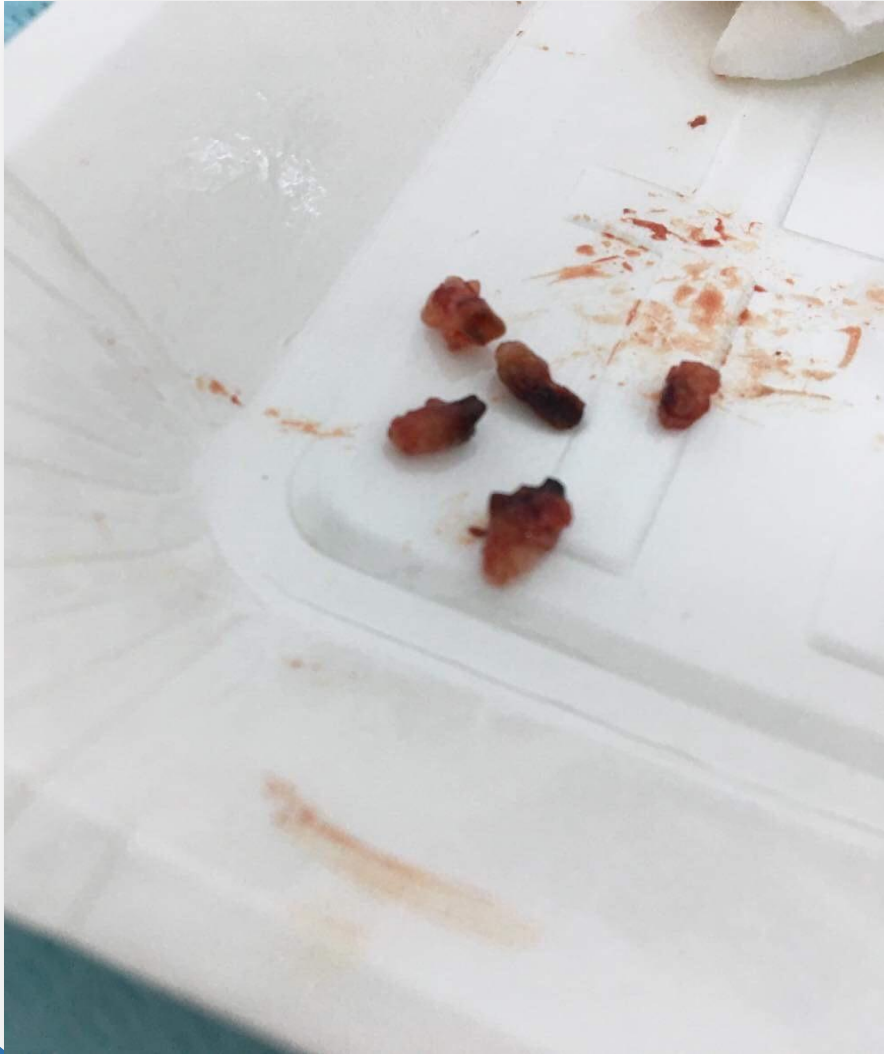
■ **Phase IV** :Removable partial denture for



# Phase I : extraction of remaining root

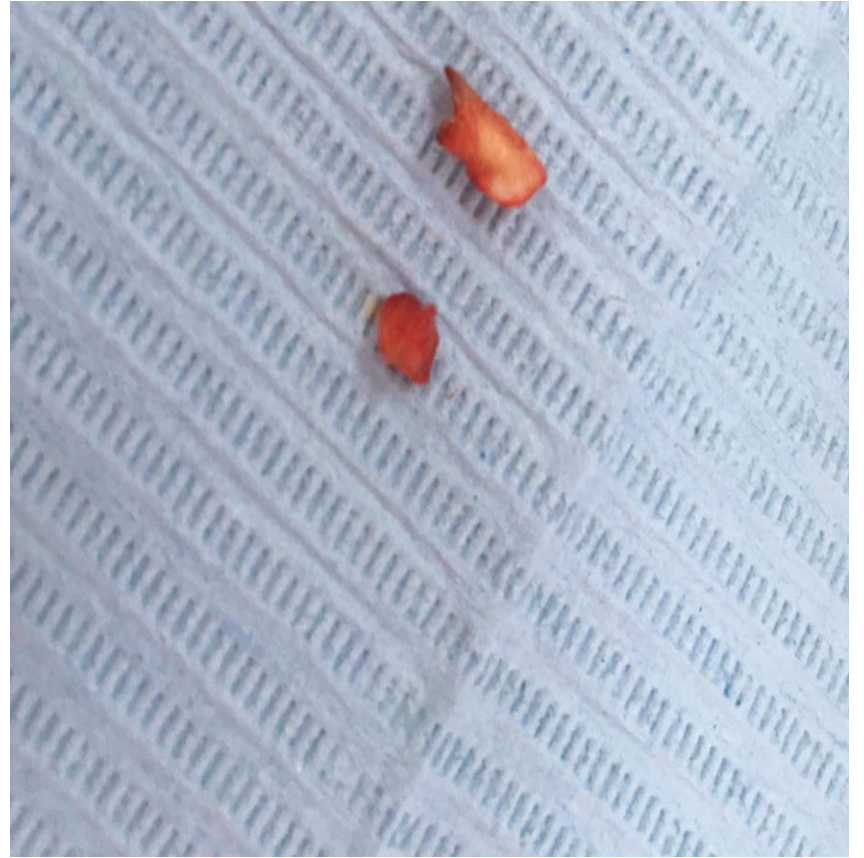
















# Periodontal status

- Bleeding on probing.
- Probing depth 4-6mm.
- Attachment loss 2-3mm.
- No teeth mobility
- No furcation involvement
- overall Prognosis : Good

## Phase II :

- Oral hygiene instructions O.H.I
- Patient motivation and education
- Full mouth scaling



Floss

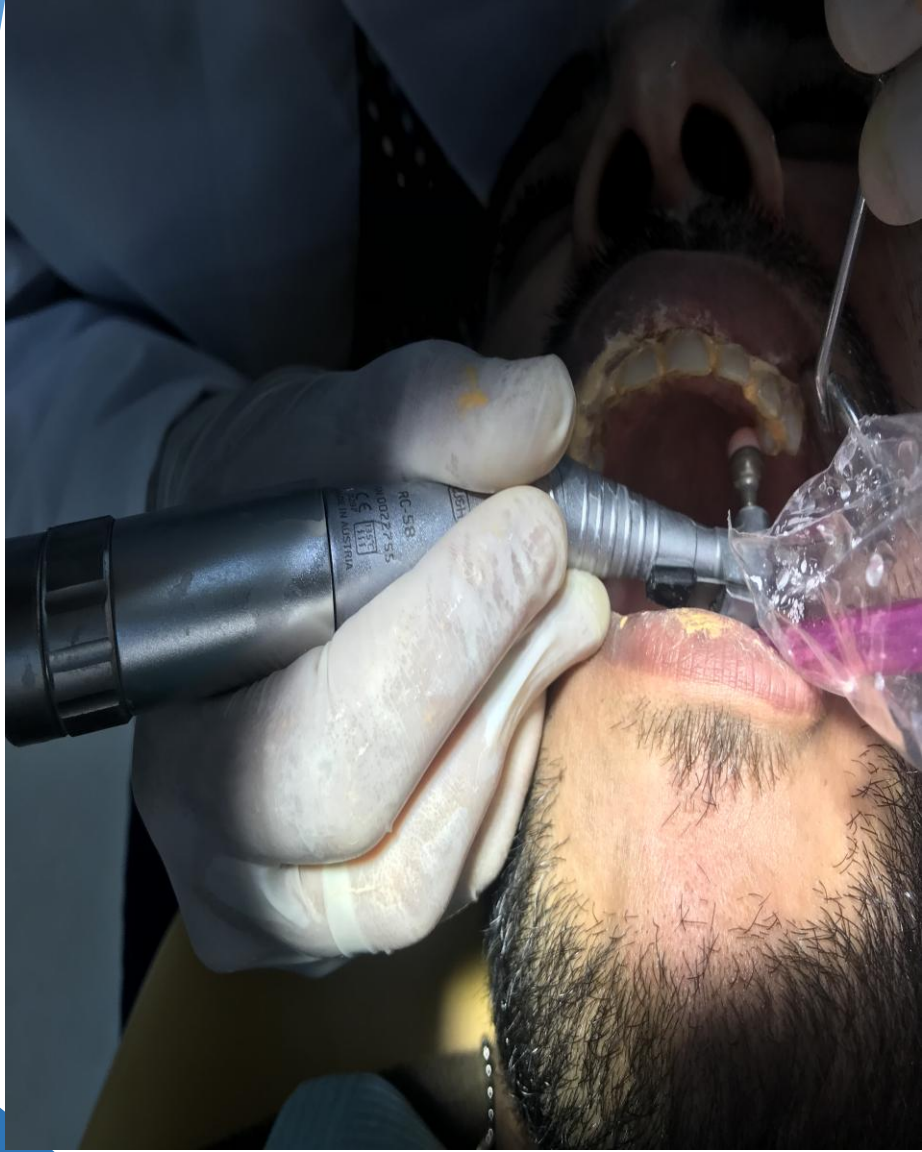


Brush



Rinse







# Re-evaluation of Phase I therapy

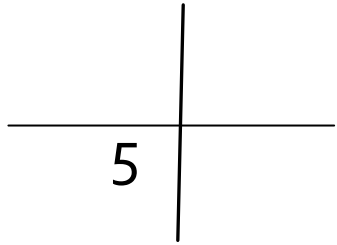
- P.t was satisfied , the **bleeding** problem was resolved .
- Probing depth 2-3mm.
- Attachment loss 1mm.
- Teeth mobility 0
- Furcation involvement 0



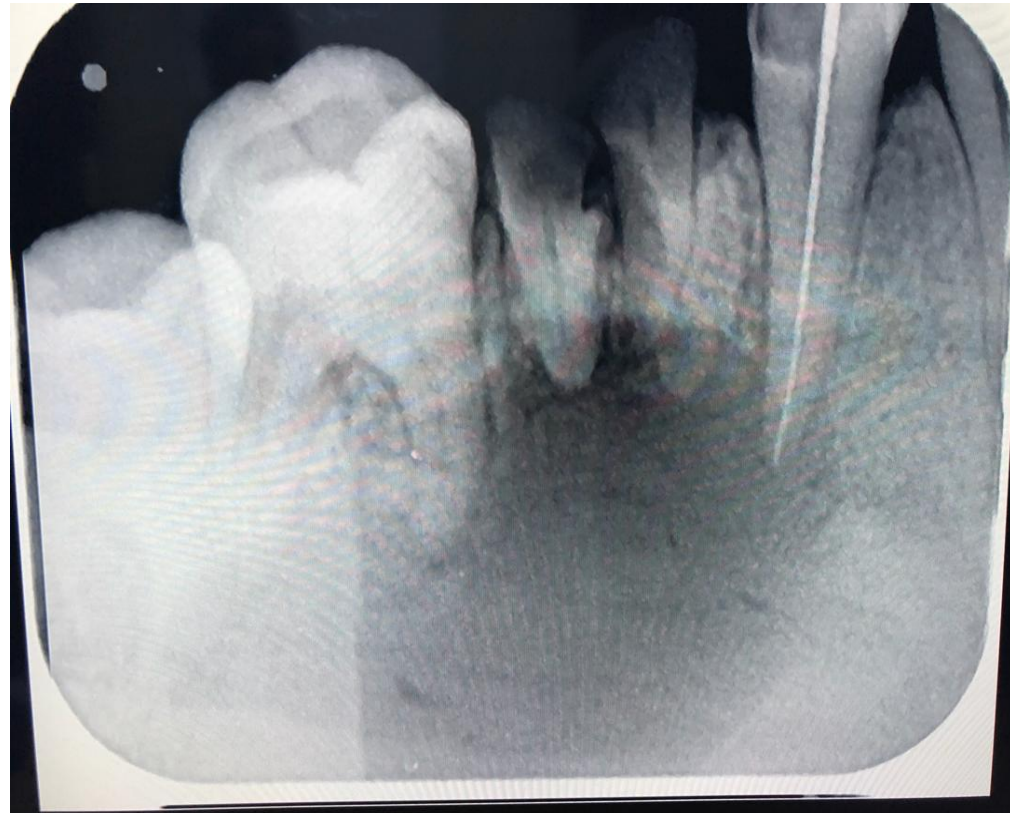
# Phase III therapy :

## A) Endodontic treatment

1)



- Access cavity preparation
- Pulp extirpation .
- Working length determination
- Step back technique .







## Obturation and lateral condensation technique:



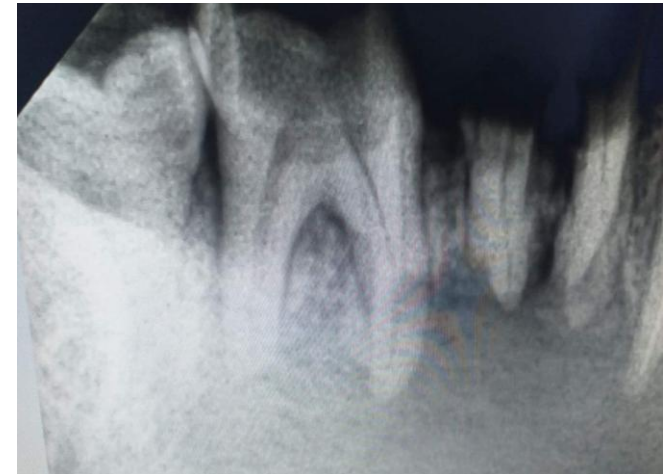
# Endodontic treatment

• 2)

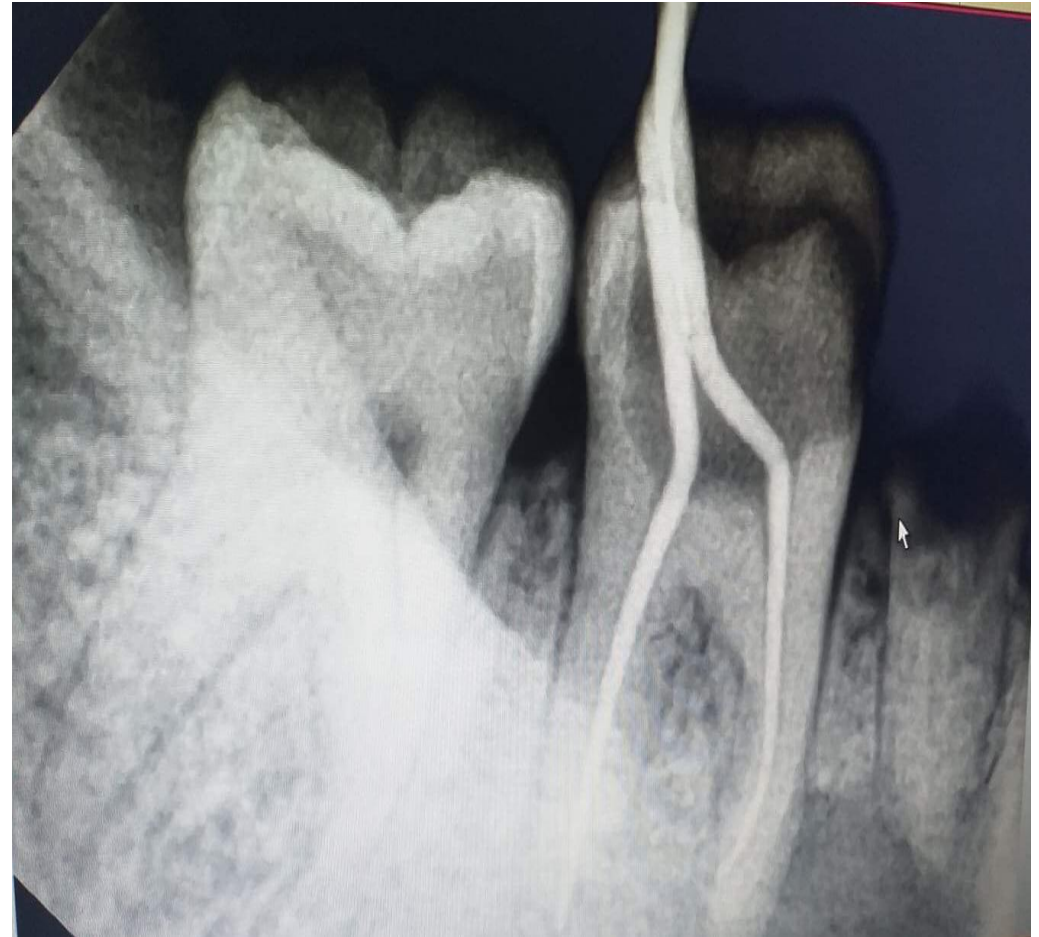
7

This tooth was referred to specialist

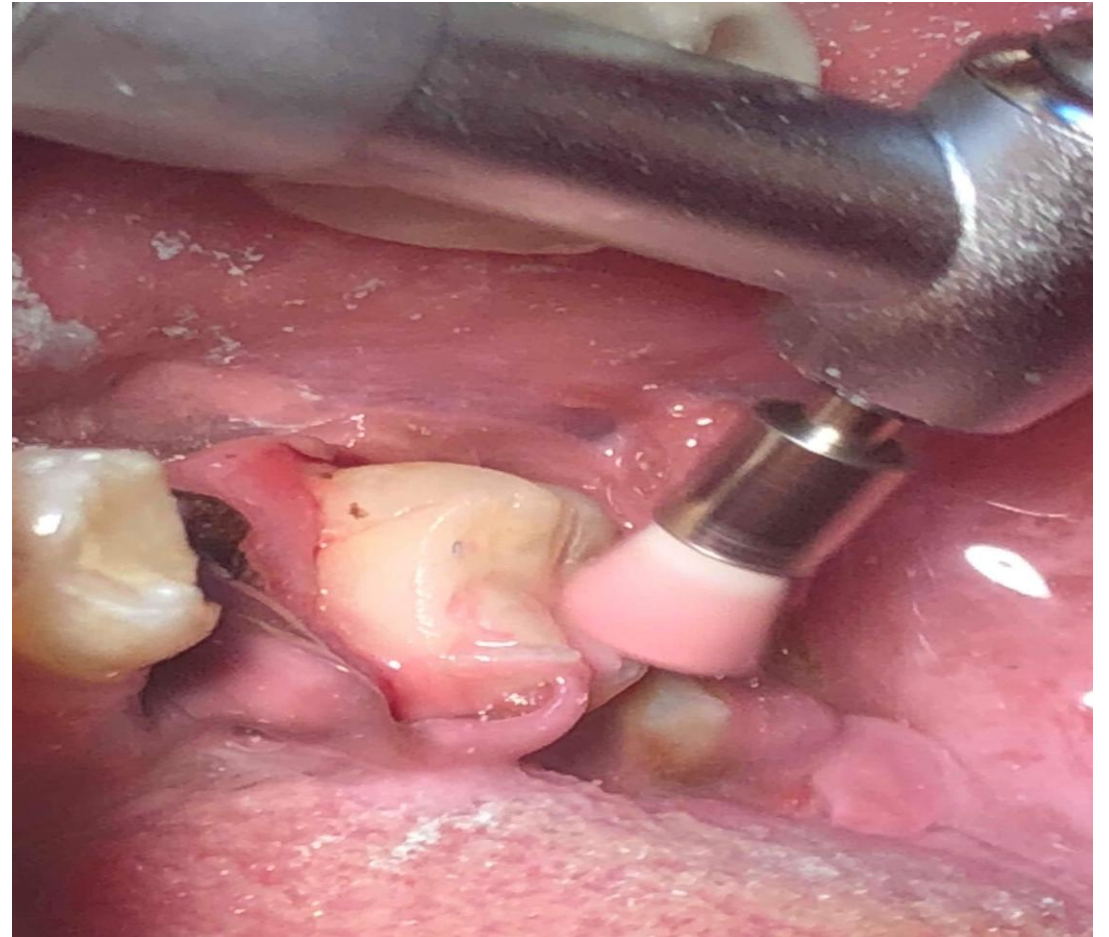
- pulp extirpation .
- determine Working length :
  - MB= 19mm**
  - ML= 21mm**
  - D=21mm**
- Biomechanical to 25 narrower
- The rest of biomechanical was done by rotary system
- Single cone obturation

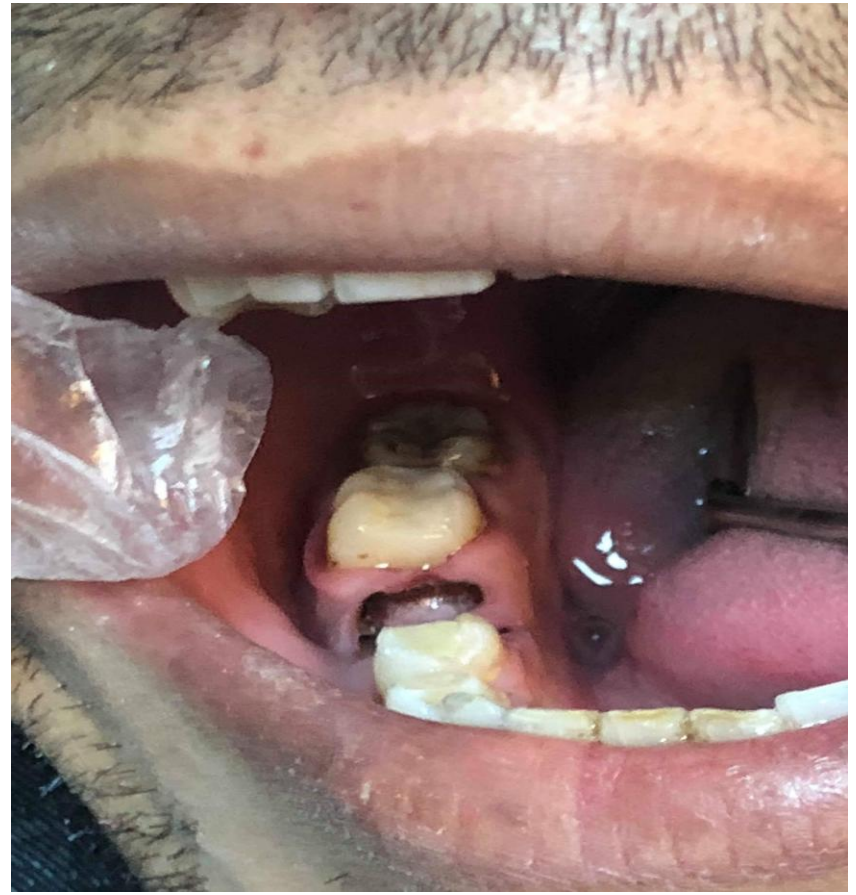








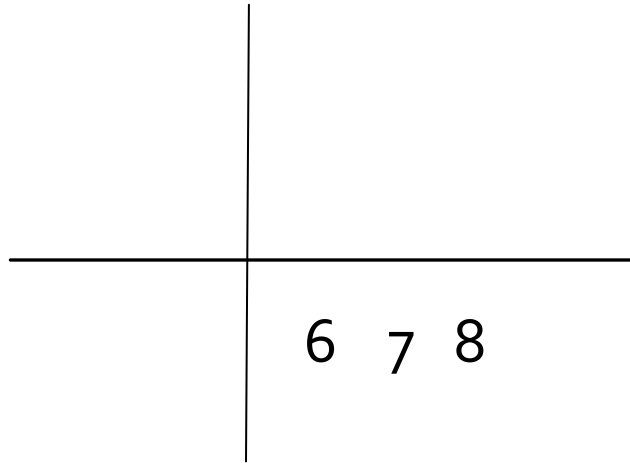






# Cont. phase 3 therapy:

Restoration for :

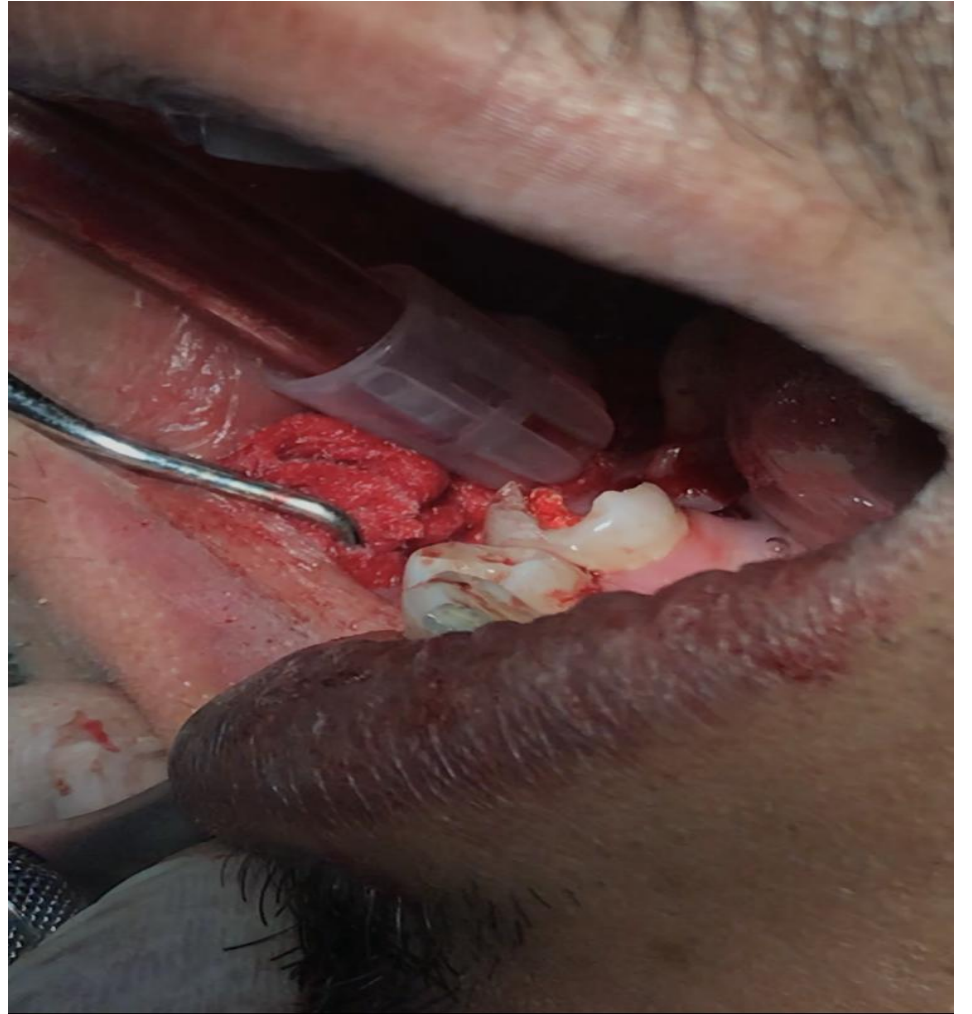




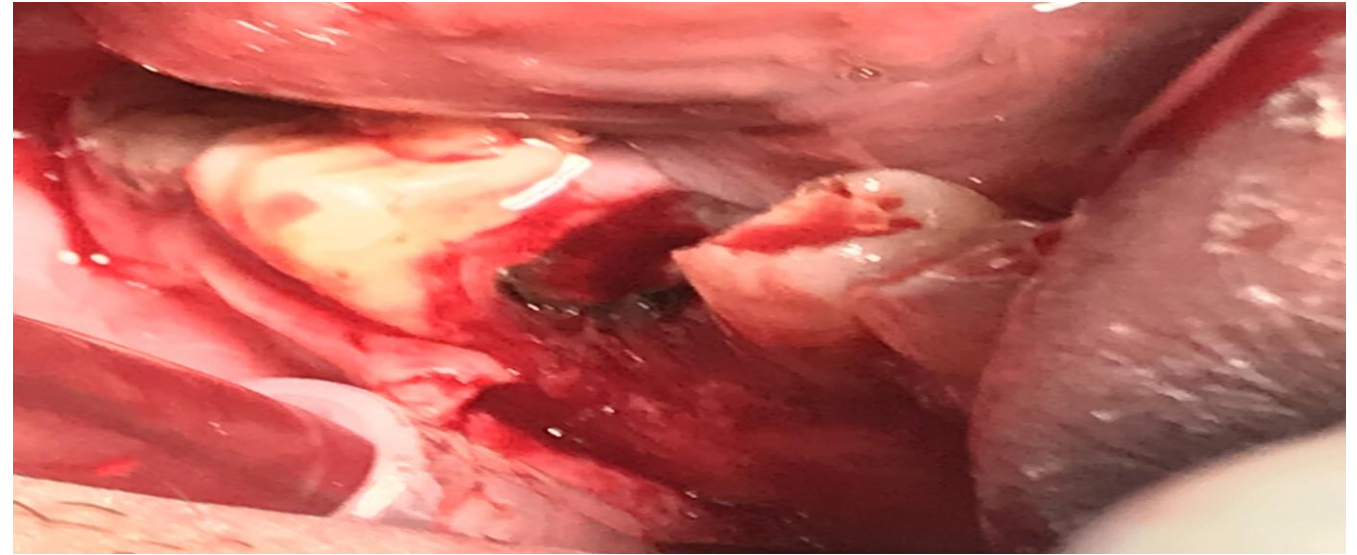
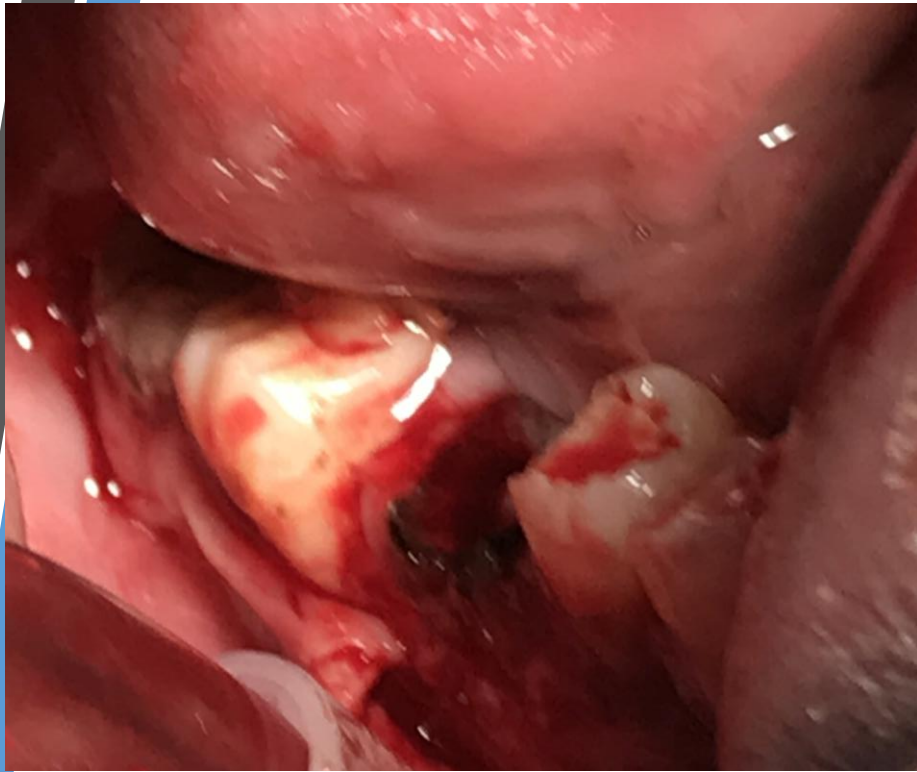


## B) Surgical removal of cyst









Removal by Enucleation with curettage









مختبر النون للتحاليل الطبية  
و العينات الجراحية - بنغازي

### Histopathology Report

Patient's Name..... [REDACTED]  
Age (DOB): ... 1983  
Hospital: ... Name of Consultant: DR. Rafik  
Nature & Site Biopsy: Excisional

Histopath Register No: 1086  
Date of receiving the specimen 7/11/2018

Gross:

Three pieces of dark gray soft tissue,  
together 1.5 x 1.5 x 0.5 cm

Micro:

Sections show highly vascular tissue lined  
by stratified squamous epithelium  
with underlying stroma heavily infiltrated by  
a mixture of lymphocytes, neutrophils & plasma cells beside  
numerous thin-walled blood channels

▷ Capillary Hemangioma,  
infected

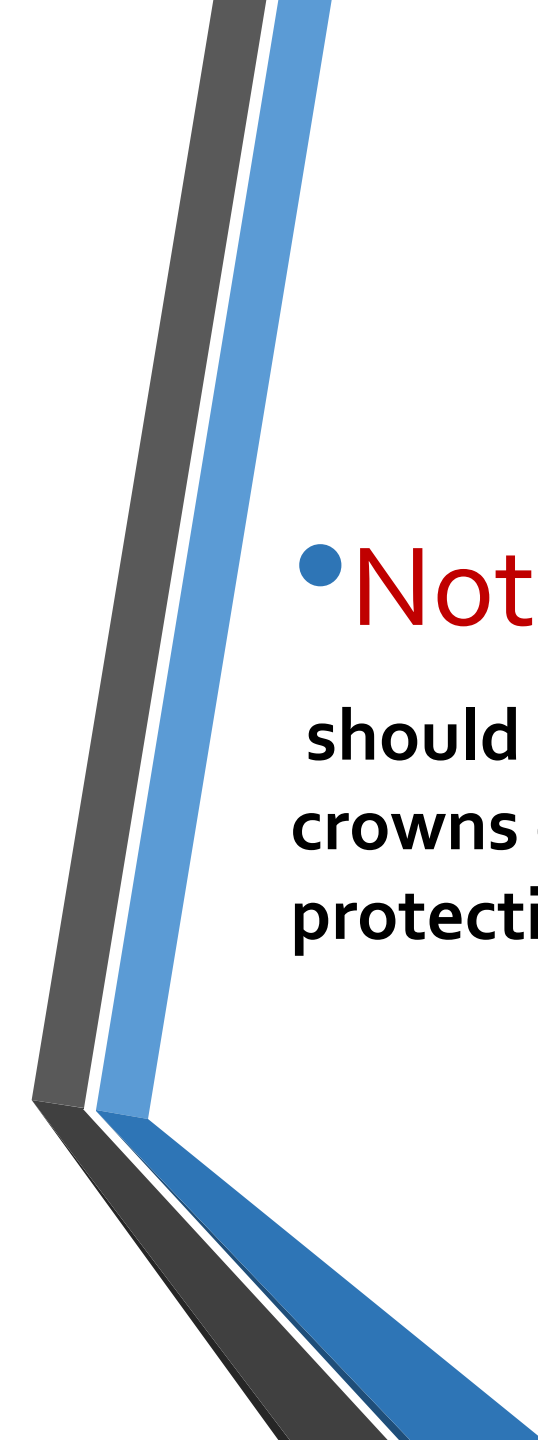
د. فوزي عبد القادر بوغرارة  
15/11/2018



- The histopathology report reveals **capillary hemangioma**  
!!!!!!!!!!!!!!!!!!!!!!!!!!!!

Which was against our clinical finding during the removal of the lesion .

So the next step will be going with second opinion

- 
- **Note :** The endodontically treated tooth 

7	5

 should receive final restoration (( fixed prosthesis )) such as crowns or bridge to preserve the integrity of tooth structure and protection from fracture .

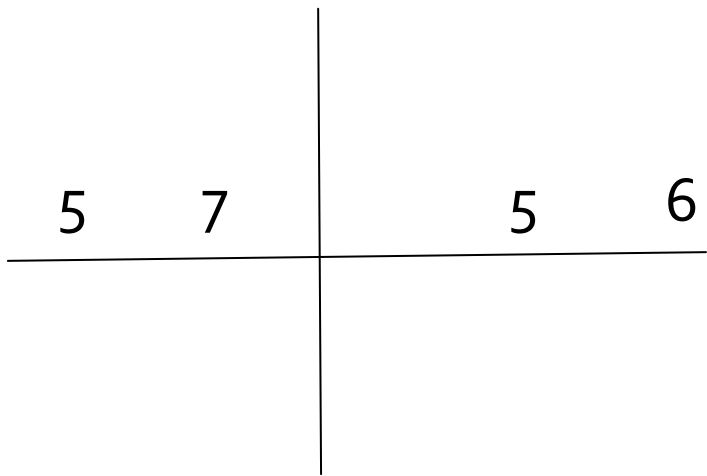
# Phase IV therapy : Removable partial denture

primary impression was taken

by :

alginate material





# Before and After





# Before and After



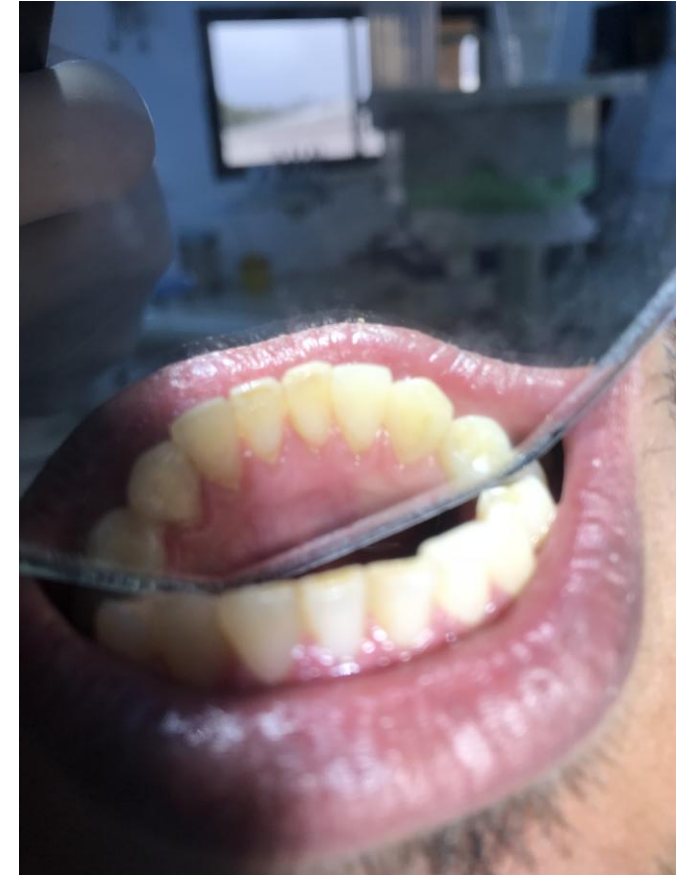
# Before and After



# Before and After



# Before and After



This OPG was taken after nearly 1 month after surgical removal of the lesion





Any questions  
are welcomed

????

Thank you for  
your kind  
attention .

