



Libyan International Medical University



Faculty Of Dentistry

Comprehensive Case

Presented by: Hesham Mehana

Student number: 793



This work was done under the supervision of dental teaching staff
at LIMU.

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Personal Data

Name: M.M.F

Age: 37 years (1981)

Gender: Male

Nationality: Libyan

Adress : Al laithy

Occupation: civilian personnel

Social status: Married, father to 2 sons

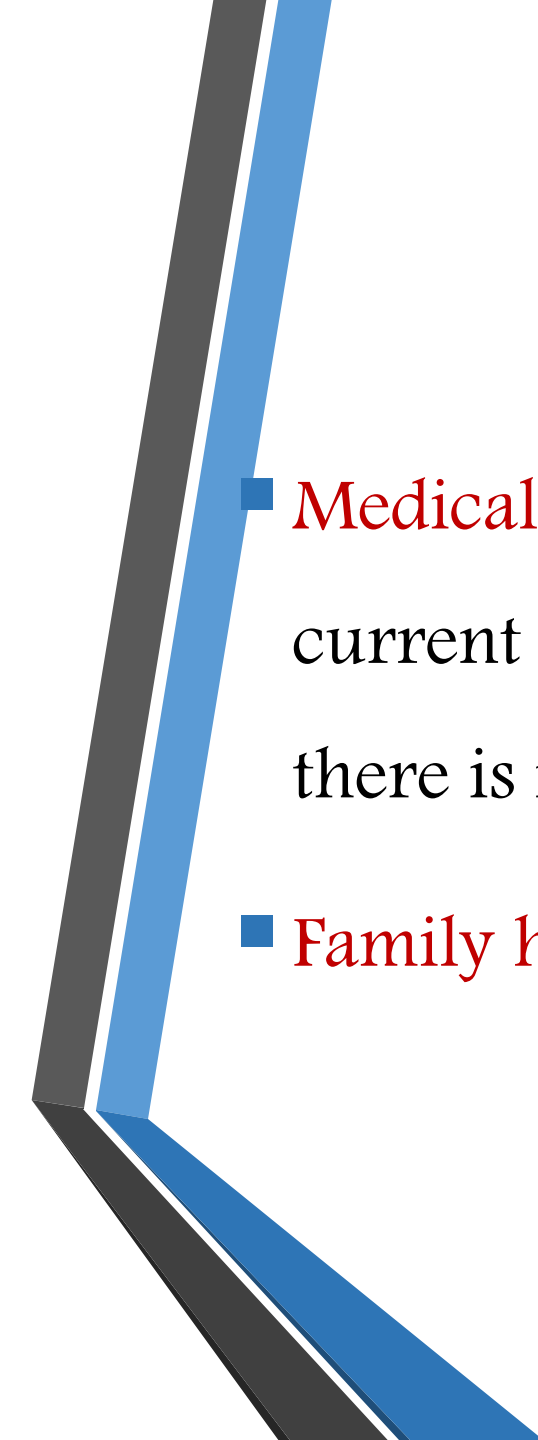
Chief Complain & History of Chief Complain

■ C.C.:

Patient Came to our dental clinic complaining of pain in the upper right Jaw since 1 week

■ H.C.:

Pain started 1 week ago. It is mild electric shock like pain and intermittent. Pain is only felt with cold or sweet stimulus. Pain is relieved when stimulus is removed. The pain is well localized. There are no associating symptoms. Patient doesn't take analgesics to relief pain.

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- **Medical history** : young adult who is medically fit with no past or current medical disease, patient doesn't take medication, and there is no past or current known allergy .
 - **Family history** : Diabetic and hypertensive mother.

Social history :

- Married ,and a father to 2 boys
- Patient doesn't smoke
- Diet : regular diet .(3 meals per day)
- Water consumption (1L of water / day).

Dental history

Patient's last visit to a dental clinic was in 1995 where he had a serial extraction for orthodontic reasons, without complications.

Patient never had any orthodontic treatment.

He is not a frequent brusher. (brushes occasionally)



Clinical

examination



Extra-oral examinations

- Face is symmetrical.
- Skin color is normal without any scarring
- TMJ is normal (no clicking, tenderness, deviation, or dislocation).
- There are no palpable lymph nodes

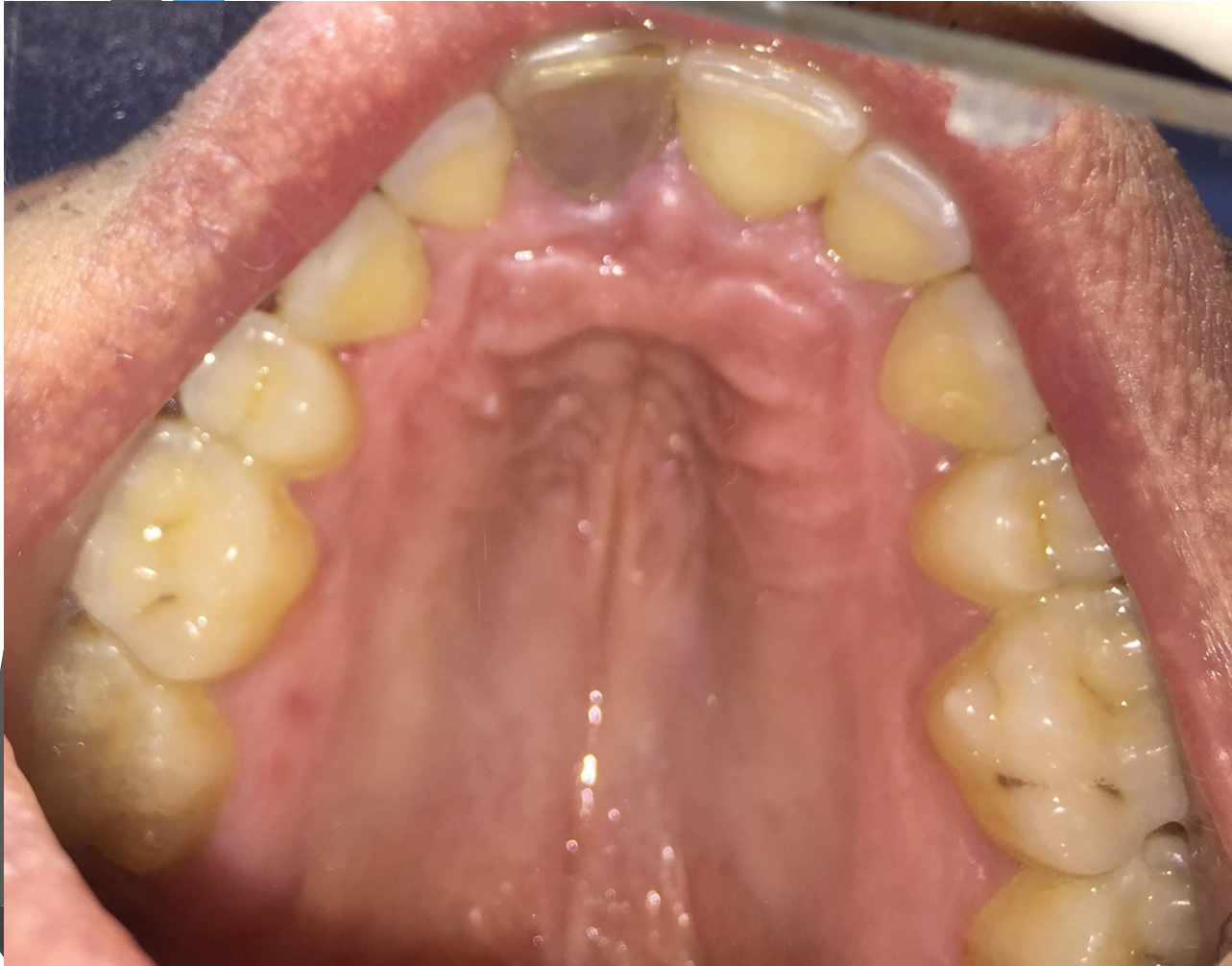


Intra oral examination :

Intra-oral Photos :

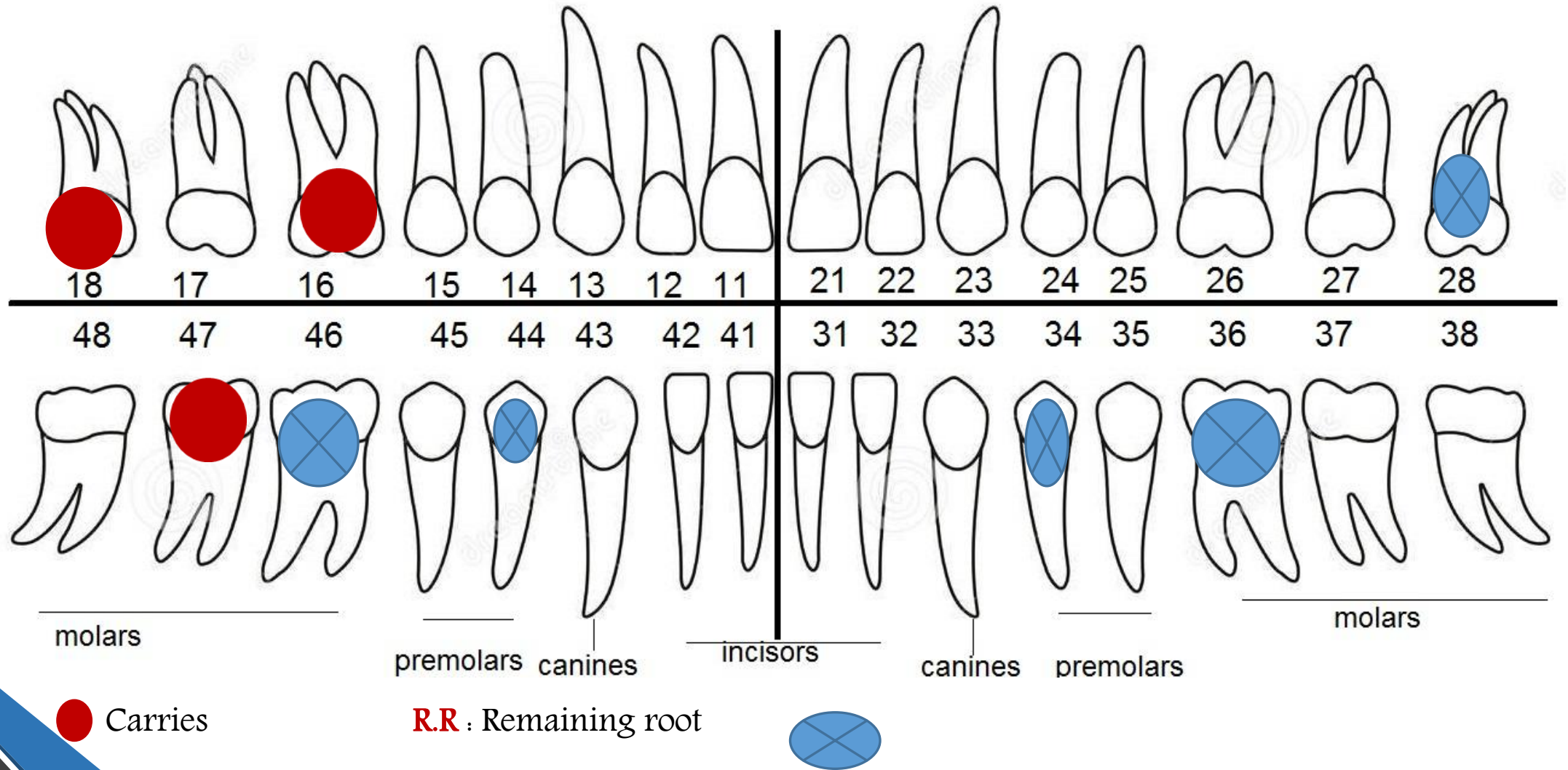








Dental Chart



Periodontal Status

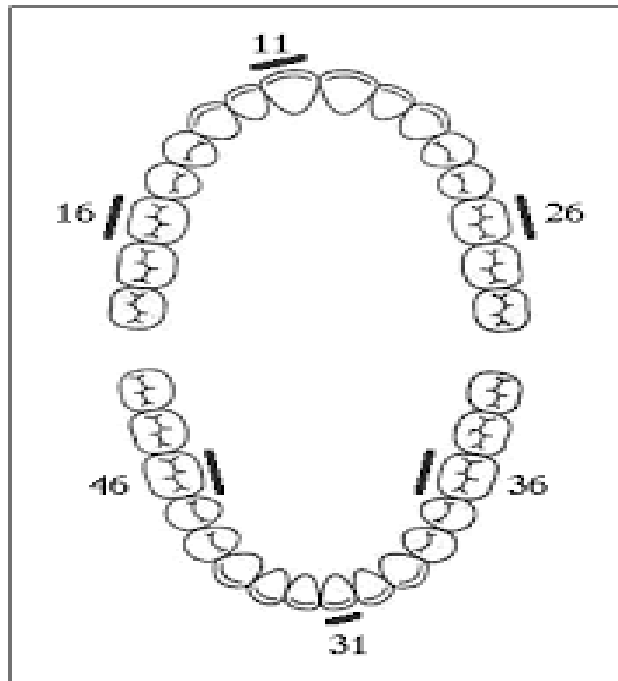
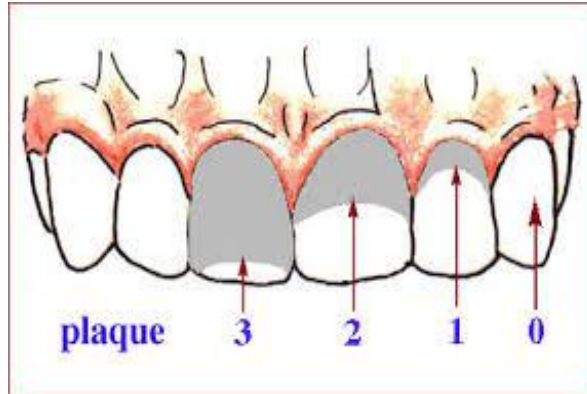
- Bleeding on probing.
- Probing depth 1-2 mm.
- Attachment loss 1-2mm.
- No teeth mobility
- No furcation involvement
- overall Prognosis : Good

Intra_oral examination :

16	11	26
46	31	36

Plaque index : 0

$OHI+S = 0 + 0.6 = 0.6$



16	11	26
1	2	1
46	31	36

Calculus index : $4/6 = 0.6$

Good (0-1.2)

Fair (1.3-3)

Poor (3.1_6)

Differential diagnosis of chief complain :

- 1) Dentine hypersensitivity (18)
- 2) Acute reversible pulpitis (18)



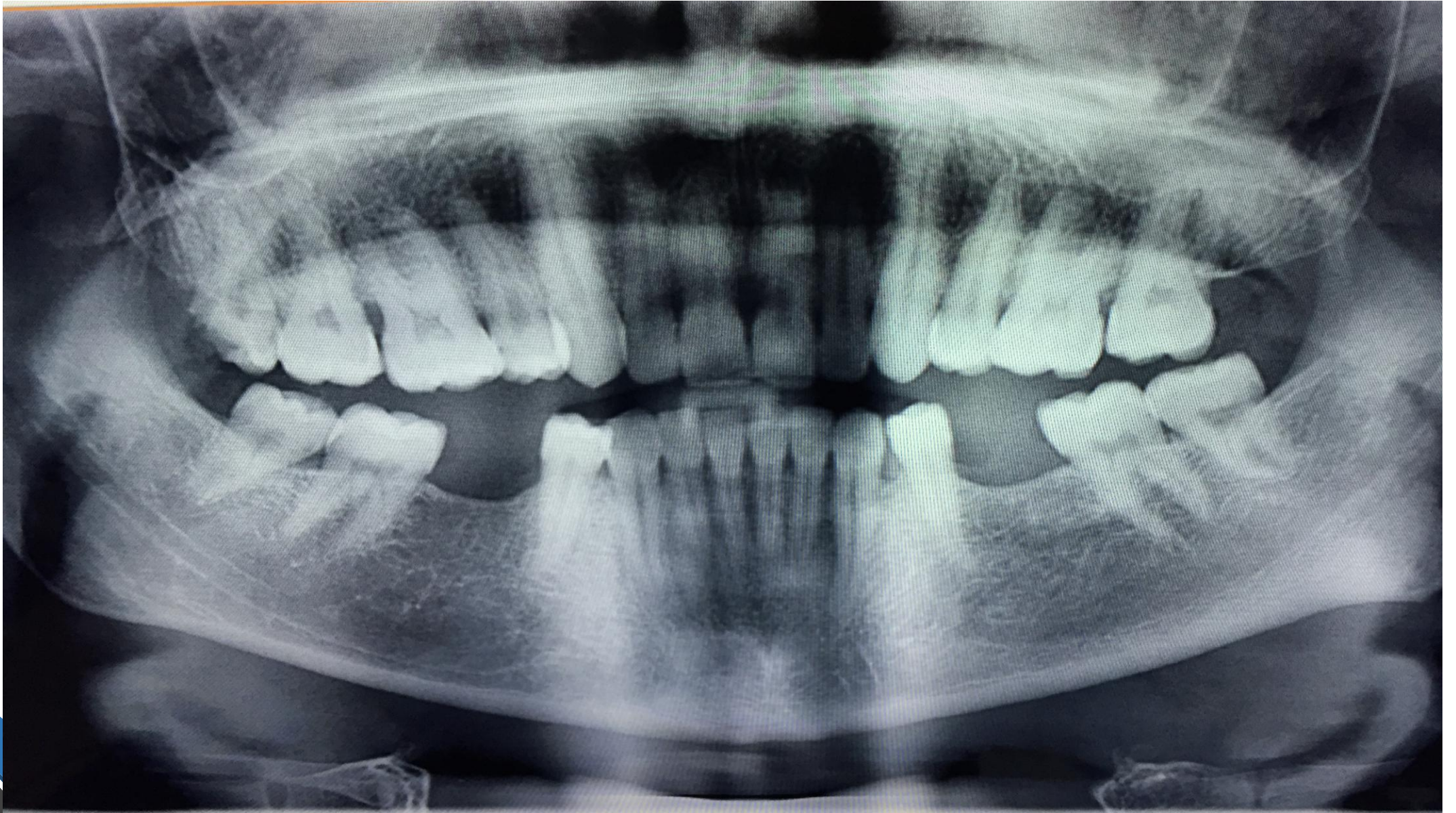
Investigation :

- Radiograph:

OPG

IOPA

Orthopantomograph Radiograph (OPG)





Provisional diagnosis :

Dentinal caries (18)

Final Diagnosis :

1. Pulp necrosis .(21)

2 . Localized mild chronic periodontitis

3. Dental caries $\frac{86}{7}$

4. Missing Teeth $\frac{64}{46}$

Treatment plan :

- 1 :: oral hygiene instruction ,patient motivation ,education , scaling.

- 2: Extraction (18)

- 3: Endodontic treatment of (21)

Restoration

6		
<hr/>		
7		

- 4: Replacement of missing teeth

<hr/>		
6 4		4 6

Phase I :

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



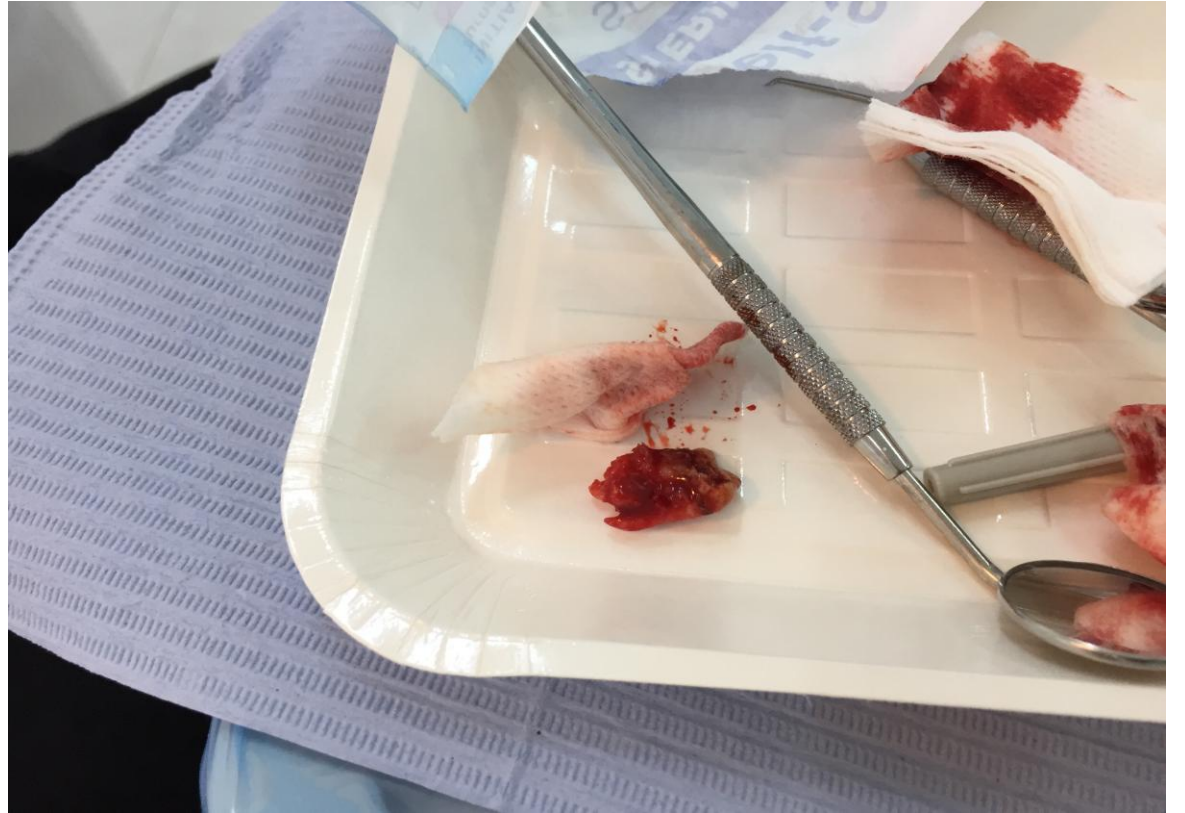
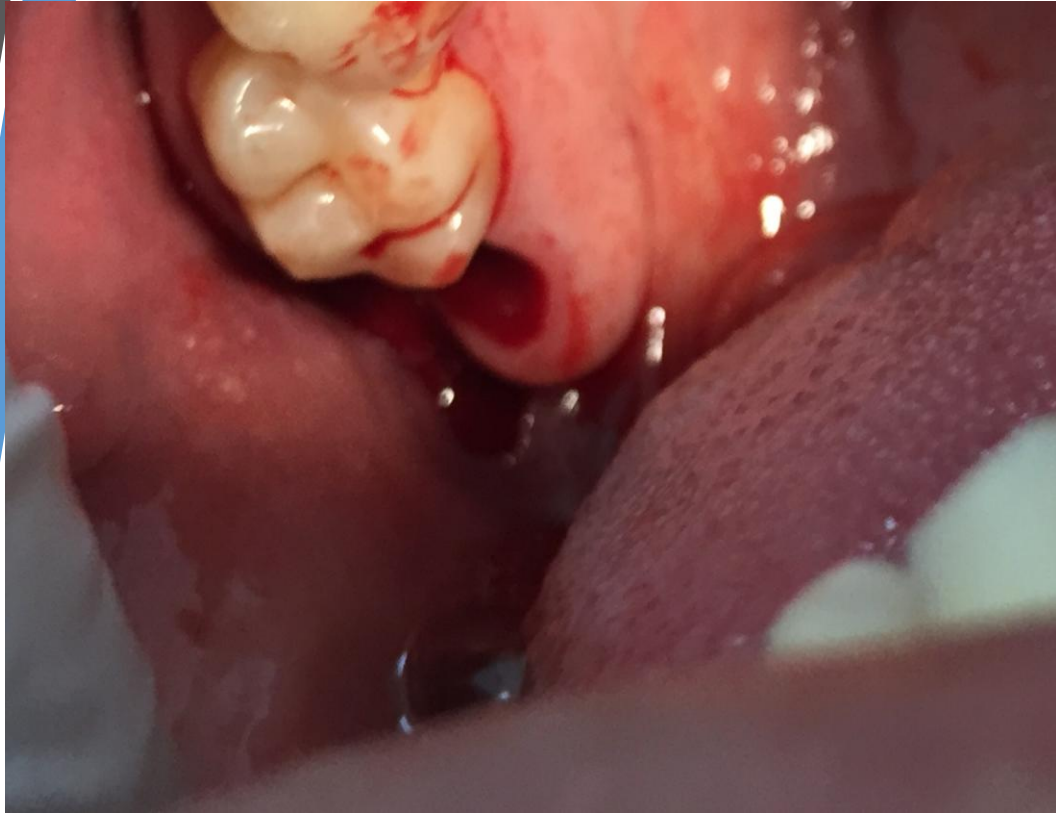
Re-evaluation of Phase I therapy

- Probing depth 1mm.
- Attachment loss 1mm.
- Teeth mobility 0
- Furcation involvement 0

Phase II therapy : extraction

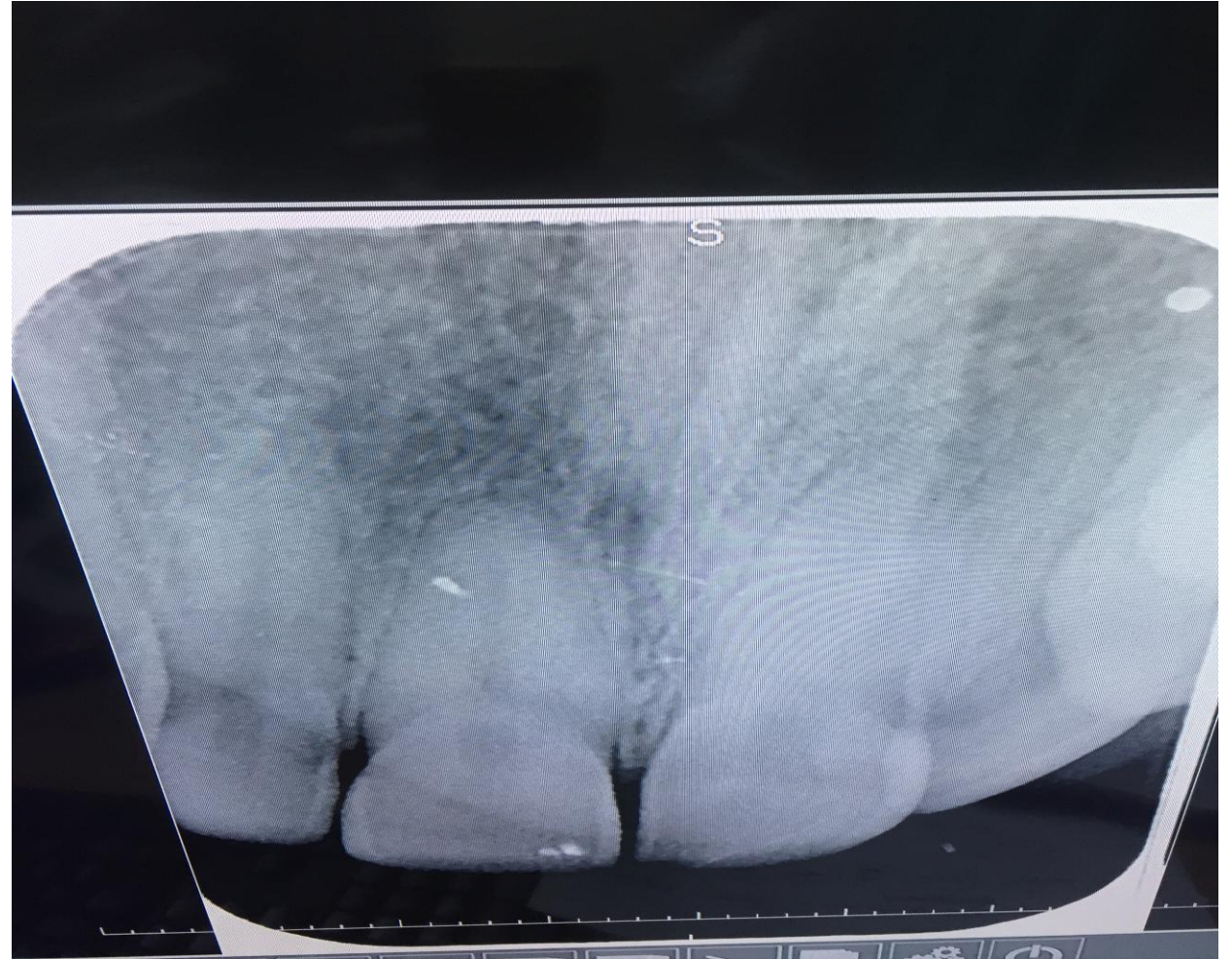
Pre-operative radiograph



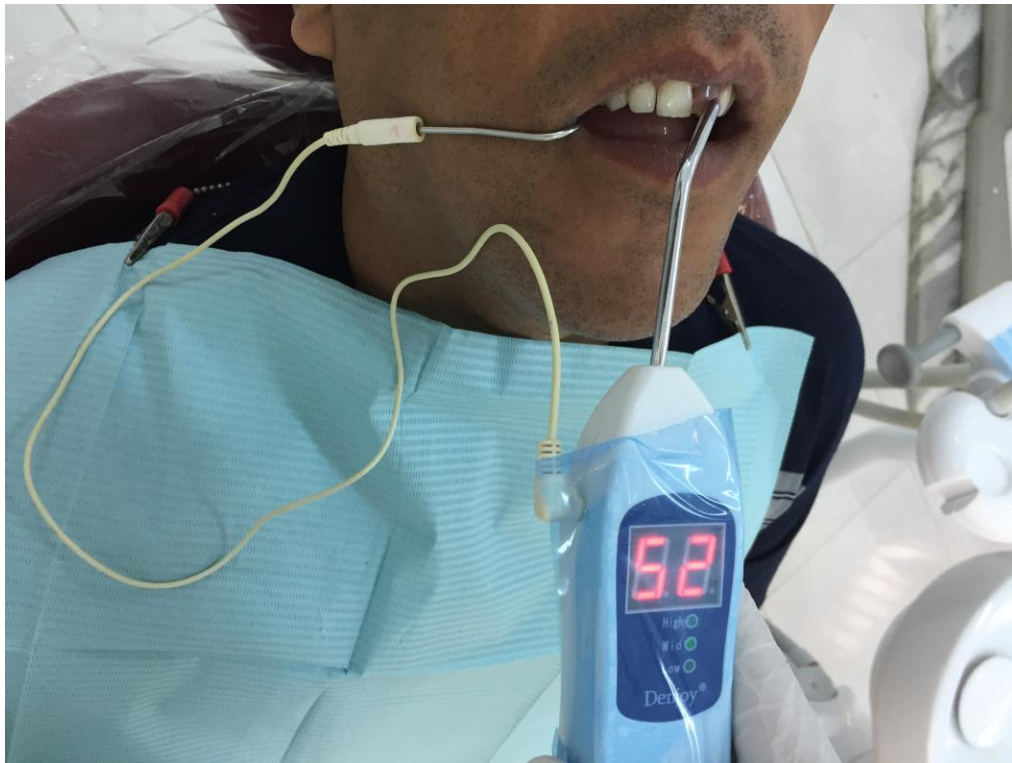


Phase III

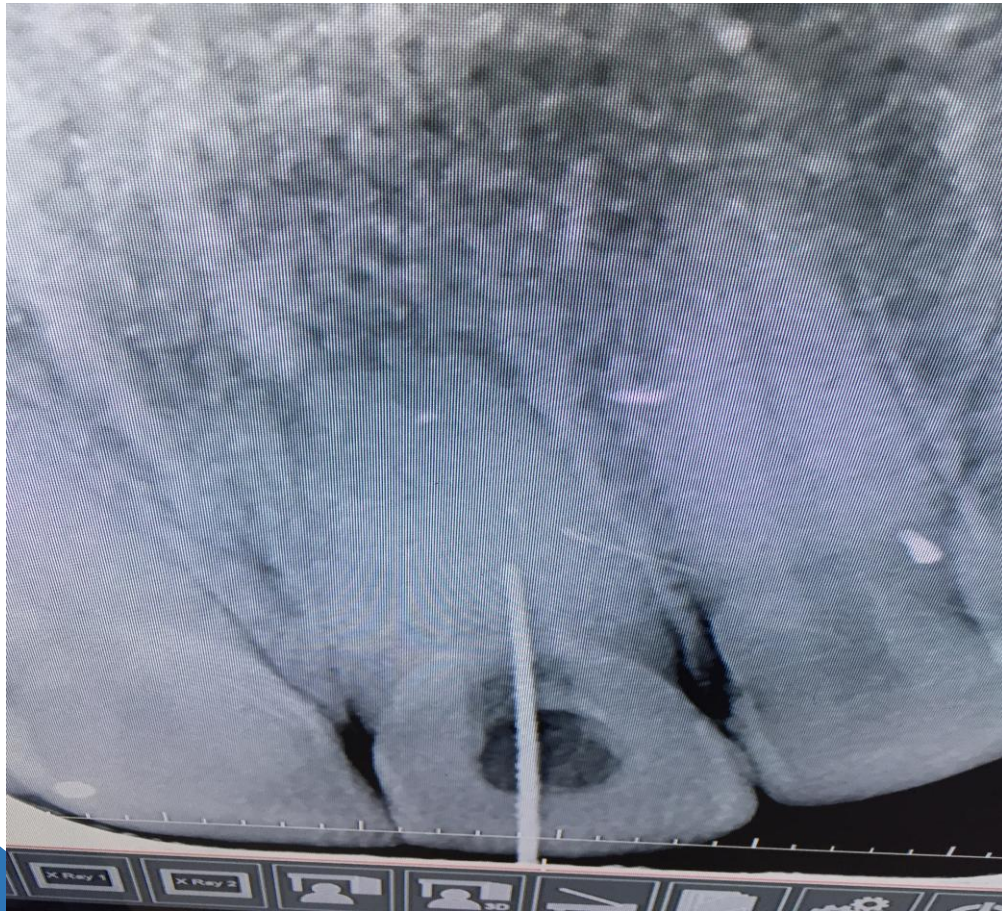
Pre-operative Radiograph



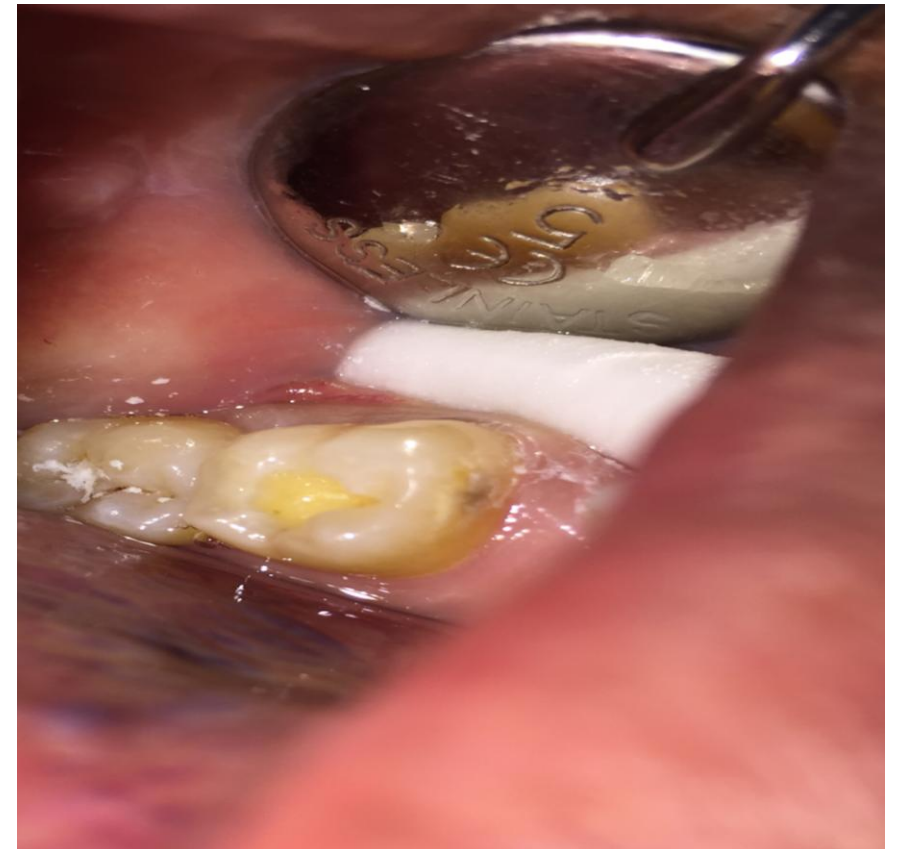
Vitality test



- NOTE: after trying for 3 visits with no results the pt. was referred to a specialist



Restoration of carious teeth





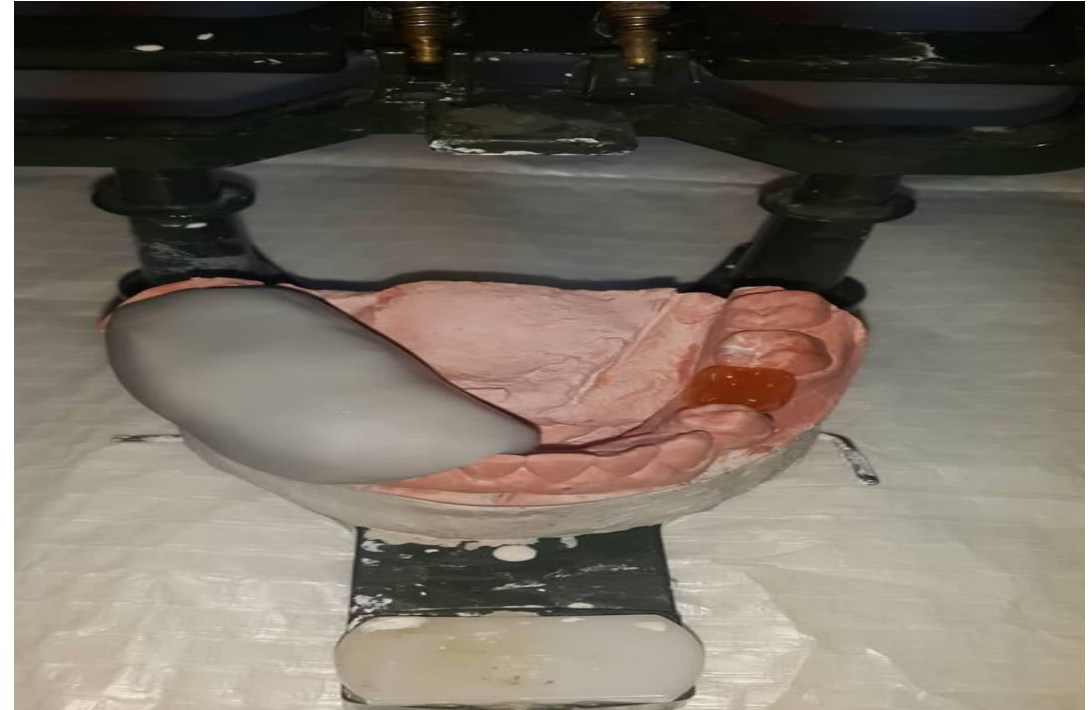
Phase III Therapy

- Fixed Partial Denture

Primary impression by alginate.



- Diagnostic cast with wax up and index



- Teeth prep. with sub gingival margin



- Fabrication of temporary bridge with the index.



Using retraction cord before taking
Final impression



- Final impression using double mix 1 step technique



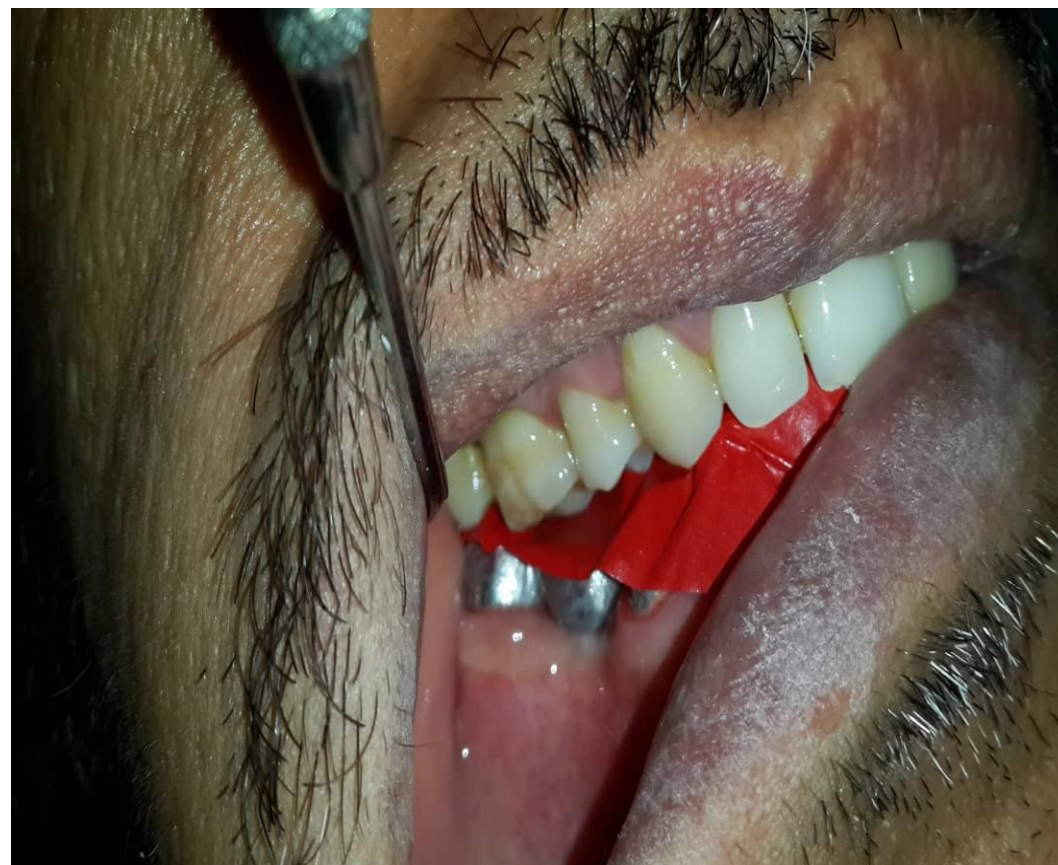
- Metal Try- in



- Checking the stability of the Metal try-in.



- Checking marginal adaptation • Checking for occlusal clearance



- Shade Selection



- NOTE: the pontic was non hygienic so it was adjusted, and the bridge was
Sent again to the lab for glazing



- Trial cementation for PFM bridge
- Checking occlusion for any high point



Final cementation



Checking proximal contact



Before and After



Before and After



Before and After



Before and After





Any
questions????

Thank you for
your kind
attention .

