



Comprehensive Case – Full Mouth Rehabilitation

Presented By:

Weeam Salah Elbeera

Role Number: 887

This work was achieved by the student **Weeam Salah Elbeera**
Under the supervision of the dental teaching staff at *Libyan International
Medical University*

- ❖ Dr. Rafik Alkuafi
- ❖ Dr. Abdelmonem Abdelnabi
- ❖ Dr. Nada Kashbour
- ❖ Dr. Omar Alhouni
- ❖ Dr. Rania El-emam
- ❖ Dr. Ali Bosnina
- ❖ Dr. Amal Alawami
- ❖ Dr. Randa Alhassi

Personal Data

Name: R.A.B

Age: 24 years

Gender: Male

Nationality: Libyan

Occupation: Student

Social status: Single



Chief Complaint

Replacement of missing anterior tooth that was lost 10 years.



History Of Chief Complaint

Tooth was lost 10 years ago due to trauma (fell during play). Remaining root was extracted two days later. Prosthetic replacement (RPD) was constructed 5 years ago. However patient only used it for one month because he was not feeling comfortable with it.

Medical And Social History



Medical history

- History of facial palsy at the age of 2 years
- Otherwise, medically fit
- Systemic review revealed no underlying medical conditions

Allergic history

- No allergy patient aware of

Drug history

- Currently not on any medications
- No history of recent medications

Family history

- No family history of disease

Social History

- Single
- non-smoker
- no alcohol consumption
- No drug abuse

Dental History

Last Dental Visit: 5 years ago.

Treatment provided: construction of RPD

Other dental visits: Extraction of remaining root of fractured incisor 10 years ago

Oral Hygiene Practice:

- **Tooth Brushing frequency:** Not regular (3 times / week)
- **Tooth Brushing method:** Vertical and horizontal
- **Type of dentifrice:** not specific
- **Other physiotherapeutic aids:** No



Extra-oral Examination

Face: Asymmetrical smile

Skin: Normal

TMJ Health: No tenderness
No clicking
No deviation
No dislocation

Lymph Nodes: Not palpable
Not tender

Lips: Competent



Extra-oral Photographs

Lip Line: Low

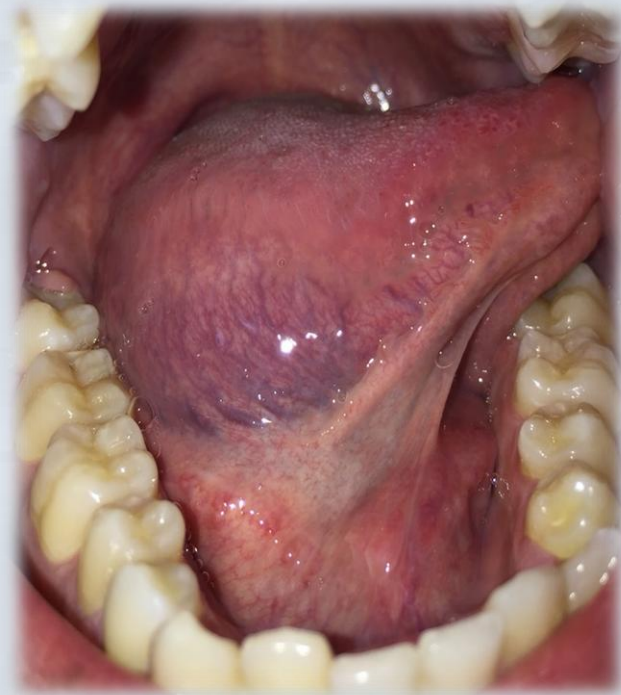
Smile Line: Curved

Appearance zone:
up to 1st molar

Straight Profile

Intra-oral Examination

Soft Tissue Examination

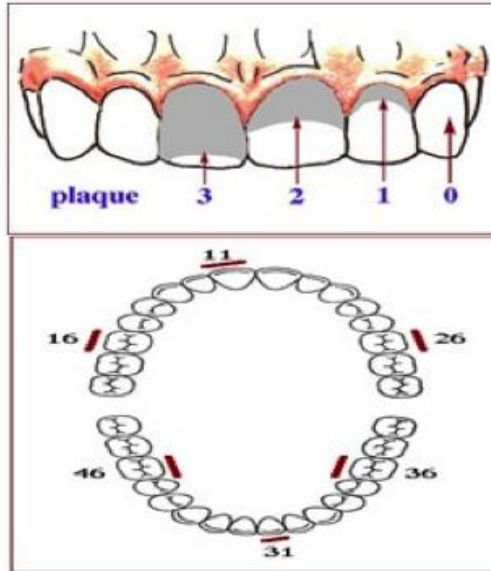


Intra-oral Examination



Oral hygiene Index

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



16	11	26
0	0	2
0	0	1
46	31	36

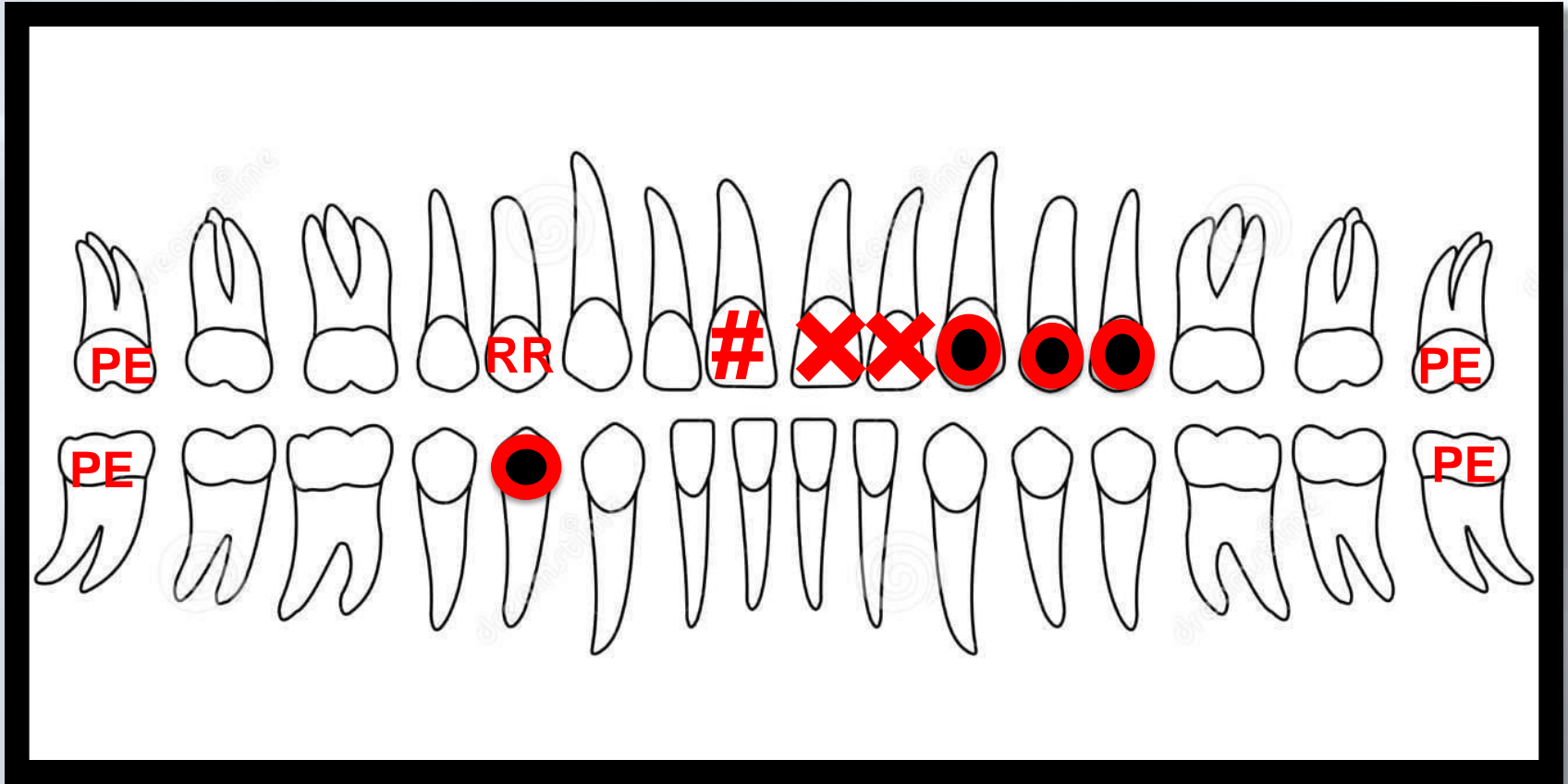
Plaque Index = $\frac{5}{6}$ =

OHI-S = $0.8 + 0.5 = 1.3$

Calculus Index = $\frac{3}{6} = 0.5$

Good (0-1.2), ✓ Fair (1.3-3), Poor (3.1-6)

Dental Chart



X = Missing ● = Decayed # = Fractured RR = Renaming root PE = Partially erupted

Gingival Status

Colour	Reddish Pink
Contour	Scalloped, blunt IDP, round margin
Size	Normal except slight swelling in upper right anterior area
Stippling	Present
Position	Coronal to CEJ
Bleeding On Probing	Positive
Exudation	Negative

Intra-oral Photographs



Front view



Right side



Left side



Upper Arch



Lower Arch

Extra Oral Orthopantogramic Radiograph



R
VATECH

OPG Analysis

OPG Radiograph Showing:

- All teeth are present except upper left central and lateral incisors.
- Remaining root of upper right first premolar.
- All 3rd molars are present.
- No abnormality or cystic lesion.
- Few decayed teeth with no previous restorations.
- Adequate bone level except in anterior area with mild bone loss.

Final Diagnosis

- Kennedy Class III Modification 1 (maxillary arch)
- Localized mild – moderate chronic periodontitis
- Remaining root $\underline{4}$
- Carious teeth $\begin{array}{c|c} & 345 \\ \hline 4 & \end{array}$
- Fractured tooth $\underline{1}$



Treatment Plan

Phase I: Oral hygiene Instructions + Scaling + Preventive Resin Restoration 67 ,
Pit & Fissure Sealant 765 45

* *Reevaluation of Phase I*

- Phase II: Extraction of remaining root 4 , + Gingivectomy + Frenectomy
- Phase III: Restoration of carious teeth 4 , Root Canal Treatment of 1 345 ,

Prosthetic Replacement of Missing teeth 4 12

Cantilever bridge X45

Fixed – fixed bridge 1 X2

Porcelain Veneer 2

Resin Bonded Bridge 5X3

- Phase IV: Maintenance and recall

Phase I

Phase I – OHI

- Patient was given advice about the importance of oral hygiene.
- Bass Method tooth brushing technique demonstrated.
- Advised to use soft tooth brush.
- Dental flossing demonstrated.



Phase I – Scaling



Calculus seen on non-functional side



Pit & fissure sealant + PRR



Reevaluation of Phase I

- ✓ Patient showed improvement of oral hygiene.
- ✓ Reduction in pocket depth (average of 1 mm)



Phase II

Phase II – Gingivectomy & frenectomy



High frenal attachment



Frenectomy



Pseudopocket



Gingivectomy



Phase II – Extraction



Non- restorable decayed remaining root 4 indicated for extraction.



Tooth was completely extracted without fracture of root.



Socket checked and decompressed

Phase III

Phase III – Class II



Class II cavity 4

Composite A2

RCT and post & core

Upper Left 2nd Premolar

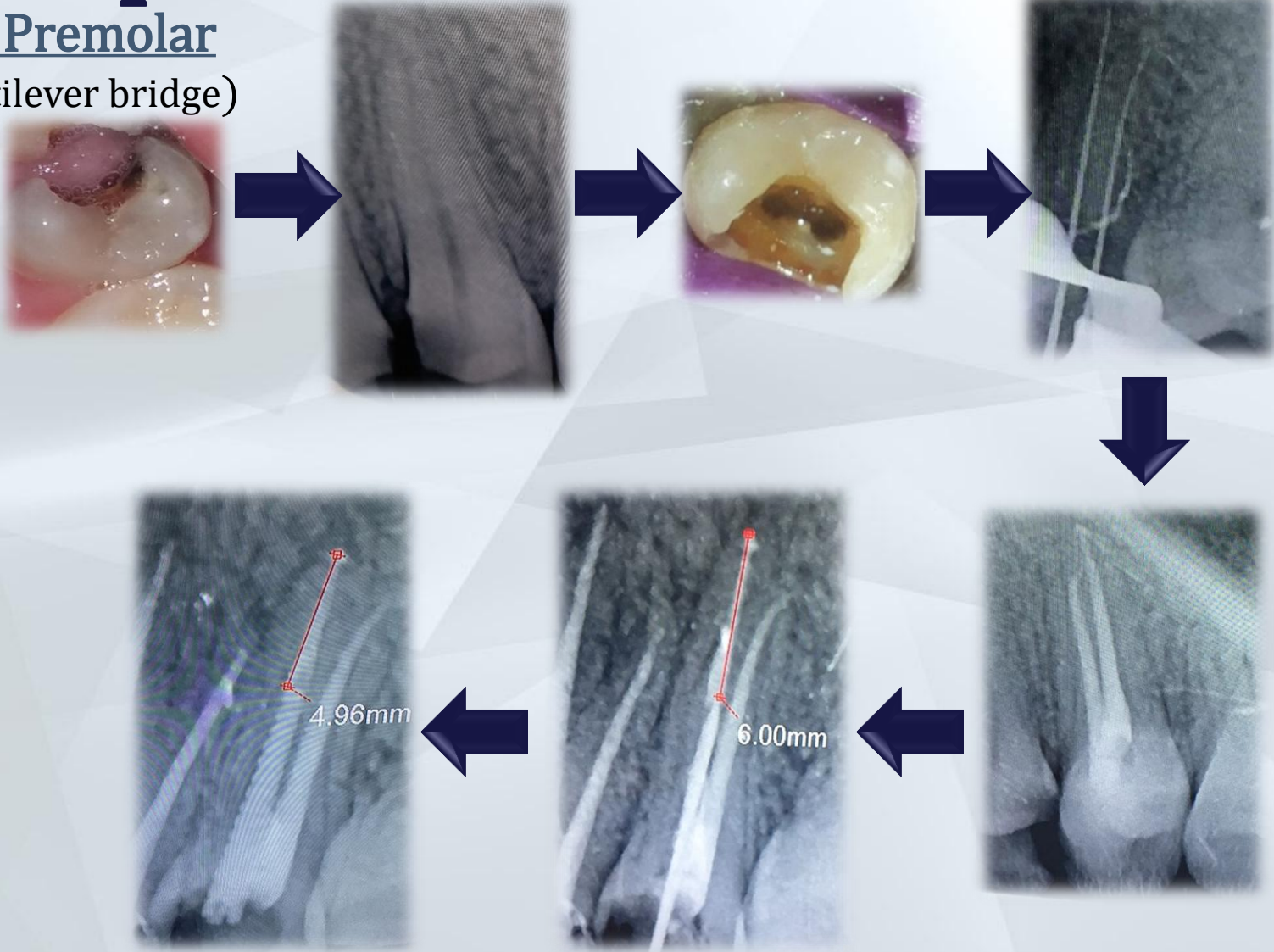
(Abutment for cantilever bridge)

- RCT using *Pro taper* Rotary system

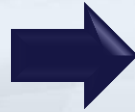
- **Technique:**
Crown down

- Ready made metallic post

- Cementation using resin cement



Core build up
Material: Composite

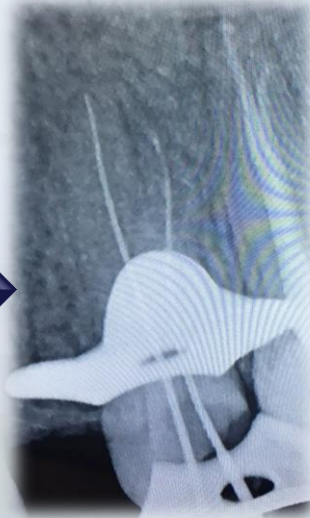


Upper Left 1st Premolar

(Abutment for cantilever bridge)

“Intentional RCT”

- Step back technique
- Ready made fiber post
- Cementation using resin cement
- Core build up
Material: Composite

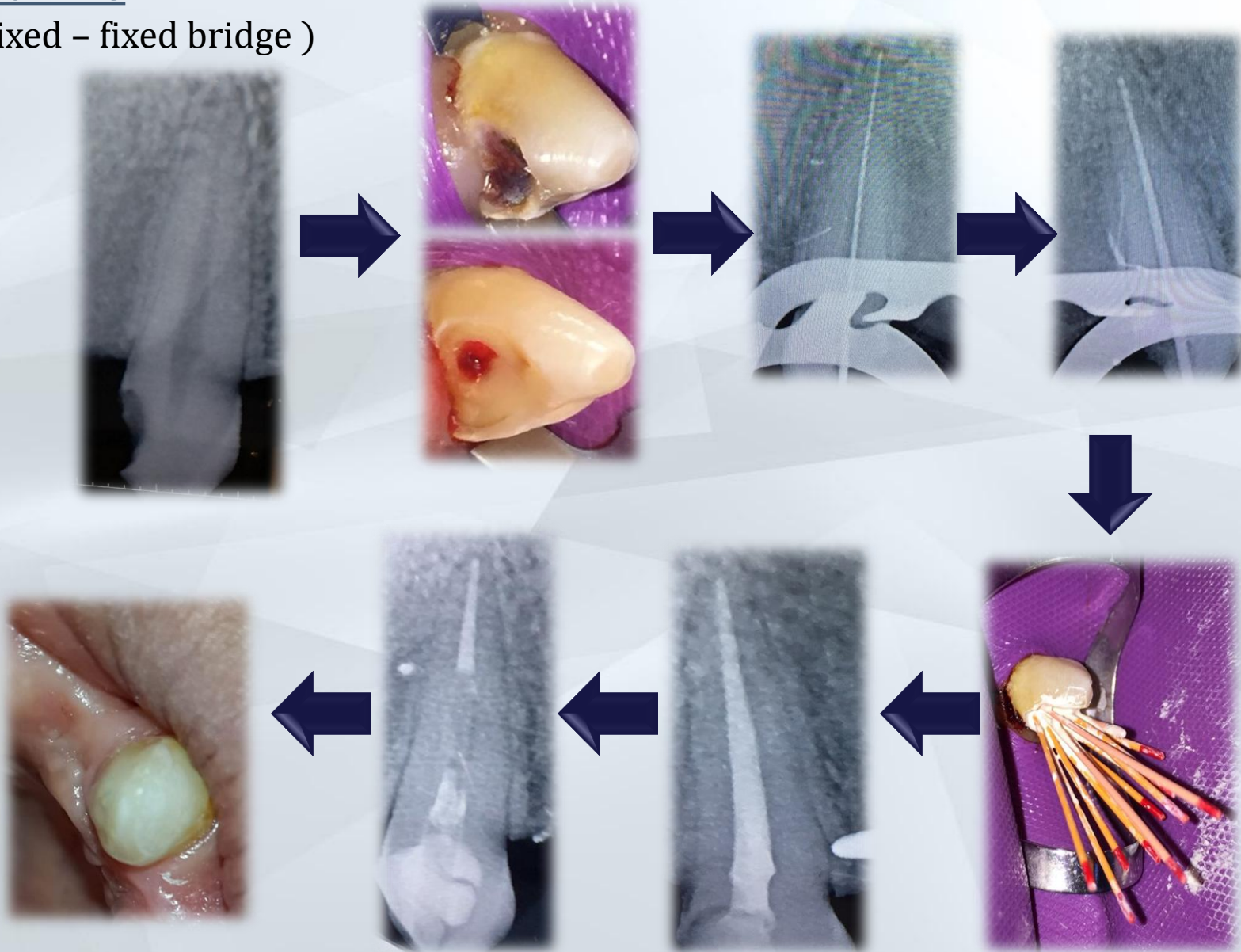


Upper Left Canine

(Abutment for fixed - fixed bridge)

"Intentional RCT"

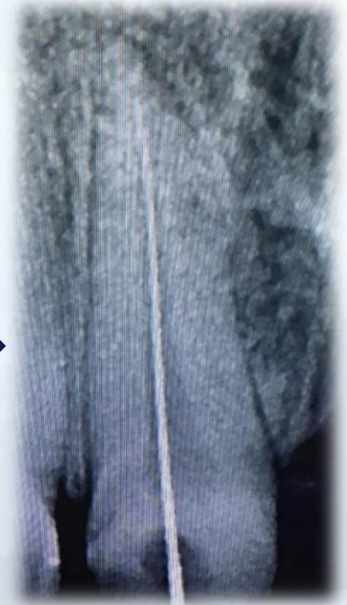
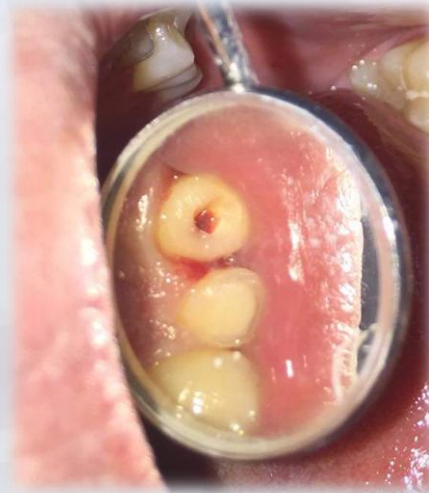
- Step back technique
- Ready made fiber post
- Cementation using resin cement
- Core build up Material: Composite



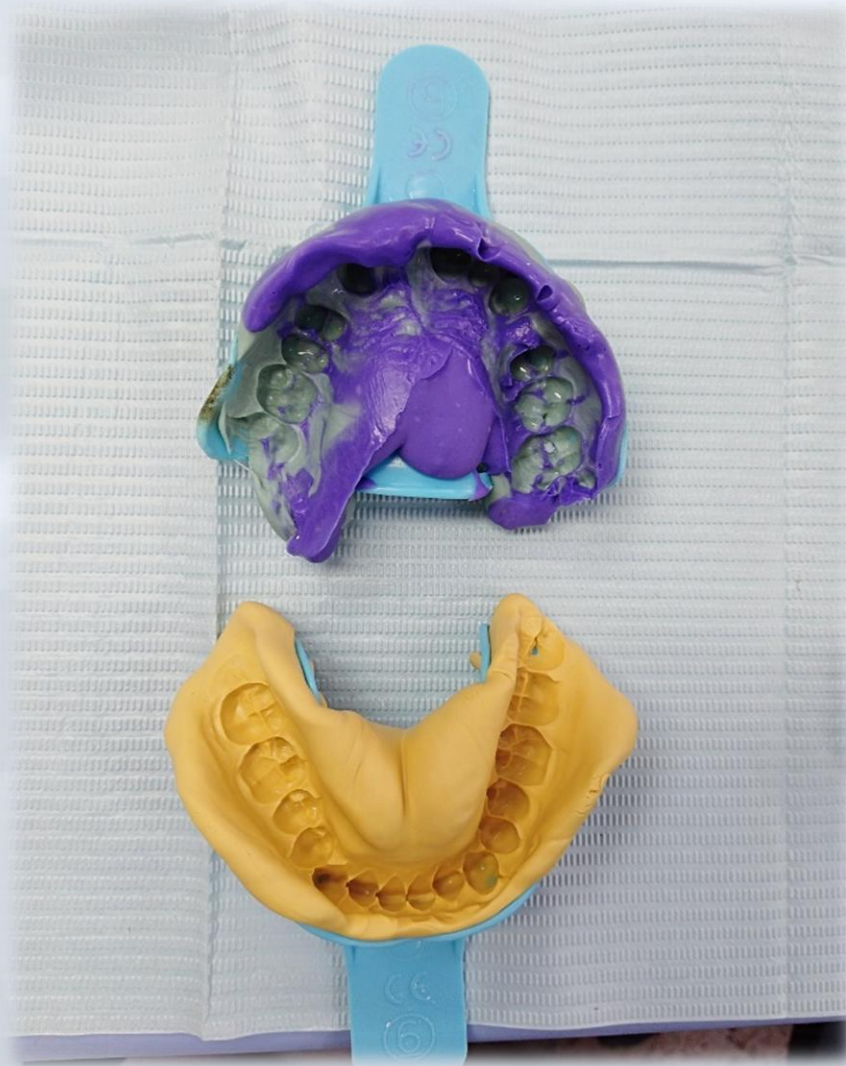
Upper Right Central Incisor (Abutment for fixed - fixed bridge)

“Intentional RCT”

- Step back technique



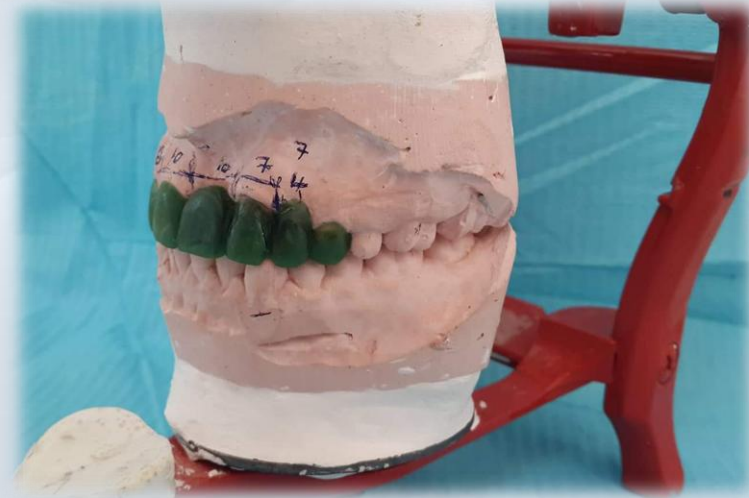
Primary Impression



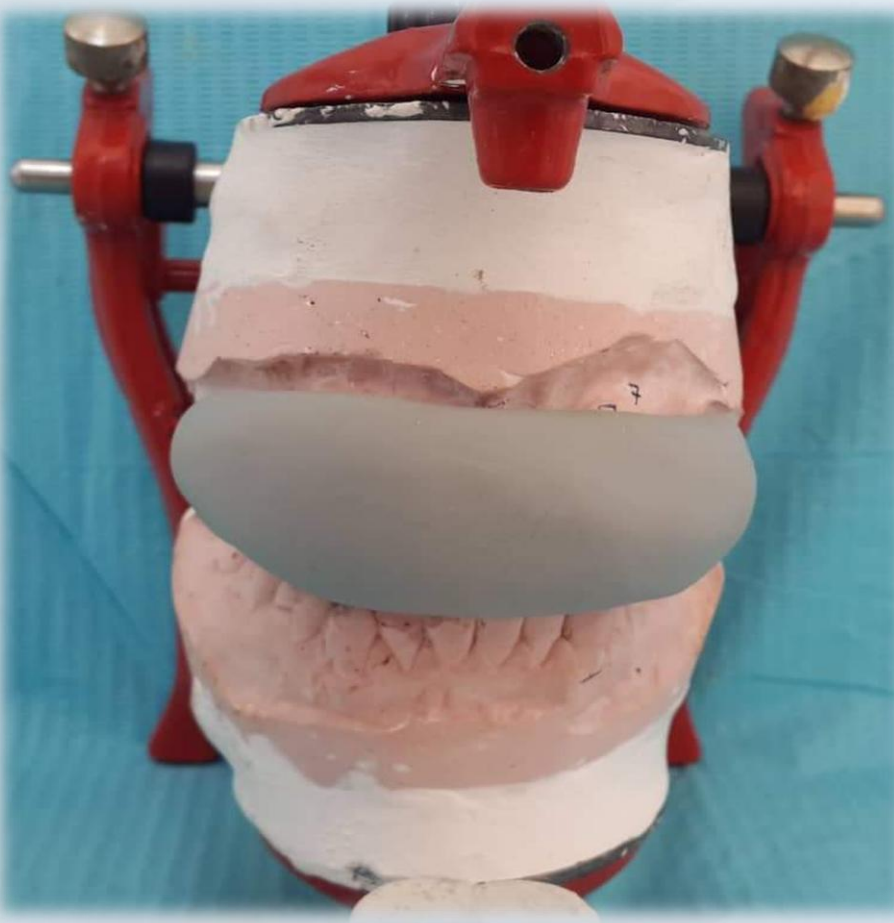
Bite registration



Diagnostic Wax Up & space proportioning



Putty Index



First Putty Index used for fabrication of provisional restoration



Second Putty Index used for evaluation of amount of preparation

Teeth Preparation



Provisional Restoration



Material: Self - cure acrylic resin

Final Impression



Metal Try In



Right Side



Front



Left Side



✓ Complete Seating



✓ Stability



✓ Occlusion



✓ Marginal Integrity

Shade selection



Shade: A2

Porcelain Try In







Taken By: Dr. Nada Kashbour



Taken By: Dr. Nada Kashbour



Taken By: Dr. Nada Kashbour

Trial Cementation



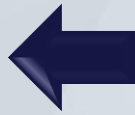
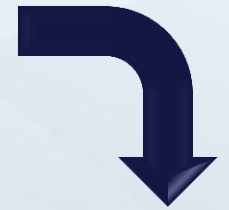
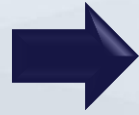
Check Gingival Status



No pressure areas



Insertion





Phase IV

Recall

- Reduction of incisal edge
- Enforcement of oral hygiene



Post-operative Intra-oral Photographs

Front View



Right Side



Left Side





Upper Arch



Lower Arch

Post-operative OPG



Before



After





Dentists were created to create beautiful smiles..



*Thank
You*