



**Libyan international medical university
Faculty of dentistry**

Comprehensive case presentation

Prepared and Presented by :
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❖ Personal Data

- Patient's Name : G.A.S.
- D.O.B : 1/feb/1978.
- Gender : Female.
- Occupation : house wife
- Address : Alsalmane.
- Nationality : Libyan.



❖ Chief Complain

Patient attended to the clinic complaining of pain related to upper right posterior tooth from three days.

❖ History of Chief Complain

Pain started as a spontaneous Sharp moderate throbbing pain, related to the upper right posterior teeth of three days duration, lasts for few minutes, started with eating continue for minutes and relieved by salty water mouth wash , no history of previous episode, no sleeping disturbance, no history of swelling and no associated symptoms, non radiating nature, and it increased in severity from two days ago, with history crown fracture.



:History of endodontic treatment in the same tooth since 12 years

❖ Medical History

- Free of any chronic illness.
- No History of hospitalization
- Systemic review : No abnormality detected.

❖ Drug History

- no History of Antibiotics and analgesics .
- No other medications taken currently.



❖ Allergic History

- No allergic history reported.

❖ Dental History

- Last visit : patient does not remember .
- destructive habits: no fond
- History of :
 1. Root canal treatment.
 2. Restorations.
 3. Extraction (without complications).
- Teeth brushing : not regular brushing, used medium brush with horizontal technique



❖ Family History

- No family history of any chronic or hereditary disease.

❖ Social History

- married she have 4 chilled
- not smoker .
- No alcohol.
- Diet : Regular Libyan diet.
- Water consumption (3-4 glasses of water/day).
- Heavy coffee consumption (2-3cups/day).

Clinical Examinations

- Extra Oral

1-Face symmetry : symmetrical.

2.Skin : Normal color, no scars.

3.TMJ : normal mouth opening, No tenderness, no clicking, no deviation or dislocation detected.

4.Lymph nodes : Not palpable.

5.Lips : competent, mid lip line.

Clinical Examinations Con.

- Intra Oral

- 1.Oral mucosa : No abnormalities detected.
 - 2.No Halitosis.
 - 3.Tongue and palate : No abnormality detected.
- H.T: Eroded maxillary palatal surfaces (14TO 23)



Intraoral photograph



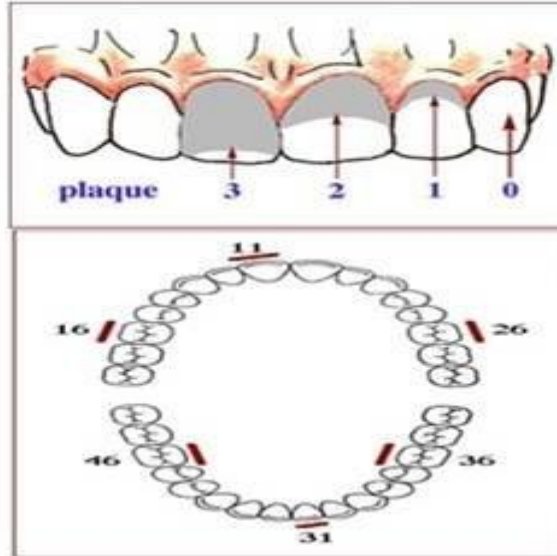
Con...

- Oral hygiene index

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

Plaque Index = $\frac{11}{6} = 1.8$

OHI-S = $\frac{1.8 + 1.3}{2} = 1.55$



16	11	26
3	2	1
1	2	2
46	31	36

Calculus Index = $\frac{8}{6} = 1.3$

Good (0-1.2),

Fair (1.3-3),

Poor (3.1-6)

UR

UL



M	RR	M			D	D			D	D	M	RR	F	M	D
18	17	16	15	14	13	12	11	21	22	23	24	25	26	27	28

LR

LL



D	D	D	D								D	D	D	D	D
48	47	46	45	44	43	42	41	31	32	33	34	35	36	37	38

Gingival Status



- **Frenal attachment** : Normal.
- **Fermitus test** : -ve.
- **attached gingiva** : Adequate.
- **MAN/ anterior pigmentation**

PERIODONTAL CHART

❖ Diagnosis :

- Generalized mild chronic periodontitis.

❖ CAL/BOP:

15 – CAL 2	26- CAL2
	37- CAL 3

❖ Mobile tooth:

-no mobility

❖ Farcatin involvement:

-no fraction involvement

❖ Overall prognosis :

- good prognosis.

❖ D.D of Chief Complain

- 1.Acute exacerbation of chronic periapical periodontitis.
- 2.periapical granuloma
- 3.Acute periapical abscess

❖ provisional diagnosis

Acute exacerbation of chronic periapical periodontitis.

❖ Investigations

1. Inspection and palpation
- 2.IOPA (17).
- 3.Orthopantomogram (OPG).



R
VATECH

➤ Final Diagnosis

1. Acute exacerbation of chronic pariapical periodontitis(17).
1. Dental caries related to (13,12) (22,23)
(38,37,36,35,34) (44,45,46,47,48).
3. Remaning root (17,25).
4. Generalized mild chronic periodontitis.

Treatment plan



Treatment plan

❖ Preliminary Phase

- extraction of (17).

❖ Phase I , Nonsurgical Phase

- Plaque control and patient education oral hygiene instruction and patient motivation.
- Diet control.
- Supra and subgingival scalling.
- Fluorid application
- Caries excavation and placement of temporary restoration (38) ??.

❖ Re-evaluation

Treatment plan Con.

❖ Phase II Therapy, Surgical Phase

- 1) Extraction of Remaining root (25)
- 2) Extraction (38) because it was poor prognosis.
- 3) Extraction (48) for Prosthodontic purposes

❖ Phase III Therapy, Restorative Phase

- ❖ restoration tooth (12,13) (22,23) (34,35,36,37,38) (45,46,47,48).
- ❖ Replacement of missing (18,16)(24,27) (removable partial denture, Implant, fixed bridge)

Treatment plan Con.

❖ Phase IV Therapy, Maintenance Phase

- Periodic checking 1st after 3 months, then after every 6 months if maintenance achieved.



Inform consent

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

أقر أنا / [Redacted] بطاقة شخصية رقم: [Redacted]
وبكامل إرادتي أنني أعطيت موافقتي اللغضية والكتابية للبدء والاستمرار في العلاج بعيادات كلية طب الأسنان بالجامعة
الليبية الدولية للعلوم الطبية والذي يتضمن
.....
32 / 23
7654 / 4567
.....
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 للانتهاء منه والتكلفة الاجمالية للعلاج
وفقا للرسوم الرمزية المقررة كما اتفهم ان هذا العلاج قد تم تنفيذه من قبل طالب أو طبيب امتياز تحت الاشراف المباشر
لأعضاء هيئة التدريس بالكلية.

اسم المريض: عادية عادي محمد بن صريتي
توقيع المريض: [Signature]
اسم الطالب أو طبيب الامتياز: [Signature]
الأستاذ المشرف: [Signature]
التاريخ: 2017 / 12 / 17

Preliminary Phase

- **Treatment of emergencies:**
Extraction of upper right 2rd molar



Phase I , Nonsurgical Phase

- Plaque control and patient education oral hygiene instruction and patient motivation.
- Diet control.
- The diet sheet was discussed with the patient

Patient Name: [Redacted] Gender: M/F Date of Birth: 19 78
 Occupation: ربة بيت Address: السلطاني

نوع الوجبة	الأكولات والمشروبات	الساعة	اليوم
افطار	شاي وحليب + كعك + قهوة + ماء قهوة	8 11	الاثنين
غداء	شرب + معلق + رز + سلطة + مشروب غازي + خبز قهوة + بسكويت	2 6	
عشاء	سندويش + عصير برتقال	8	
افطار	شاي + حليب + كعك + جبنه + ماء قهوة وكعك	8 11 1/2	
غداء	رز صوخ + سلطة + مشروب غازي + خبز قهوة + كعك	2 1/2 6	الثلاثاء
عشاء	بيتزا + شاورما + عصير ليمون	7	
افطار	حليب + كعك + جبنه + ماء عصير سنوي + شوكولاته	8 11	الاربعاء
غداء	شربة عرس + طباطب + بطاطه مقليه قهوة + بسكويت + ماء عصير طبيعي	2 1/2 6 7	
عشاء	سندويشات + مشروب غازي	9 1/2	

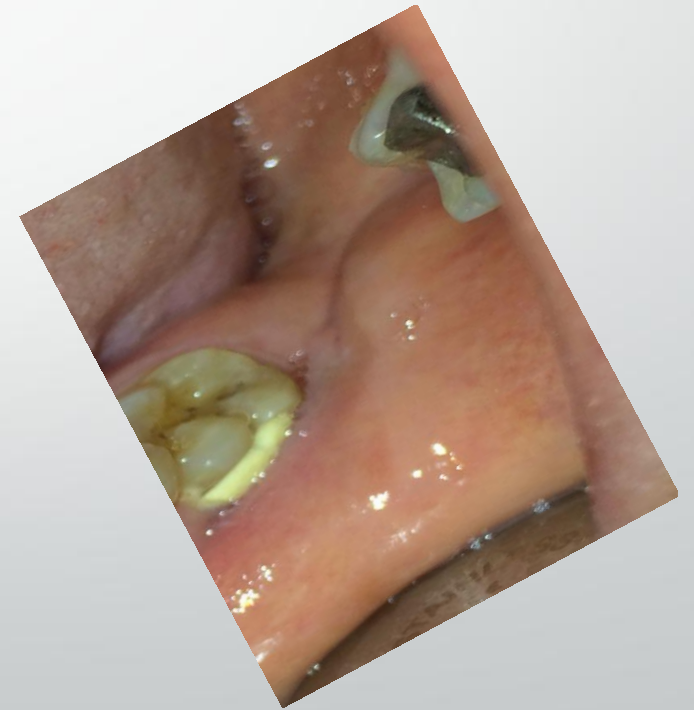
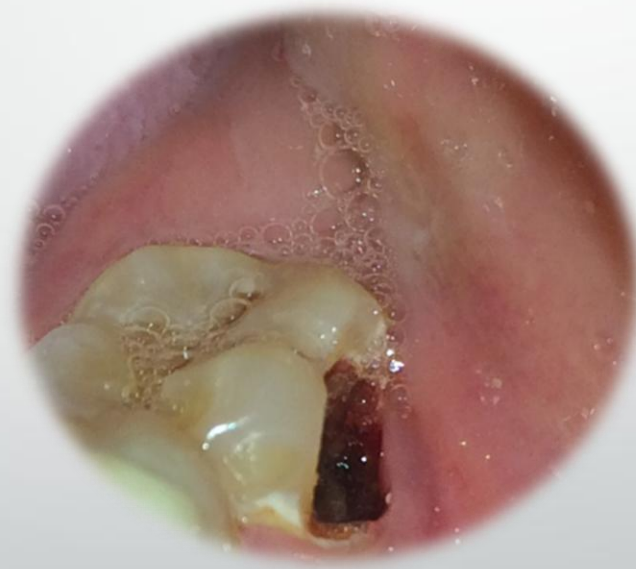
Phase I

Supra and subgingival scaling.



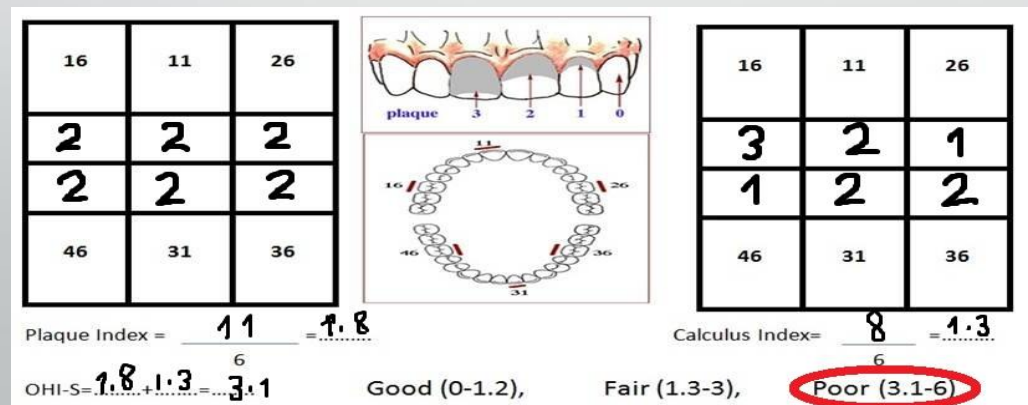
Phase I

- Caries excavation and placement of temporary restoration (38) ??.



❖ Re-evaluation of phase I

- Show the of there is improvement of oral hygiene
- Periodic rechecking for plaque and calculus.



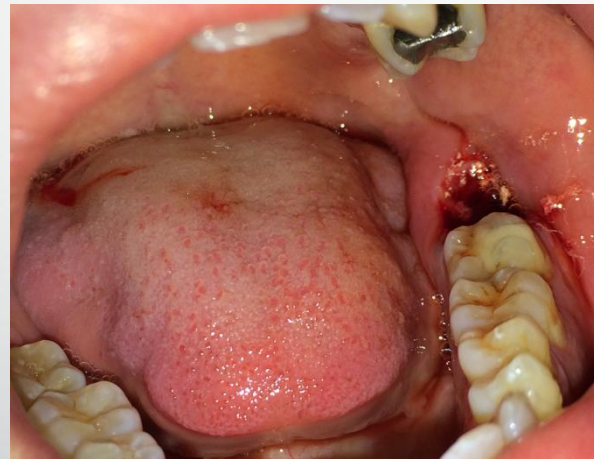
Phase II Therapy, Surgical Phase

- 1) Extraction of Remaining root (25)



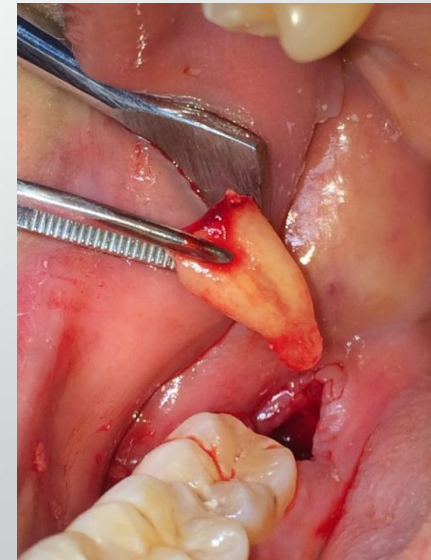
Con...

2) Extraction (38) because it was poor prognosis.



Phase II Therapy

3) Extraction (48) for Prosthodontic purposes



Phase III Therapy, Restorative Phase

- ❖ Excavation caries and place the Restoration for Class V and I 37 with GIC



Phase III Therapy, Restorative Phase

con...

- Excavation caries Class V for 34, 35, 36 and class I/V for 28



Place GIC Restoration

- Restoration for Class V 34,35,36 and Class I/V 28 with GIC



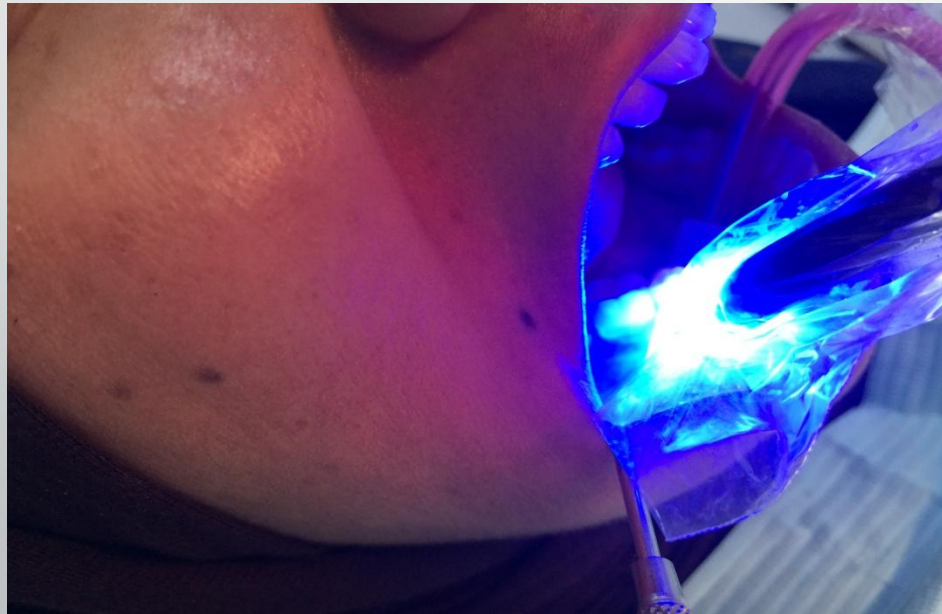
Con....

Out line Cavity Class V for 44,45,46,47 and excavation caries



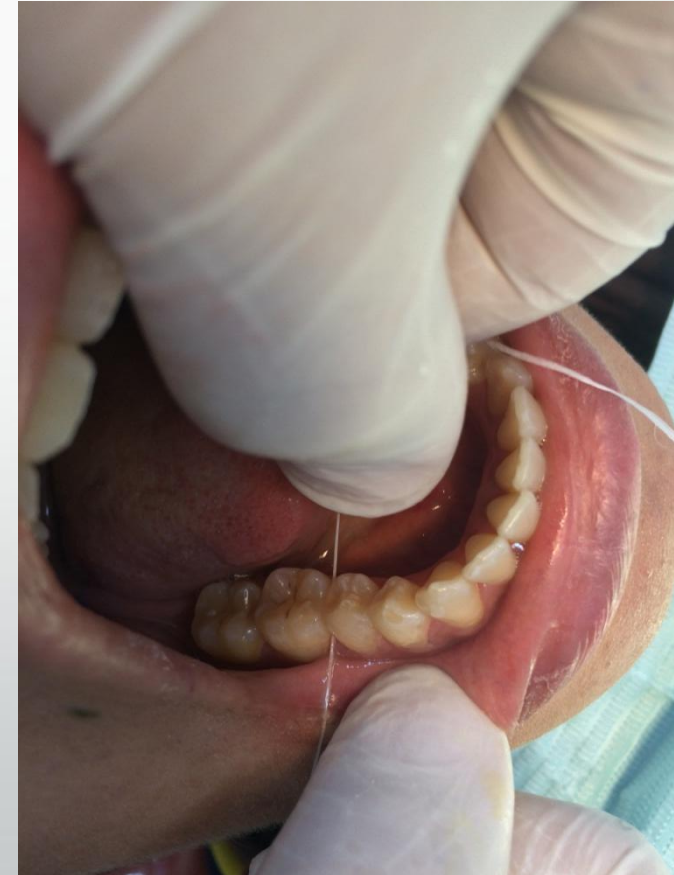
Con...

place flowable composite (A2)



Con...

checking the proximal contact by using dental floss



CON...

Out line Cavity Class V for 12,13 and excavation caries



Con...

place flowable composite (A2)



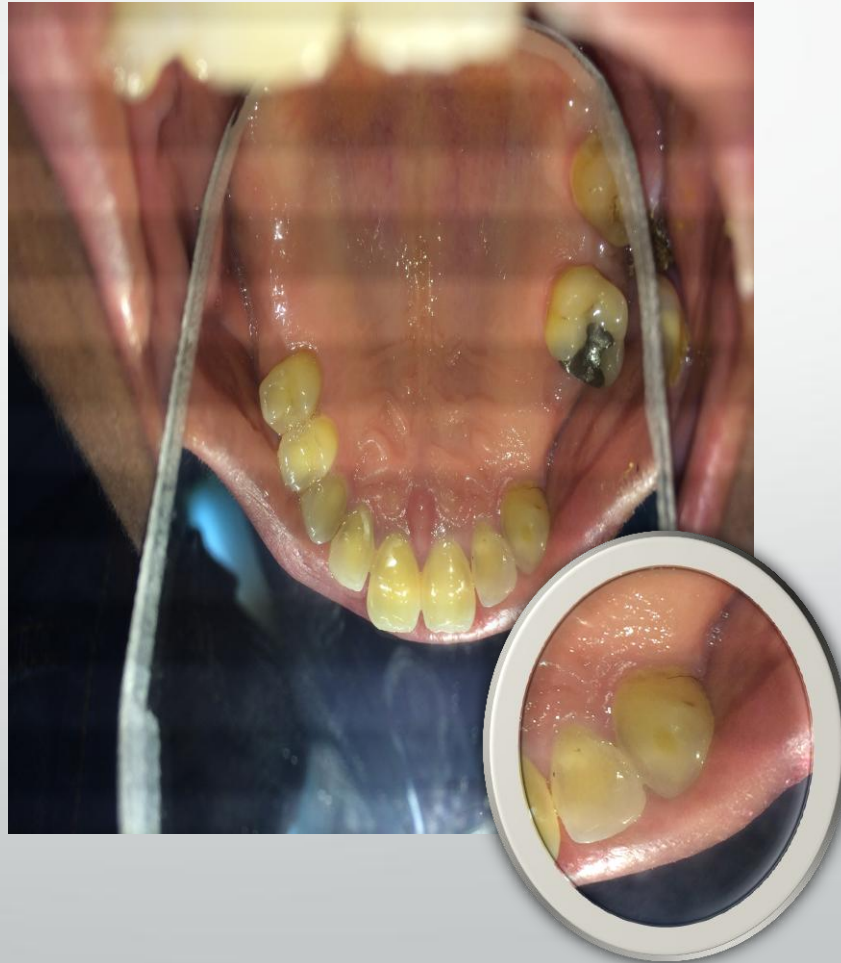
Before



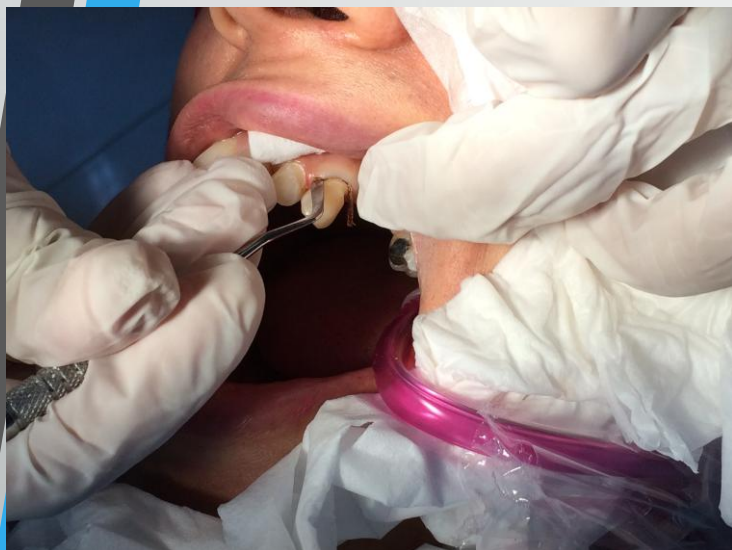
After



Class V tooth restoration 22,23



CON...



CON...

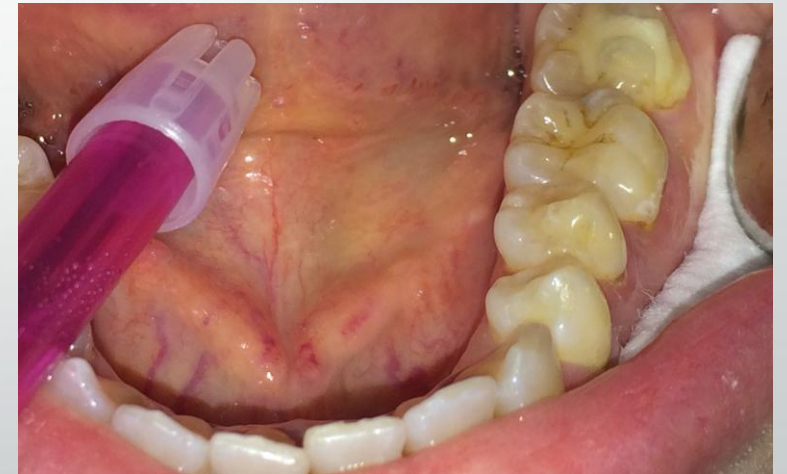
Before



After

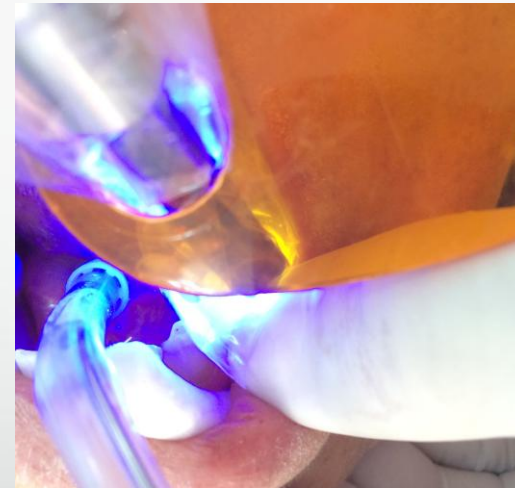


Remove the GIC class V in tooth 34,35,36 use retraction cored Number (o) then composite (A2)



CON...

use retraction cored Number (o) then composite (A2)



Con...

Remove retraction cored + finishing and polishing



Replacement of missing teeth 17,16,24,25 by RPD



Upper Primary Impression

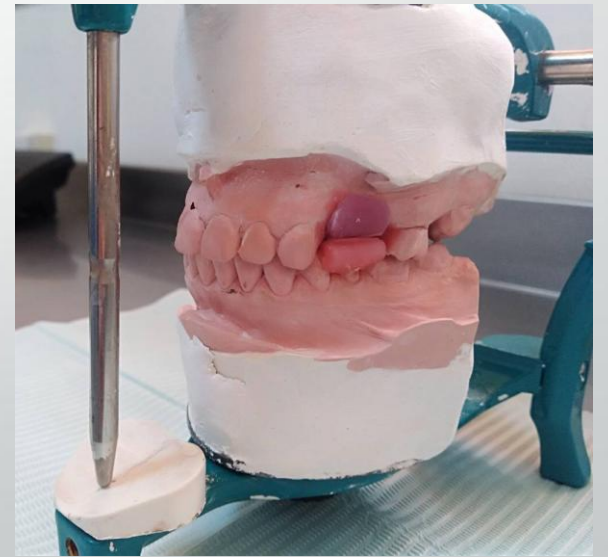
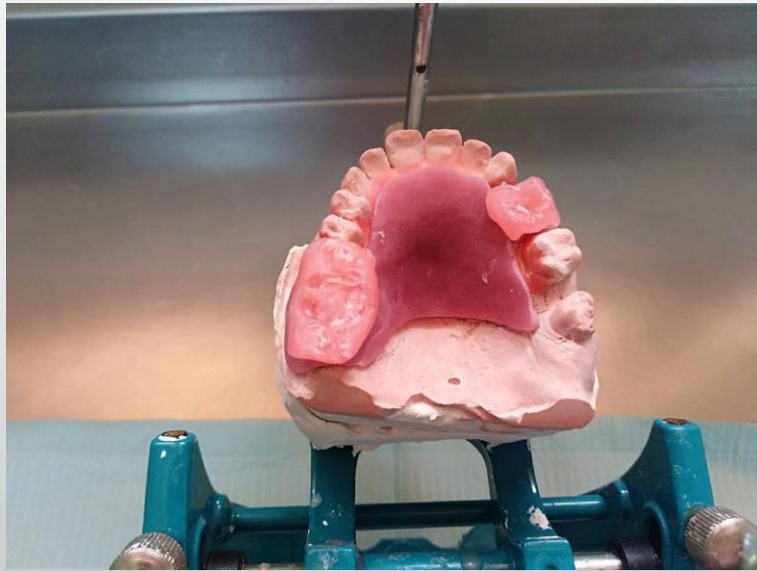
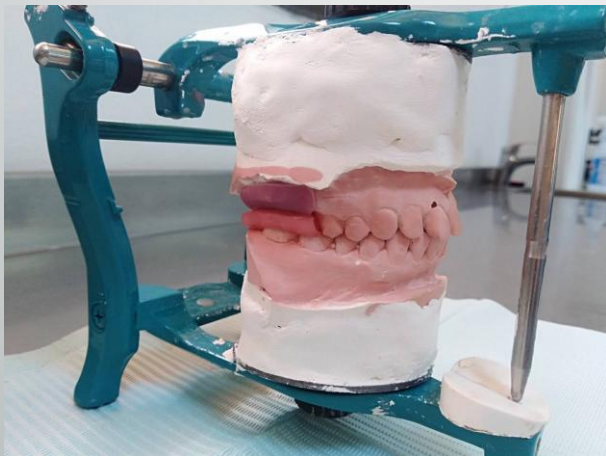
Primary impression by
Alginate impression
material



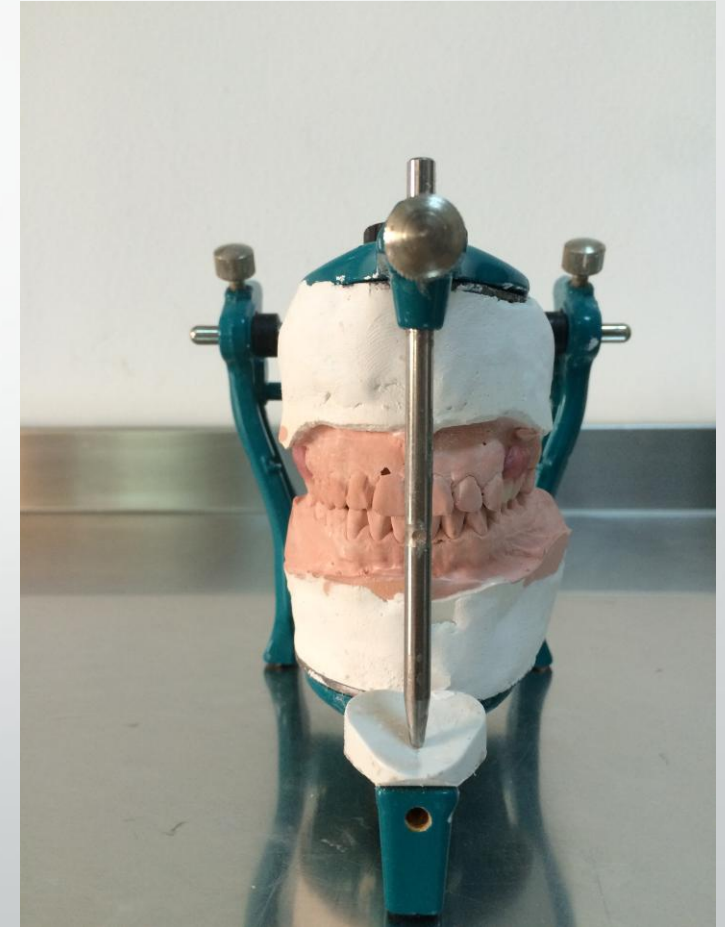
Lower Primary Impression

❖ We send the Impression it to the lab to complete other procedure

Diagnostic cast with bite registration

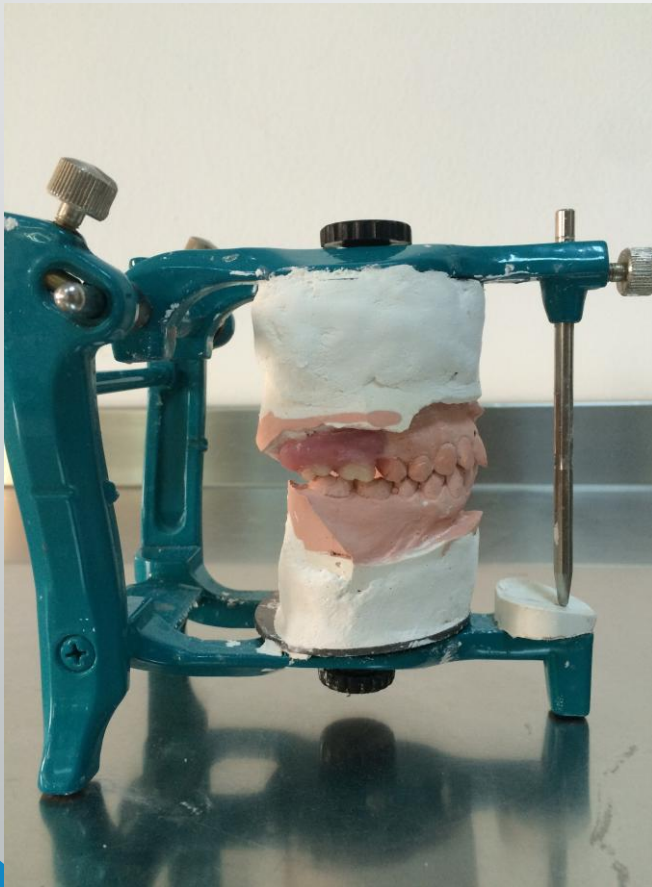


Trial- Denture mounted on articulator



CON....

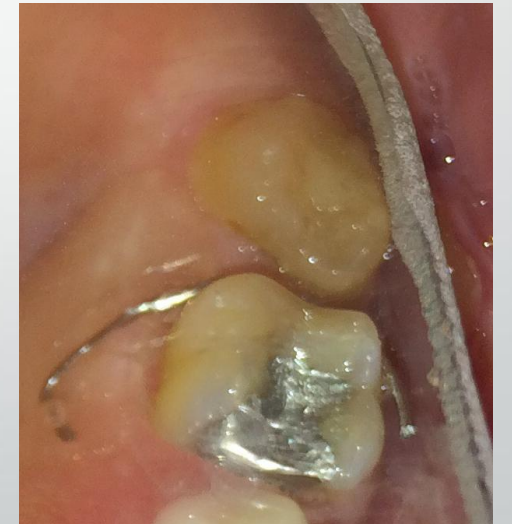
Trial- Denture mounted on articulator



Insertion and checking the occlusion



polishing of amalgam restoration 26




Phase IV Therapy, Maintenance Phase

Phase IV

Periodic rechecking after 3 months for plaque and calculus.





POST-OPERATIVE PHOTOGRAPHS

Before



After



Before



After





← Before



After →



Before



After



Before



After

A decorative graphic in the top-left corner consisting of a blue line and a grey line forming a corner shape.

Thank You