

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



- 491 course
 - case presentation
 - presented by:
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Personal data



- Age:25
- Social status : Single
- Educational level :High school
- Occupation : employer in a company.
-

Chief complaint :



- I want to fix my teeth

Medical history :



- The patient is not aware of any medical problem .



Social history

- Brushing and dental care habits:
He brushes his teeth once daily without using dental floss or miswak .
- Smoking : he smokes 10-15 cigarettes for since 8 years .
- Eating dietary habits: 2 meals daily with high sugar intake .



Past dental history :

- Last visit to a dentist was one month ago.
- Many extractions without complications.
- One fixed partial denture one year ago.

Extra oral examination:



- By examination of :
- (Skin, Lips , Hair , Eyes , Lymph nodes , Major salivary glands , TMJ ,Thyroid)
- No abnormality detected .



Intra oral Examination:

- Soft tissues:
- Soft palate : nicotine stomatitis
- Alveolar mucosa :racial pigmentation
- Gengiva :
- Pink in color with loss of stippling .
- Edematous consistency
- Rolled margins .







Hard tissues :

Carious teeth

18,17,22,23,24,27,
28,38,37,35,34,44,
45,47

Retained roots:

25,26,36.

Missing teeth:46

Dental prosthesis:

FPD from # 12-16



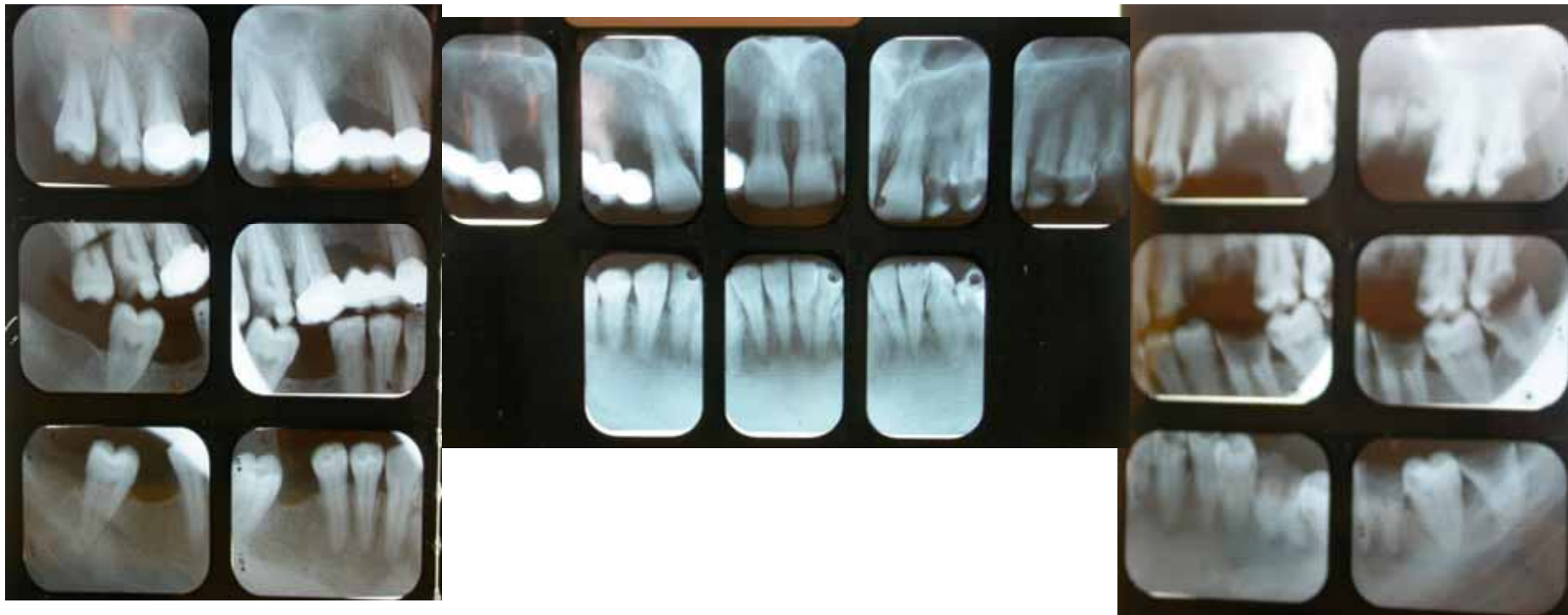
Radiographic Examination:



- Panoramic view :



Complete mouth surveying :





Problem list:

- 1. generalized moderate chronic periodontitis .
- 2. many missing teeth.
- 3. many carious teeth.
- 4. badly constructed FPD.



Treatment objectives :

- 1.improving periodontal health.
- 2. maintaining good plaque control measures .
- 3. restoring of carious teeth.
- 4.replacing of missed teeth .



- Treatment plan

Phase one (emergency phase):



- No treatment .

Phase two (disease control):



- O.H.I
- Scaling and root planning .
- Extraction of teeth # 18,28,25,26,38,36.
- Caries excavation of carious teeth#17,22,23,24,27,37,35,34,44, 45,47
- Removal of FPD #12-16 and provisional FPD.
- RCT for teeth # 22,23,24.

Phase three (corrective phase):



Restoring of carious teeth :

tooth	Material
17	Ama build up
27	Ama MO
37	Ama MO
35	ClassI Composite Class V GIC
43	Class V GIC
44	Class V GIC
45	ClassI Composite Class V GIC
47	Ama MO





- Crown lengthening on teeth #22,23,24 after RCT and P&C completed



Prosthetic treatment options:



- 1. MC crowns on prepared abutments teeth of FPD (teeth #13,16) ,P&C and MC crowns on teeth # 22,23,24 and implants to replace missed teeth.





- 2. MC FPD from #11-16 with nonrigid connector on pier abutment #13 to replace teeth #12,14,15.
- P&C and MC on tooth #22.
- P&C on teeth #23,24 and MC FPD from
- 23-27 to replace missed teeth # 25,26.
- MC FPD from #37-35 to replace #36.
- MC FPD from #47-45 to replace #46.





- 3.RPD to replace upper and lower missed teeth.



Phase four (maintenance phase) :

- Recall every 3 months .



Post



Nonrigid connector

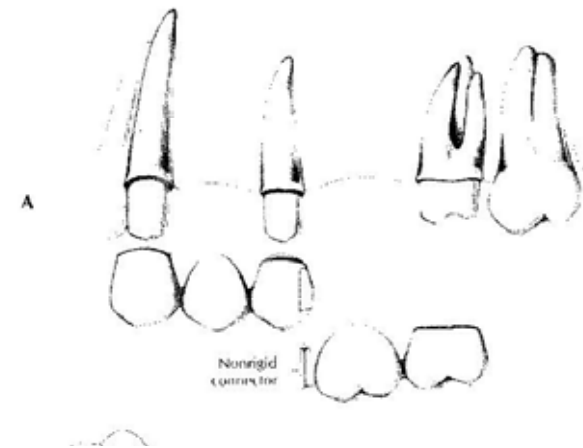


- Definition : a broken-stress mechanical union of retainer and pontic .

The *indications* for the use of the NRC in fixed prosthodontics are as follows

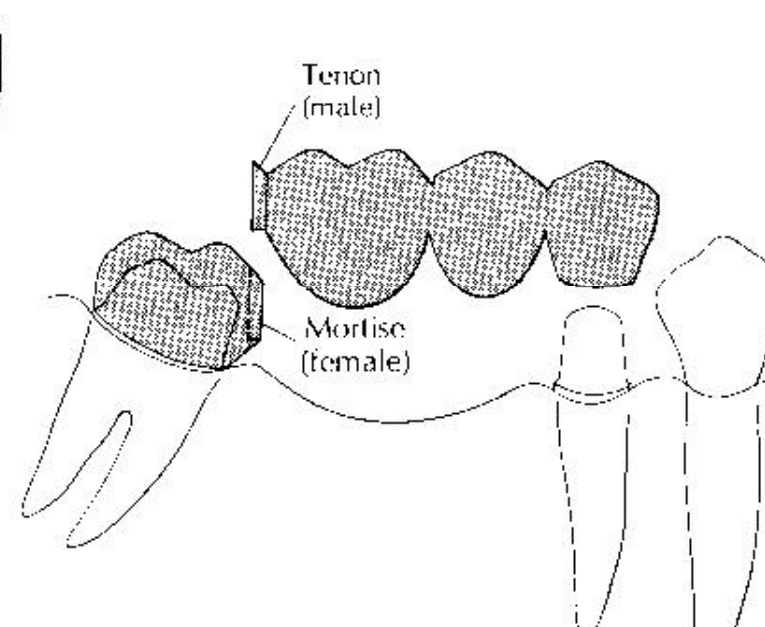


- 1. The existence of *Pier abutment*, which promote a fulcrum-like-situation that can cause the weakest of the terminal abutments to fail and may cause intrusion of the pier abutment





- 2. The existence of *malaligned abutment*, where parallel preparation might result in devitalisation.





- 3. The presence of *mobile teeth* , which need to be splinted together with the fixed prosthesis.



- *4. Long span, FPDs.*



- 5. It could be also used in cases of osseointegrated implants.



- 6. In situations where *distal abutment* exist and fabrication of the removable partial denture is considered to be the next treatment step.



- The NRCs are mainly used to *relieve stress* on the abutment and to accommodate *malaligned* FPD abutments.



types of NRCs :

- 1. Dovetail (key-keyway) connectors.
- 2. Loop connectors.
- 3. Split pontic.
- 4. Cross pin and wing connectors



■ Thank you