|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Jaw | Upper | | | | | | | | | | | | Lower | | | | | | | | |
| class | ClassI | | | Class II | | | Class III | | | | | | Class I | | | Class II | | | Class III | | |
| mod | No | 1 | 2 | No | 1 | 2 | No | 1 | 2 | 3 | 4 | 5 | No | 1 | 2 | No | 1 | 2 | NO | 1 | 2 |
| Numbers | 2 | 1 | 0 | 0 | 1 | 2 | 3 | 3 | 3 | 1 | 0 | 1 | 7 | 4 | 1 | 1 | 3 | 0 | 2 | 4 | 0 |

Table no.1. Classification of patients edentulous state (keneddy classification)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Missed teeth** | **maxilla** | | | | **mandible** | | | |
| راست | درصد | چپ | درصد | راست | درصد | چپ | درصد |
| 1 | 1 | 65/2 | 0 | 0 | 1 | 7/1 | 1 | 95/1 |
| 2 | 1 | 65/2 | 3 | 7/6 | 1 | 7/1 | 0 | 0 |
| 3 | 0 | 0 | 3 | 7/6 | 2 | 3/3 | 0 | 0 |
| 4 | 9 | 7/23 | 10 | 2/22 | 10 | 6/16 | 10 | 2/19 |
| 5 | 10 | 3/26 | 10 | 2/22 | 12 | 20 | 10 | 2/19 |
| 6 | 11 | 9/28 | 12 | 7/26 | 18 | 30 | 16 | 8/30 |
| 7 | 6 | 8/15 | 6 | 3/13 | 15 | 25 | 14 | 9/26 |
| 8 | 0 | 0 | 1 | 2/2 | 1 | 7/1 | 1 | 95/1 |
| مجموع | 38 | 100 | 45 | 100 | 60 | 100 | 52 | 100 |

Table no.2. Frequency of edentolous stats based on missed teeth.

Chart no.1. The frequency of different types of clasps used for maxillary arch.

Chart no.2. The frequency of frameworks with different retentions for maxillary arch.

Chart no.3. Stability of maxillary arch frameworks after adjustment.

Chart no.4. Support of maxillary arch frameworks.

Chart no.5. Evaluating the sizes of rests and rest seats of maxillary arch.

Chart no.6. The frequency of different types of clasps used for mandibular arch.  
  
  
  
 Chart no.7. The frequency of frameworks with different degrees of retention of mandibular arch.

Chart no.8.Assessing the support of mandibular arch frameworks.

Chart

Chart no.9 Stability of mandibular arch frameworks after adjustment.

Chart no.10. Evaluating the sizes of rests and rest seats of mandibular arch.  
  
  
  
  
**The questionnaire of patients who are clients for maxillary arch removable partial dentures.  
patients’ ID:**  
**Before adjustment on casts and in mouths:  
A.Demographic data and edentulous state:**  
1.Name and Family name:  
2.Sex: female🌕 male🌕   
3.Age:  
4.Educational state:  
5.Job:  
6.Edentulous classification: class I(mode?) 🌕 class II (mode??) 🌕 class III (mode??) 🌕 class IV🌕  
7.Missing teeth:  
  
  
8.Is framework seated properly on cast? YES 🌕 NO 🌕  
9.Is framework seated properly in mouth? YES🌕 NO 🌕 **B. Major connector:**10. Types of major connectors?  
a. single palatal bar 🌕   
b. single palatal strap 🌕   
c. anterior palatal strap 🌕  
d. posterior palatal bar 🌕  
e. full palatal plate 🌕  
f. anterior-posterior palatal strap 🌕  
g. anterior-posterior palatal bar 🌕  
h. horse shoe 🌕  
i. closed horse shoe 🌕  
 **C. Rests and Rest seats:**11.Do rests have good connection with rest seats on casts? YES 🌕 NO 🌕 NUMBERS…  
12.Do rests have good connection with rest seats in mouth? YES 🌕 NO 🌕 NUMBERS…  
13.How much is the space between the rests and their seats on casts?  
a. the rests are larger than the rest seats 🌕 numbers…  
b. the rests are smaller than the rest seats 🌕 numbers…  
c. the rests are fitted with rest seats 🌕 numbers…  
14. How much is the space between the rests and their seats in mouth?  
a. the rests are larger than the rest seats 🌕 numbers…  
b. the rests are smaller than the rest seats 🌕 numbers…  
c. the rests are fitted with rest seats 🌕 numbers…  
15. Does the framework have tissue stop? YES NO numbers…  
16. Does tissue stop have efficacy? YES NO numbers…  
**D. Clasps:**Simple circular clasp:  
17. Is clasp tip placed in undercut on cast? YES NO numbers…  
18. Is clasp tip placed in undercut in mouth? YES NO numbers…  
Wrought Wire:  
19. Is clasp tip placed in undercut on cast? YES NO numbers…  
20. Is clasp tip placed in undercut in mouth? YES NO numbers…  
Embrasure clasp:  
21. Is clasp tip placed in undercut on cast? YES NO numbers…  
22. Is clasp tip placed in undercut in mouth? YES NO numbers…  
Ring clasp:  
23. Is clasp tip placed in undercut on cast? YES NO numbers…  
24. Is clasp tip placed in undercut in mouth? YES NO numbers…  
Hair pin clasp:  
25. Is clasp tip placed in undercut on cast? YES NO numbers…  
26. Is clasp tip placed in undercut in mouth? YES NO numbers…  
RPI:27. Is clasp tip placed in undercut on cast? YES NO numbers…  
28. Is clasp tip placed in undercut in mouth? YES NO numbers…  
Conventional bar type:  
29. Is clasp tip placed in undercut on cast? YES NO numbers…  
30. Is clasp tip placed in undercut in mouth? YES NO numbers…  
 **After adjustment:**31. Is framework seated appropriately on abutments? YES NO numbers…  
32.How is the retention of framework? Proper Weak Strong   
33.How is the stability of framework in horizontal mobility on 3 vertexes? Appropriate Inappropriate   
axis…  
34.How is the support of framework? Appropriate Inappropriate  
35. How much is the space between rests and rest seats in mouth?  
a. They are larger than the rest seats numbers…  
b. They are smaller than the rest seats numbers…  
c. They have appropriate size numbers…  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
  
**The questionnaire of patients who are clients for mandibular arch removable partial dentures.  
patients’ ID:**  
**Before adjustment on casts and in mouths:  
A.Demographic data and edentulous state:**  
1.Name and Family name:  
2.Sex: female male  
3.Age:  
4.Educational state:  
5.Job:  
6.Edentulous classification: class I(mode?) class II (mode??) class III (mode??) class IV  
7.Missing teeth:  
  
  
8.Is framework seated properly on cast? YES NO  
9.Is framework seated properly in mouth? YES NO **B. Major connector:**10. Types of major connectors?  
a. lingual bar  
b. lingual plate  
c. doubled lingual bar  
d. labial bar  
e. interrupted lingual plate **C. Rests and Rest seats:**11.Do rests have good connection with rest seats on casts? YES NO NUMBERS  
12.Do rests have good connection with rest seats in mouth? YES NO NUMBERS  
13.How much is the space between the rests and their seats on casts?  
a. the rests are larger than the rest seats numbers  
b. the rests are smaller than the rest seats numbers  
c. the rests are fitted with rest seats numbers  
14. How much is the space between the rests and their seats in mouth?  
a. the rests are larger than the rest seats numbers  
b. the rests are smaller than the rest seats numbers  
c. the rests are fitted with rest seats numbers  
15. Does the framework have tissue stop? YES NO numbers  
16. Does tissue stop have efficacy? YES NO numbers  
**D. Clasps:**Simple circular clasp:  
17. Is clasp tip placed in undercut on cast? YES NO numbers  
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19. Is clasp tip placed in undercut on cast? YES NO numbers  
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23. Is clasp tip placed in undercut on cast? YES NO numbers  
24. Is clasp tip placed in undercut in mouth? YES NO numbers  
Hair pin clasp:  
25. Is clasp tip placed in undercut on cast? YES NO numbers  
26. Is clasp tip placed in undercut in mouth? YES NO numbers  
RPI:27. Is clasp tip placed in undercut on cast? YES NO numbers  
28. Is clasp tip placed in undercut in mouth? YES NO numbers  
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vertex…  
34.How is the support of framework? Appropriate Inappropriate  
35. How much is the space between rests and rest seats in mouth?  
a. They are larger than the rest seats numbers…  
b. They are smaller than the rest seats numbers…  
c. They have appropriate size numbers…