

Complete denture : lec (1)

Complete denture : A dental prosthesis which replaces the entire dentition and associated structure in the maxilla and mandible

It can be classified as:

1-Removable complete denture



2-Fixed complete denture



Complete dentures are fabricated for:

-Geriatric patients



-Young patients who are born with congenitally malformed teeth



Objective of complete denture

1-aesthetics :the complete denture should restore the lost facial contours, vertical dimension.

2-function :improve chewing of the food

3-phonetics : one of the most important functions of a denture is to restore the speech of the patient.

4.Preservation of oral structure

5-comfort : both physical and mental.

Surfaces of a complete denture

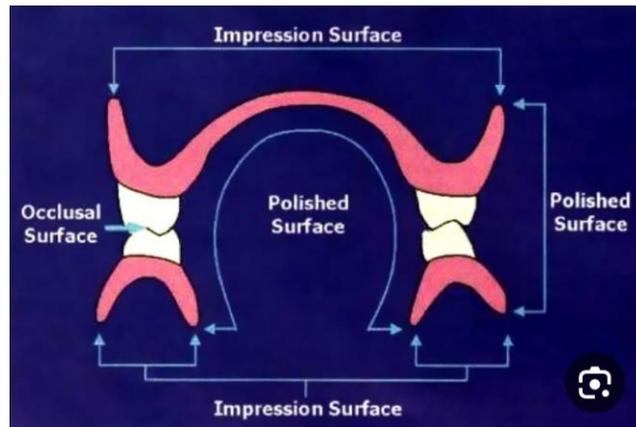
1-**impression surface**: fitting surface the portion of the denture surface which has its contour determined by impression.

This surface of the denture will be in contact with the tissues(basal seat area and limiting structures) when the denture seated in the mouth.

2-**polished surface** : that portion of a surface of a denture which extends in an occlusal direction from the border of the denture and includes the palatal surfaces

,it includes the buccal and lingual surfaces of the teeth. this surface should be well polished and smooth to avoid collection of food debris.

3- Occlusal surface : that portion of the surface of denture or dentition which makes contact with the corresponding surface of the opposing denture or dentition.



Steps of fabrication of complete denture :

- 1. Primary impression**
- 2. Pouring impression and making study casty (primary cast)**
- 3.fabricatin of special tray on the study cast**
- 4. border molding**
- 5.secondary impression**
- 6. boxing**
- 7.pouring impression and making secondary cast or master cast**
- 8.construction of occlusion blocks**
- 9.face bow recording**
- 10.transfer the relationship of maxilla to TMJ to the articulator**
- 11.determining of vertical dimension of occlusion**

12. centric relation registration

13. mounting of the cast to the articulator

14. setting and waxup of the teeth

15. try in

16. finalizing the wax up

17. flasking

18. remounting to adjust processing errors

19. removal the denture from the cast and finishing and polishing

20. adjusting the occlusion

21. Delivery to the patient