



Partial Denture

Selection and Setting of artificial teeth

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Lecture 5,6

Selection of Anterior teeth:

- In routine case a shade of teeth taken by watching the natural teeth to a shade guide- (it's very important in anterior teeth)
- The mould (shape/Anatomy) can be selected by the laboratory technician from standing teeth on the cast.
- If all six anterior teeth have been lost, selection of teeth will be depend on following factors:-

- 1- Width of teeth will be determined by the length of saddle area.
- 2- Length of teeth determine by lip length and facial movement.
- 3- Shape of teeth is determine by shape of face (square, taper, oval) according to it)
- 4- The texture (kind of patients skin determine the surface texture of the tooth)

Selection of Posterior teeth

Posterior teeth usually selected by laboratory staff according to the length of saddle and occlusion.

Setting of teeth

Before setting we should mount the upper cast to articulator by a mean of face bow, than use partial denture. To mount the lower cast in centric occlusion which must be coincide with centric relation of the Jaw. Setting of teeth is difficult in partial denture and it need some experience in selecting type and number of teeth to place in the saddle

Factor which should consider in Arrangement of teeth

Balanced articulation

It means teeth will be in contact in all closed jaw relation, this is done in order to distribute the masticatory load over as wide area as possible.

- If one cusp is higher than the rest so the occlusal force will transmuted to this cusp only cause:-

1- Damaging to denture so that in any arrangement of teeth the working cusps should be in contact.

2- Buccolingual position:- artificial teeth should be position in the saddle area in a similar manner like a stable position of natural teeth because it will be subjected to the same pressure form the toung on one side and form other side.

3- Antro-Posterior relation:- Its very important to provide an adequate occlusion antro Posteriorly so in most case we need to a grinding of teeth during arrangement, especially during positioning teeth adjacent to minor connector to obtain a good adaption in order to have a good occlusion