Sequences of operation

Fixed dentures:

Full crown

Made of metal alloy (gold or chromcobalt)

1. Phase in dental office

Preparation -

Reduction 1 mm around, occlusaly 1, 5 mm Preparation border. slight chamfer

Taking impression Elastomeric impression materials Polysulfid, silicon, elastomers.:

Retraction cord around the tooth

Dual viscosity technique or single viscosity technique. Dual viscosity technique – double impression Simultaneous dual viscosity technique

Antagonal impression Alginate Occlusal registration (wax, elastomeric materials)

Phase in dental lab.
 Making the cast (model) of gypsum.
 There are three types of base raw materials derived from partial dehydratation of gypsum rock depending on on the nature:
 Plasters – fluffy, porous, least dense.
 Hydrocal – hihger density, more crystalline
 Densite – densest of the raw material.

Plasters----- Model plaster, lab plaster

Hydrocal----dental stone Densite -----High strength dental stone

High strength dental stone is used for fixed dentures.

Wax pattern Lost wax method. – investment and casting, finishing.

- 2. Phase in dental office
- Try and cementation.

Sequences of operation

Fixed dentures:

Metal ceramic crown Made of matal alloy (usu chromcobalt) and ceramics which covers the metal framework

1. Phase in dental office

Preparation -

Reduction 1 mm around, occlusaly 1, 5 mm Preparation border. slight chamfer

Taking impression Elastomeric impression materials Polysulfid, silicon, elastomers.:

Retraction cord around the tooth

Dual viscosity technique or single viscosity technique. Dual viscosity technique – double impression Simultaneous dual viscosity technique

Antagonal impression Alginate Occlusal registration (wax, elastomeric materials)

2. Phase in dental lab.
Making the cast (model) of gypsum.
There are three types of base raw materials derived from partial dehydratation of gypsum rock depending on on the nature:
Plasters – fluffy, porous, least dense.
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Plasters----- Model plaster, lab plaster

Hydrocal----dental stone Densite -----High strength dental stone

High strength dental stone is used for fixed dentures.

Wax pattern Lost wax method. – investment and casting, finishing of the framework

3. Phase in dental office

Try and colour choice

4. making of ceramic special procedure – firing in sesial oven in several phases.