

Sequences of operations class I. and II.

Class II.

1. Phase in dental office
2. Taking impression – alginate

Both jaws.

1. Phase in dental lab

Pouring of the models – stone

Making of wax template or making of custom tray if necessary. This custom tray is made of shellack or acrylic.

- 2.nd phase in dental office

Customized impression using alginate usually

Or

Registration of intemaxillary relationship – occlusion, choice of the colour of the arteficial teeth.

3.rh phase in dental lab

- Preparation of the model for backup.

All undercuts are blocked out with wax, also the space under the future framework is covered with wax and the impression with a special materiál (based on agar or arteficial materiál) in a special duplication flask is made.

This impression is filled with the investing materiál – the duplication is called casting model. The base of the model has a hole – for the influx system.

The framework is made on the casting model of a special wax ,

Investment with the same investing material –in a plastic ring. This is removed after the setting of the investing materiál. The block of investing metarial is placed into s special oven and heated. The wax is burnt out and the block of the investing materiál expands. This expansion is a compensation of the shrinkage of the metal alloy after casting and cooling.

The casting process is performed using a specialcasting machine.

3rd phase in dental office

Try the metal framework – the dentist check i fit fits well.

4th phase in dental surgery

The models are mounted into the articulator. The denture is built up – base is made of wax and acrylic teeth are placed into the correct position.

5th phase in dental office – the denture is tried. The dentist checks the position of teeth, intermaxillary relationship, fonation, aesthetics.

6th phase in dental lab

The prosthesis with the wax bases is put into a special flask – four parts of flask. Gypsum is used. Model is placed into the lower part of the flask, this part is filled with the gypsum, after setting the isolation is performed, upper part of the four part flask is adjusted and filled with the gypsum again. After setting of the gypsum, the flask is opened and wax removed with hot water, the gypsum is insulated and the wax is replaced with resin material. The flask is closed again and pressed in a special machine. After that polymerization of resin takes place in hot water. The flask is held in a special clamp. After the polymerization (2,5 hours) the flask is open, the gypsum destroyed and the denture is finished and polished.

7th phase in dental office:

Prosthesis is given to the patient

The dentist must check everything – aesthetics, phonation, articulation.

The patient gives some instructions, best in a written form. The denture must be cleaned after the meal, placed to the antiseptic during the night, if there would be any discomfort the patient must visit the dentist.