

Limited partial edentation. Indications and stages of prosthetic treatment with removable bridge denture and bridge denture fixed on implants.

Advantages of Bridge Dentures fixed on implants:

- uniform distribution of mastication pressure on implants;
- bone tissue of alveolar processes is protected from atrophy;
- is not necessary to prepare neighboring teeth or to make removable dentures;
- long period of wearing in case of correct carrying;
- long service life: at least 15-20 years (in two times more than BD on natural teeth) with gentle care for dentures and implants;
- reliable fixation, closely fit to the gums;
- uniform distribution of mastication pressure on bone;
- simple care for dentures.

Disadvantages of Bridge Dentures fixed on implants:

- can not be used in every clinical situations;
- price;
- not in every cases satisfied aesthetics;
- difficulties in hygienic wearing etc.

An implant-supported bridge consists of:

- **the implant** - made from titanium and surgically placed in the jawbone (for each missing tooth, in another cases, may be left one or more spaces, occupied in the past by natural teeth, because of not enough jawbone, or because of too close space to a nerve or sinus cavity);
- **the abutment** - a cylinder made from titanium, gold or porcelain, screwed onto the implant. In the past, some abutments were attached to the implant using cement. Today all abutments are secured with screws. Abutments can be pre-fabricated or custom-made by the dental lab;
- **the restoration** (the part that looks like teeth) is a series of crowns connected to form a bridge. They are made of porcelain attached and fused to a substructure of metal.

Indications:

- absence of several teeth in a dental arch
- terminal defect of dental arch;
- if the implants will be placed next to natural teeth, the natural teeth and surrounding gums must be in good health.

Types of Dental Bridges on implants:

- **plastic bridges** on implants: the most inexpensive, used as a temporary option (for up to 3-5 years), because not enough aesthetic and have a short life time. Mostly they are used for the patient adaptation to new teeth, and in cases when it is necessary to wear lightweight construction, if it is not possible immediately installation of BD on metal or zirconium;
- **metal-ceramic bridges** on implants: the best in cost and quality. This prosthesis is very reliable because of including a metal base in crowns, that is connected with a metal implant, realised very strong and durable connection. And ceramic layering crown gives to prosthesis excellent appearance;
- **oxide-zirconium and oxide-aluminium** dental bridges on implants permit to realise dental bridges on 4 or more crowns, and being fixed on implants create so durable construction that can stay at least 20 years. In addition, dental bridges on oxide-zirconium possess incredible aesthetics - to distinguish natural tooth from artificial tooth is almost impossible!