Description of Avita abutment and prosthetic components

Avita abutment and prosthetic components are only compatible with the Avita implant. They cannot be used with other implant systems. Abutment and main prosthetic components are made from biocompatible titanium 6Al-4V ELI. Refer to Avita catalog or our website (www.avitads.com) for details. For the product code, specification, manufacturing date, and expiration date see the product label.

Intended Use

After healing period of implant, the abutment could be placed on the implant to provide support for prosthetic restorations such as crowns, bridges, or overdentures.

Storage Condition

Store at room temperature (~25 °c) in "protect case" to prevent the package from damage.

General Precautions

The surgical process of dental implant involves an expert and complex procedure. Therefore, formal training is required to perform implantation.

The fixture and cover screw are cleaned and sterilized with gamma radiation. In order to prevent contamination or infection of the product or operated site, the product must be used with sterilized instruments in a sterilized environment. The unsterilized abutment and prosthetic components must be sterilized in an autoclave at 132°C for 15 minutes before use. After the steam sterilization, the abutment should be dried for 15 minutes.

Warning

Do not re-sterilize the fixture or cover screw in any case.

Warning

The use of electro-surgical instruments or lasers around metallic fixture and their abutments is not recommended due to the risk of electric shock and/or burns.

Procedural Precautions

The prosthetic structure is small; make sure it is neither swallowed nor inhaled by the patient. Angled abutments are not recommended for placement in the anterior region of the mouth due to limitations of implant strength. Stress distribution is especially important in implant operation as well as the fit of prosthesis and abutment on bridges, also the occlusal stability. Avoid using excessive force horizontally especially during immediate implantation. For the prosthesis whose substructure is made of gold alloy, gold should be used appropriately.

Operate prosthesis after enough healing period. The ceramic abutment needs a special manufacturing process; the technician should be specifically trained in this process.

When fabricating prosthesis, it is important to disperse stress adequately. In case of bridge, compatibility between prosthesis and abutment must be confirmed, and occlusal adjustment must be made.

The abutment screw must be locked using the 30 N.cm torque that is indicated on the packaging. Tightening 2~3 times repeatedly is recommended in order to prevent loosening. Excessive tightening torque may cause screw loosening.

Instruction for Use

Refer to Avita's operation guide in the prosthesis diagram which is demonstrated in the Avita Implant System manual.

Contraindications

Contraindications include the following, but are not limited to:

- Patients with hemophilia or difficulties related to bone or wound treatment
- Patients with uncontrollable diabetes, heavy smoker or alcoholic
- Patients whose immunity system is inactive due to chemical therapy or radiation therapy
- Patients with oral infection or inflammation (improper oral hygiene, bruxism)
- Patients with untreatable occlusion disorder, insufficient dental arch space, poor bone quality
- Patients who are allergic or sensitive to the titanium material
- Any patient who is not suitable for a surgery

Cautions for patient

Do not apply excessive stress on the teeth until the last prosthesis is placed.

Failure conditions

A few problems may occur after implantation (loss of implant stability, fallout, loosening, fracture, damage of prosthesis). Deficient quality and quantity of the remaining bone, infection, allergic reaction, inferior oral hygiene or uncooperativeness of patient, implant mobility, partial deterioration of tissue, and improper position or arrangement of implants may cause the above mentioned problems.

Disposal

Safely discard potentially contaminated or no longer usable medical devices as healthcare (clinical) waste in accordance with local healthcare guidelines. Separation, re-cycling or disposal of packaging material shall follow local legislation on packaging waste.

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