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## English

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### 1. Indication for use

Instruments used to place dental implants

### 2. Instruction for Use

- For operation procedures and detailed instructions and procedures for each product, please see our manual, catalogue, or website. ([www.dioimplant.com/eng/manual.do](http://www.dioimplant.com/eng/manual.do))
- For product code, specification, date of manufacture, expiration date, please see the label on our product.
- If you want to receive user's manual by mail, please e-mail us at [dio@dio.co.kr](mailto:dio@dio.co.kr).

### 3. Cautions before use

- Check the product before use.
- All equipment for surgery should be sterilized in advance.
- Non-sterilized products must be sterilized at 132°C for 15 minutes or at 135°C for 10 minutes with a high pressure steam sterilizer before use.
- After high pressure steam sterilization, they should be dried for 30 minutes.
- Determine suitability of the bone in which an implant will be put.
- Inform the patient of the instrument well so that excessive masticatory force is avoided during treatment.

### 4. Handling

- Check if surgery equipment is polluted before surgery.
- The product should be used only for dental surgery. It should be used in the proper order.
- Check if the blade of cutting part of the surgery instrument is blunt in the naked eye.
- When a cutting surgery instrument is used, spray saline solution to prevent the bone from being overheated.
- The operator should determine the status of the bone precisely and cut it with an instrument at the proper speed.
- As small instruments may go into the patient's throat during surgery, fix them with wires when used.
- Our surgery instruments may be re-used. Please replace them with new ones when their cutting force decreases.

### 5. Cleaning and sterilization for re-use

Surgery instruments must be cleaned and sterilized before re-use. Please follow the following procedure.

#### < Cleaning >

1) Remove pollutants (skin tissue, blood, pieces of bones, etc.) off the surface of the used instrument.

Till the next step is implemented, place the instrument in a humid place.

2-1) Cleaning surgery instruments with hands

- Put surgery instruments in water mixed with enzyme cleansing solution or similar cleansing solutions.
- Scrub the surface of the surgery instrument with a soft brush till all visible pollutants are removed. Wash small parts of the instrument with a cleaning needle.
- Remove cleansing solutions off the surface of the instrument with water.

2-2) Automatic cleaning with an ultrasonic cleaner.

- Put surgery instruments in a container of an ultrasonic cleaner and fill it with water completely.
- Wash it at room temperature for 10 or 15 minutes and drain the water.
- Wash the surgery instrument with water again and drain the water.
  - Follow the drying process of the cleaner and dry the surface of the instrument.
  - Repeat the cleaning process till the instrument is clean. Then, carry out a visual inspection.
  - Dry the cleaned surgery instrument with non-abrasive cloth and keep it before sterilization.

#### <Sterilization >

- Make sure to sterilize a non-sterilized product with a high pressure steam sterilize at 132°C for 15 minutes or at 135°C for 10 minutes before use.
- After high pressure steam sterilization, make sure to dry it for 30 minutes.
- Make sure to store the sterilized surgery instrument in a clean place at 15-30°C.

### 6. Prohibition

- Patients who have had heart attack or arteriosclerosis
- Non-cooperative patients or patients with mental or physical disabilities which may cause unstable prosthesis, failure in fixing prosthesis, or complications during post-surgery treatment.
- Patients who may be affected by surgery due to bone regeneration, microcirculation, or blood
- Pregnant women
- Patients with high blood pressure or diabetes

### 7. Warning

- As wrong surgery may cause damage of prostheses or surrounding osseous tissues, prostheses should be placed by experienced dentists.
- Dentists must fully understand directions and cautions about the product before use.
- Defective products should be returned.
- Operations on patients who are not supposed to have implant surgery may cause failure of implant surgery and loss of supporting bones.

### 8. Side effects and complications

- Dehiscence, delayed healing, and edema due to anesthesia
- Hematoma, infection, and inflammation

- General hypersensitivity reaction



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DIO Corporation (Information of Symbol)			
	●US,GB -CE Marking		●US,GB -Catalogue number
	●US,GB- Non-sterile		●US,GB- Do not use if package is damaged.
	●US,GB -Caution		●US,GB- Manufacturer's Name and Address
	●US,GB- Consult instruction for use		●US,GB - Authorized representative in Europe
	●US,GB -Use by (Expiration Date)		●US,GB - Serial number
	●US,GB -Batch code		●US,GB - Date of manufacture
	●US,GB -Temperature limitation (Storage Temperature)		●US,GB - Caution: Federal law(USA) restricts this device to sale by or on the order of a licensed dentist