



# Barbed Broaches Instructions for Use



READ INSTRUCTIONS BEFORE USE

NON-STERILE

Before using the Optimum Barbed Broaches, please see the instruction manual as indicated below.

## CONTRAINDICATIONS AND PROHIBITIONS

Do not use in patients who are sensitive or allergic to this product.

Do not use the product unsterilized.

## INTENDED USER

This product shall be used only by dentists who are familiar with dental techniques.

## TARGET PATIENT GROUP

All patients receiving dental treatment.

## CLINICAL BENEFITS

It contributes to the pulpectomy or penetration/enlargement of the root canal in dental treatment.

### Shape and materials

- Working part: Stainless steel
- Handle: Aluminum



## INTENDED USE OR EFFECTS

Long tapered dental severing instruments with a blade used to form/enlarge a hole in the root canal or to extract the pulp.

## INSTRUCTIONS FOR USE

Select instruments with an optimal size according to the intended use, and use it to extract the pulp from the root canal.

## PRECAUTIONS FOR USE

1. Sterilize by autoclaving to prevent infection, and confirm that the product is sterilized before use.
2. Use the product with great care not to puncture fingers, etc. due to having a shar blade.
3. Use protective glasses, etc. to prevent eye damage. Wear a dust mask during operation to prevent sucking dust generated during operation.
4. Before use, check the product for deformation, scratch, crack, etc. outside the patient's mouth, and if any scratch or damage is found on the product, replace and discard the product.
5. If the head is slim, long, or large, avoid using the product at an unreasonable angle or under excessive pressure that may cause breaking or bending.
6. Attach a chain, thread, etc. to the opening hole of the handle to prevent fall into the oral cavity.
7. Use a rubber dam or gauze screen to prevent accidental ingestion/aspiration. For patients with a high risk of accidental ingestion/aspiration, the sitting position shall be used for treatment as much as possible, avoiding the horizontal position.

8. Long-time immersion in a corrosive solution such as EDTA and sodium hypochlorite may cause corrosion; thus, attention should be paid to such solution.

9. Do not store the product under a germicidal lamp to avoid degradation.

10. Do not use the product if the packaging is damaged.

## CLEANING METHOD (INCLUDING TREATMENT BEFORE STERILIZATION)

1. Immerse in medical detergent (enzymatic). The concentration, temperature, immersion time, etc. should be according to the instruction manual of the detergent.
2. Clean by ultrasonic with medical detergent (enzyme system). The cleaning time, etc. should be according to the instruction manual of the medical detergent.
3. When performing ultrasonic cleaning, hold it on a stand, etc. so that the working components of products do not touch each other.
4. Thoroughly rinse off the medical detergent.
5. Check visually whether there remain any adhered substances etc. If any adhered substance is found, repeat the above procedure from 1 to 4.
6. Dry the product. (Air blow, etc.)

## STERILIZATION METHOD

1. Before use, clean and sterilize by the following method.
2. Sterilization method: Put it in a sterilization tray or stand, and place it in a sterilization pack (or foil) to autoclave under either of the following conditions:

## STERILIZATION CONDITIONS

term (1) temperature: 121°C	time: 20 min or more
term (2) temperature: 126°C	time: 15 min or more
term (3) temperature: 134°C	time: 3.5 min or more

3. When performing the drying process, dry at 175°C or lower for less than 30 min.

## DISPOSAL

1. Carefully handle when disposing of this product due to having a sharp blade.
2. This product should be discarded appropriately as medical waste.

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