

Geistlich SmartScraper

Cortical Bone Collector
and Delivery Device

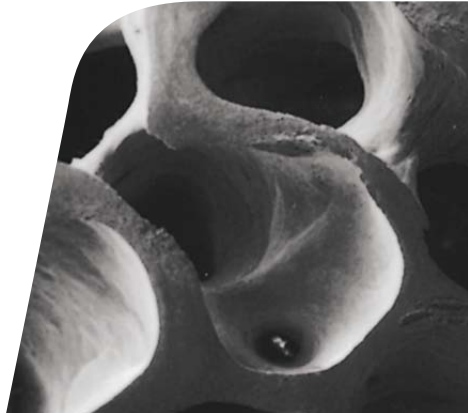


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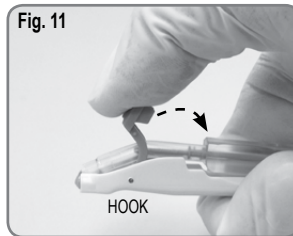
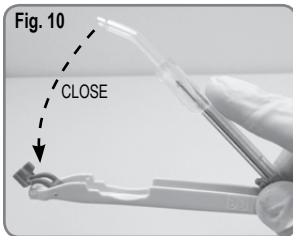
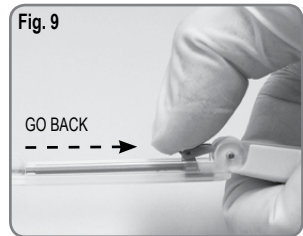
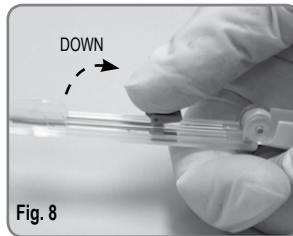
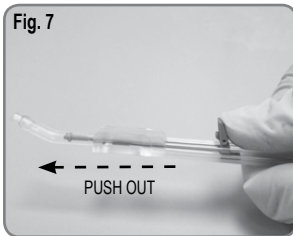
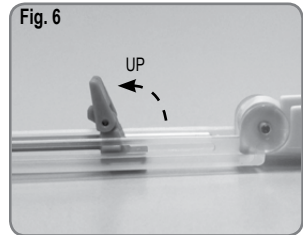
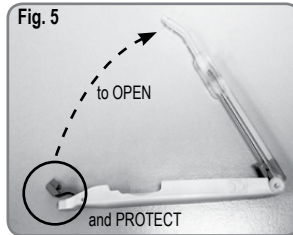
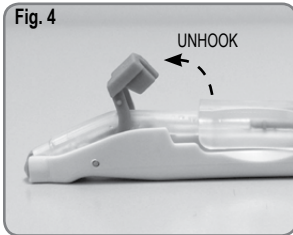
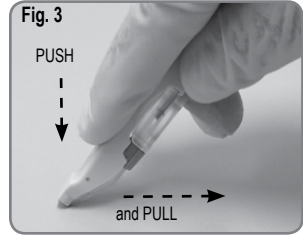
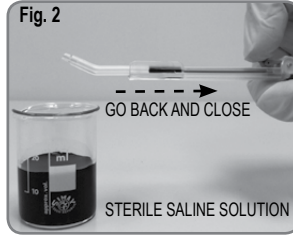
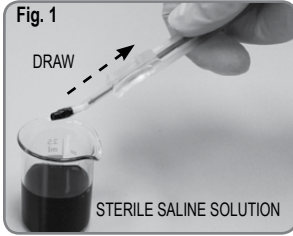


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INSTRUCTIONS FOR USE


Cortical Bone Collector and Delivery Device




Geistlich SmartScraper

INTENDED USE

The Geistlich SmartScraper is a tool designed for the collecting of autogenous bone for direct in-situ grafting as part of intraoral applications.

- Before use, check that the package is intact.
 - Do not use the product if the package is damaged.
 - The Geistlich SmartScraper must be used exclusively by a skilled clinician.
 - The clinician must assess the suitability of patients for bone grafting and the appropriate surgical procedure.
 - The clinician must take all necessary precautions to prevent the risk of infection and complications associated with bone grafting.
 - The Geistlich SmartScraper is a single-use instrument. DO NOT clean or sterilize after use.
-  **Warning:** if it is reused on another patient, there is a risk of cross-contamination and loss of performance and functional characteristics of the device.
- Always wear sterile gloves when handling the Geistlich SmartScraper device and strictly follow the procedures in order to guarantee a sterile environment. Make sure you do not cut sterile gloves with the sharp end of the tool.
 - Discard after use in special medical waste containers in compliance with the regulations in force.
 - The manufacturer does not bear any responsibility for improper use of the product.

- 1 Open the package from the side showing the symbol. 
- 2 The device is fitted with a green plunger to draw sterile saline solution before bone harvesting begins (see Figs. 1 and 2). This makes it easier to harvest the bone and keep it hydrated.

Collect the bone by pushing the end of the device towards the surface of the bone and then pull the device back at the same time (see Fig. 3). Bone can also be harvested by making oblique and sideways movements. Vary the angle of the tool and the pressure applied to obtain the required consistency of bone chips or shavings. The Geistlich SmartScraper reservoir can store up to 0.30 cc of bone.
- 3 The device must be held with the transparent reservoir always facing towards the bone. Hold the Geistlich SmartScraper securely to ensure precise movements during use (see Fig. 3).
- 4 The Geistlich SmartScraper is designed with a syringe allowing the collected bone to be grafted directly into the site of the implant or defect. Follow the instructions shown in Figures 4 to 7 to extract the syringe and prepare the plunger for injecting of the collected bone. Release the safety lever (see Fig. 4) to detach the container from the blade holder body. The device is also designed to protect the user from accidental contact with the sharp blade (see Fig. 5). Proceed to filling the bone defect by injecting the collected bone directly in-situ. (Fig. 7).
- 5 Close the device and follow the instructions in Figures 8 to 12 to continue the bone harvesting and grafting procedure.
- 6 Set the device to the closed and locked position (see Figures 10 and 11) before disposal.

USEFUL TIPS

In the event of poor cutting quality, adjust the angle of the device and apply additional pressure on the bone. If this does not provide improved performance then the blade may be worn. Change the device.

These instructions for use as well as further information about the Geistlich SmartScraper are available online: www.geistlich-na.com

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