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Diamond Degranulation Burs

DSI Degranulation Kit



INSTRUCTIONS FOR USE

INTRODUCTION

Use the **Degranulation Kit** to remove elements that can potentially inhibit healing or promote infection. The kit is supplied with four specially designed burs (1.0, 2.5, 3.0, 3.5 mm) a cleaning brush and a suction nozzle.

INDICATIONS FOR USE

Use the **Degranulation Kit** for the removal of elements present following tooth extraction such as soft tissue, tooth root debris and bone fragments that could potentially impair the healing process.

CONTRAINDICATIONS

The device is not suggested for use on patients who are contra-indicated for dental implantation.

WARNINGS

- For use by qualified, trained dental professionals only.
- Read the instructions before using the kit.
- Sterilize burs and suction tube before initial use and between patients.
- Inspect all components before use. If any damage is observed discard the component.
- Do not exceed the maximum speeds indicated in this leaflet.
- Ensure that the bur is fully seated and gripped before use.
- Always wear gloves when handling contaminated instruments.
- Eye protection must be worn to protect against ejected particles.
- Surgical mask must be worn to avoid inhalation of aerosol or dust generated.

USE OF THE DEVICE

1. Perform an atraumatic tooth extraction while preserving the integrity of the socket walls.
2. Using a surgical curette debride the soft tissue in the socket.
3. Use the dedicated suction to remove blood from within the socket to allow direct visualisation of the socket walls, and identify regions that still harbour soft tissue that penetrates the bone.

4. Attach the burr to the physio-dispenser and operate it at drilling speeds of 800-1200rpm to scrape the defect walls. Scrape initially with no water and then use in conjunction with water to rinse the drill and the socket and defect while employing the dedicated suction.
5. Repeat the procedure until complete removal of the soft tissue and cleaning of the defect is accomplished.

Please Note

There is no need to sterilise or disinfect the site with chlorhexidine or antibiotic solutions. The cleaning under direct visualisation employing the dedicated drill and suction should be sufficient to secure the site to remain infection-free. In case the suction tube becomes obstructed perform the following steps:

1. Disconnect the suction from the handpiece and inject sterile water into the suction using a sterile syringe.
2. Insert the brush to clean out any debris.
3. Repeat the process till full cleaning of the suction tube is achieved.
4. Finish the cleaning process by injecting of sterile water into the suction tube.
5. Return the suction on the handpiece to continue the treatment.

STERILIZATION

The burs and suction tube are supplied non-sterile and should be sterilized before initial use and after use on each patient.

Sterilization should be performed in an autoclave under the following conditions:

Temperature: 132 to 135 °C (270 to 275 °F); Pressure: 2 atm; Time: 20 min; Dry: 15 min.

After use the burs should be cleaned using the burs and instruments special liquid.

Soak the bur in an ultrasonic bath for at least 15 minutes. Sterilize again as stated above.

STORAGE

The user must avoid all acts that could affect the product marking or shelf-life, the bur surface or the bur geometry such as unnecessary force, heat, UV radiation, moisture, etc.

PACKAGING

DSI Degranulation Kit: burs (1.0, 2.5, 3.0, 3.5 mm), cleaning brush and a suction tube.

Ref: DG-BUR-K



Failure to comply with the conditions of storage leads to a change of the working characteristics of the material and decrease the shelf life of the material. The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product. Responsibility for the use of the material for purposes other than those specified by the manufacturer falls on the user.