



# Gentlefile® Smart System

The disinfection of canal prepared by rotary NiTi system

## Introduction.

The Tornado Disinfection Kit by MedicNRG is the only system that integrates three different forces at once:

1. **Activation** of the NaOCl
2. **Turbulence** of the NaOCl
3. **Centrifugal force effect** that scrubs and smooths the canal wall with 6 tiny (0.06 mm) wires which are pushed towards the canal walls.

The unique effectiveness of these 3 forces is achieved due to the six strands of stainless steel that open inside the canal and follow the canal 3D anatomy. They are powered by the dedicated "Gentlefile® Drive" at 6500 RPM. The open wires scrub and smooth the canal wall within 20-30 seconds

## TORNADO - IFU

The Red rotary Gentlefile® is an inherently flexible cleaning file with a rough surface, which enables a true filing action, with no cutting whatsoever. Operated with copious irrigation in the existing canal space.

The Gentlefile® reaches the irregular areas of the canal by centrifugal force and removes the organic debris.

**To complete the disinfection of canal prepared by rotary NiTi system**, it is first required to clean the irregular spaces.

This is accomplished with the Red Gentlefile® operating centrifugally to remove the rest of the debris from the canal.

**Introduce the Red Gentlefile** into the coronal 3rd and **only then** operated the "Gentlefile-drive". Slowly move the Red file up and down in the canal towards the apical zone, creating the turbulence effect, and simultaneously activating the NaOCl. This should take up to 10-15 seconds.

Irrigate again and repeat until you will **see the liquid is clear, without dentin dust.**

At the end of the cleaning procedures with the Red file, irrigate with EDTA or citric acid. **Then operate the GF-Finisher-Brush** in the canal to activate the solution for about 15-30 seconds.

Position the **GF-Brush** about 1-2 mm from the apex activates the handpiece and slowly withdraw the **GF-Brush** in continues movements in up and down motion to get the best results from the activation process. Irrigate again with NaCOL and activate again for about 20-30 seconds. This will enable the irrigants to reach the entirety of the canal for absolute canal disinfection.

**Note that during the last cycle the liquid is clear, without dentin dust.**

Dry the canals, and fill.

Note: Gentlefile are provided non-sterile and must be sterilized before use in autoclave according to the medical standard