



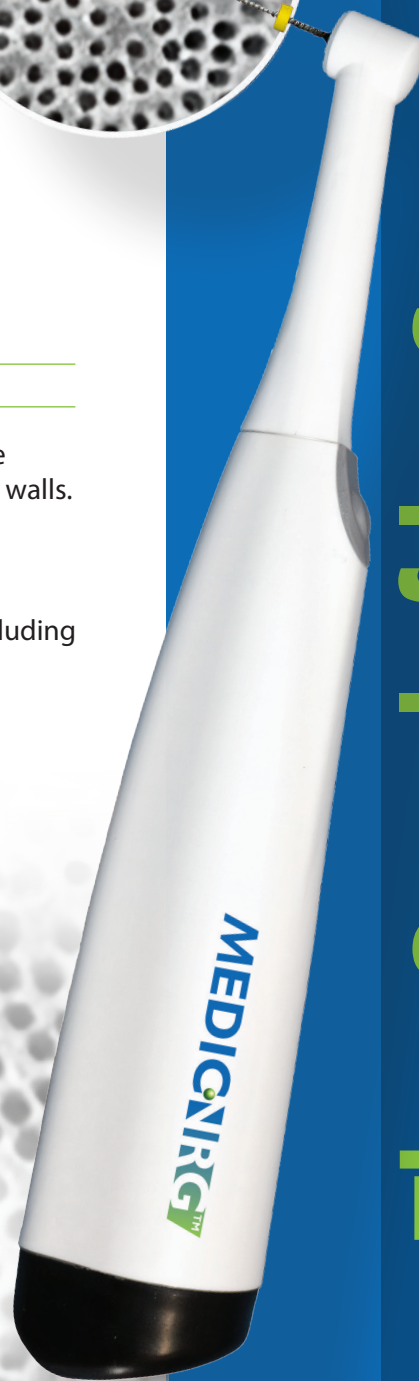
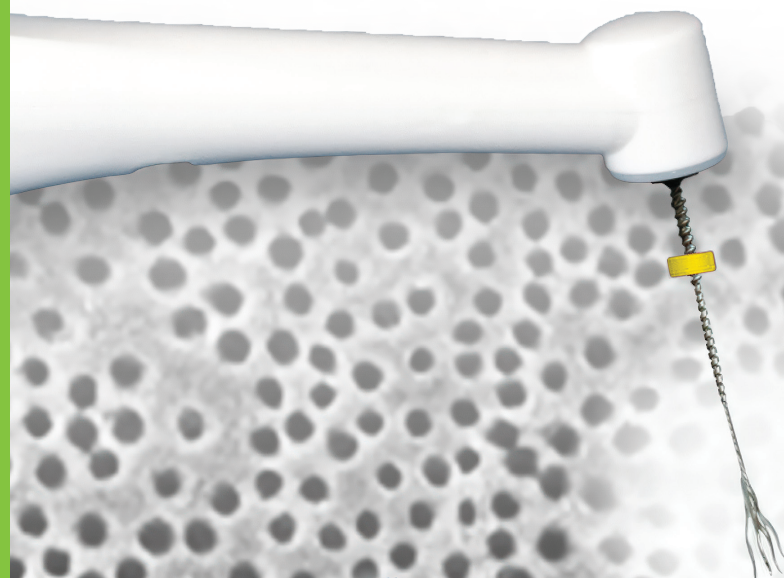
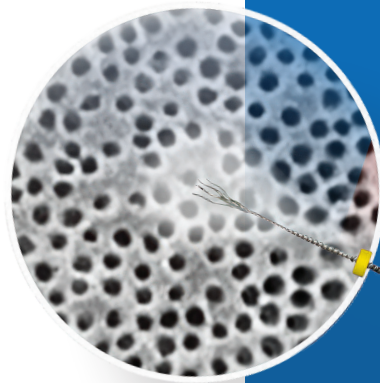
Gentlefile® Disinfection System

Disinfection by 3 integrated forces:
Operated by dedicated handpiece at 6500 rpm.

- **Activation** of root canal irrigants.
- **Turbulence** of irrigants, which enhances the impact of liquid droplets against the canal walls.
- **Scrubbing** effect of root canal walls by 7 strands of stainless-steel wires

Key Benefits:

- The only system that integrates 3 different forces that enhance disinfection - activation, turbulence and scrubbing of dentinal walls.
- Exposure of lateral canals.
- Chemo-mechanical debridement of the root canal system, including oval and irregularly shaped canals.
- Effective removal of residual debris.



The Gentlefile® System

Worldwide, a large percentage of root canal treatments fail because of incomplete disinfection procedures.

The success of endodontic therapy relies on efficient disinfection of the root canal system and prevention of recontamination.

Still, studies show that even meticulous instrumentation and irrigation with NaOCl cannot render the canal bacteria free, mainly due to the presence of lateral canals, ramifications, and apical deltas.

Different techniques and devices have been introduced in order to improve disinfection and further amplify the removal of organic tissue and debris from hard-to-reach areas in the root canal system.

Triple Force Technology

The Gentlefile® Disinfection Kit by MedicNRG is the only system that integrates 3 different forces simultaneously:

- **Activation** of irrigants, namely NaOCl and EDTA.
- **Turbulence** of irrigants, which enhances the impact of liquid droplets against the canal walls.
- **Scrubbing** canal walls by means of a strong centrifugal effect, using 7 fine strands (0.08 mm) that engage the dentinal walls.

Application Protocol

After preparing the canal with traditional manual and/or rotary NiTi files, the inner surface of the canal becomes coarse and irregular. Therefore, it is first required to smooth this irregular surface in order to amplify the penetration of the irrigation solution into the dentinal tubules.

The Gentlefile® Red-Scrub centrifugally operates to remove any remaining smear layer and debris left after the mechanical preparation. Following fresh irrigation, the finisher Gentlefile® Brush is inserted at 6,500 RPM to enable the irrigants to reach the entirety of the canal system and facilitate thorough disinfection, by removing remnants of debris and bacteria. Slight up and down movements inside the canal create a strong turbulent flow and simultaneously activate the irrigants, opening lateral canals and enabling the irrigation solutions to reach hard-to-reach areas.

Gentlefile® Disinfection Kit contents

- Cordless, dedicated Handpiece, with a Charger
- Blister pack of Single-Use, Red-Handle, Gentlefile® Scrubs.
- Blister pack of Single-Use, Black-Handle, Gentlefile® Brushes.
- 3 Disposable Heads (Including 1 mounted).

Manufacturer: **MEDICNRG™**

MedicNRG Ltd., 2 Hamal St., Afula 1857107, Israel
sales@medicnrg.com
www.medicnrg.com | www.gentlefile.com



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