



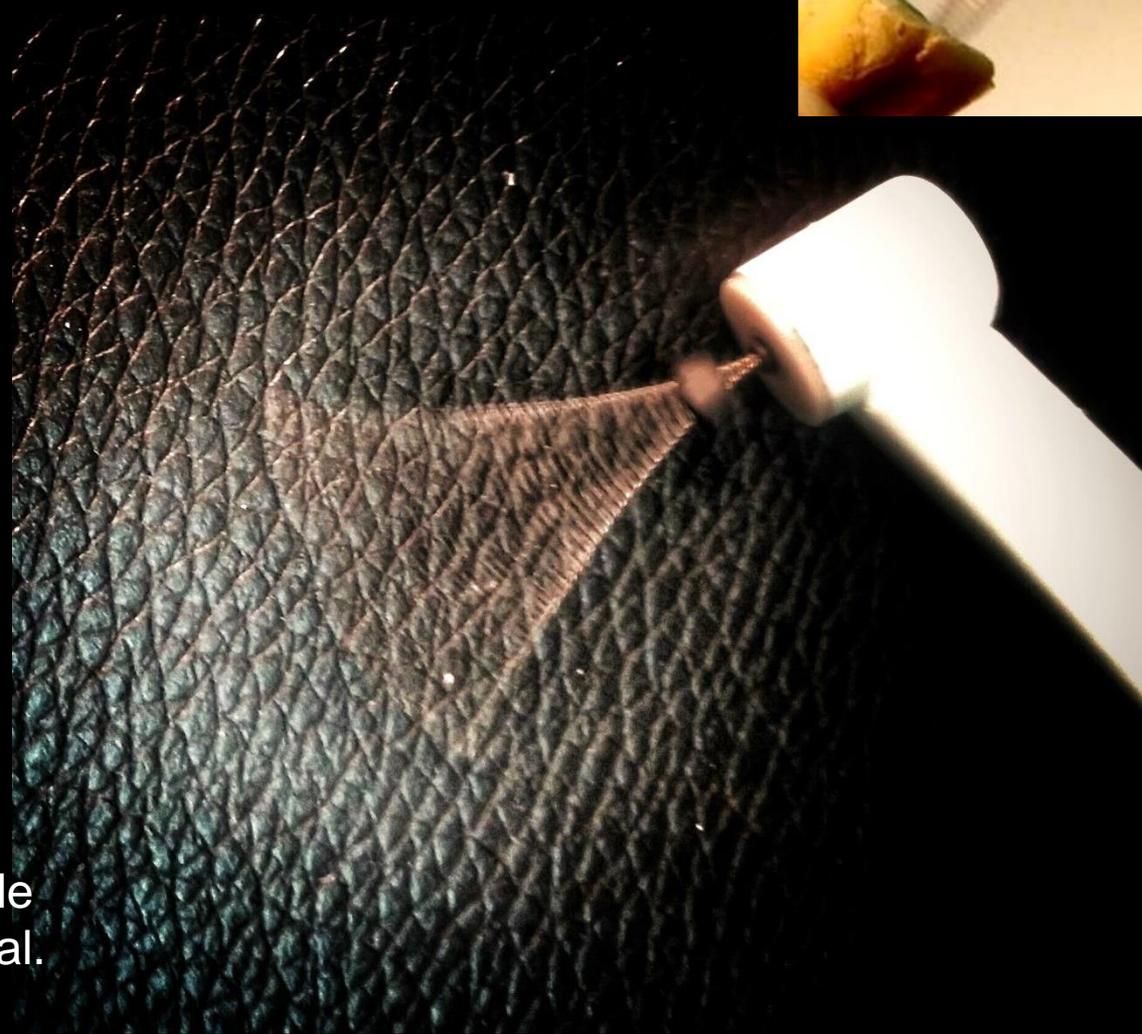
Gentlefile<sup>®</sup> The Finisher-GF-Brush  
revolutionary disinfection solution



## The Finisher- GF- Brush

The finisher activates the  
Sodium hypochlorite in 6500 rpm :

- ✓ removes the rest of the debris,  
Mainly that left in the apical third.
- ✓ destroy the remnants of the  
**Biofilm** sticks on the canal wall
- ✓ reach and approach unreachable  
area, such a small niche in the canal.



For more info. see our web page: [www.gentlefile.com](http://www.gentlefile.com)

**MEDICNRG<sup>™</sup>**  
Precise Endo Technology



# The Weaknesses of root canal disinfection

**Worldwide, a large percentage of root canal treatments fail the first treatment because of incomplete disinfection procedures in the root canal.**

The disinfection is unsuccessful in destroying all pockets of bacteria. The current protocols are long and involve aggressive chemicals (such as sodium hypochlorite) used in the irrigation of the canal. The result is neither absolute nor reliable.



# The Weaknesses of root canal disinfection

**The bacteria within the root canal are divided into 2 groups:**

**Planktonic bacteria:** These bacteria thrive in the canal space. Anti-bacterial disinfection agents are supposed to destroy them in the cleansing process, if the agents are able to reach the bacteria. In curved canals, the agents encounter difficulty in reaching the apical region due to anatomical narrowing and air bubbles as well as liquid capillarity, which limit or completely prevent access to this very narrow area.

**Biofilm:** A collection of inter-joined bacteria underneath a common membrane, which cling tightly to the dentin layer. The biofilm **is not** sensitive to anti-bacterial agents. Until now, no reliable method has been able to destroy the biofilm in an absolute manner, nor has any method been able to successfully attack the bacteria “hidden” in the dentinal tubuli.



Medicnrg recently developed a very simple , safe and low cost complementary file to the Gentlefile system as well for all other systems **the Finisher Gentlefile Brush**

Due to difficulties in completely obturating curved canals with irregular cross sections, bacteria left in a root canal may cause an infection and require a repeat root canal treatment.

**The Finisher Brush will help minimize repeat canal treatments!!**

irregular cross sections



Debris & bacteria left in the canal

**MEDICNRG™**  
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**The solution**

**The Finisher Gentlefile Brush**



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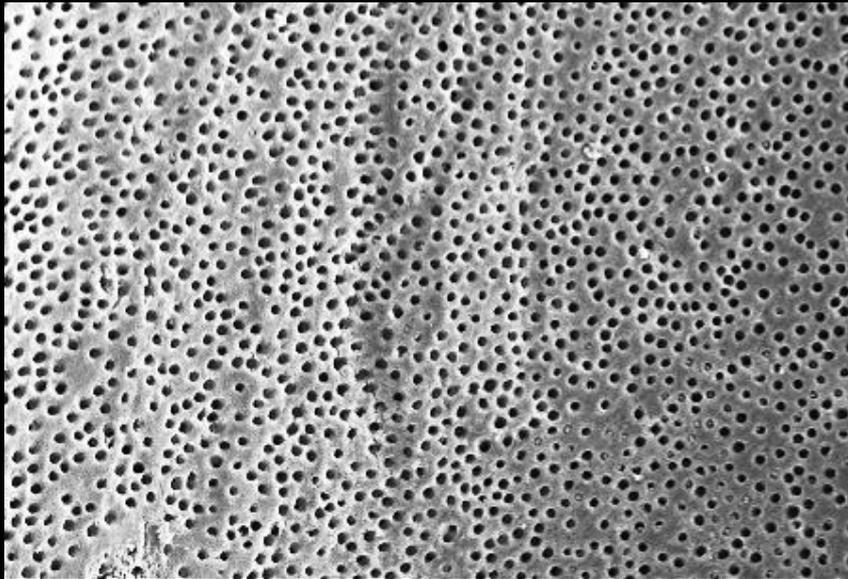
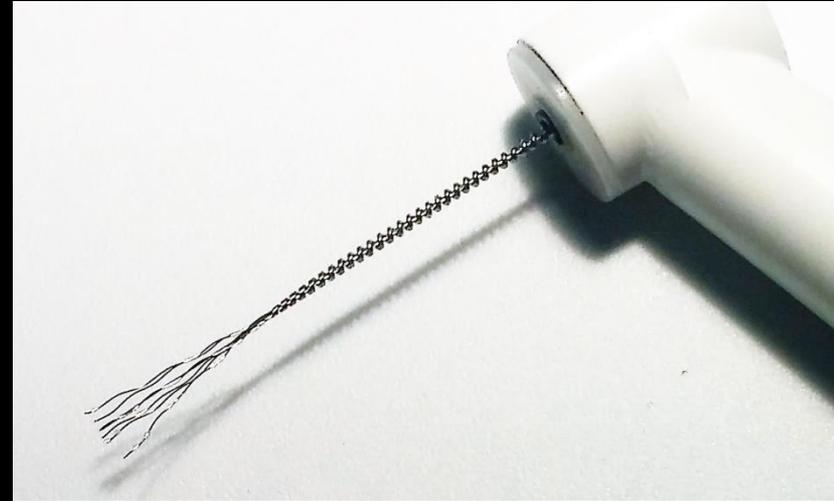
### **The main finishing purpose of the GF-Brush is:**

To activate the sodium hypo chloride and remove the rest of the debris, mainly that left in the apical third.

- ✓ To destroy the remnants of the Biofilm that sticks to the canal wall by the six flexible strands that open outwards once it's operated by the handpiece **and scrub and smooth the canal wall with the sodium hypo-chloride**
- ✓ To reach and approach unreachable area, such a small niche in the canal
- ✓ In case of retreatment RCT, to clean the rest of the Gutta Percha and sealer particles that are stuck on the canal walls.

✓ **The Finisher-GF- Brush**

effectiveness is due to the 6 strands of stainless steel flexible wires that open outwards by themselves, once it's operated by the handpiece at 6500 rpm .The brush wire scrubs and smooths the canal wall.



The apical zone . Magnified by x 500

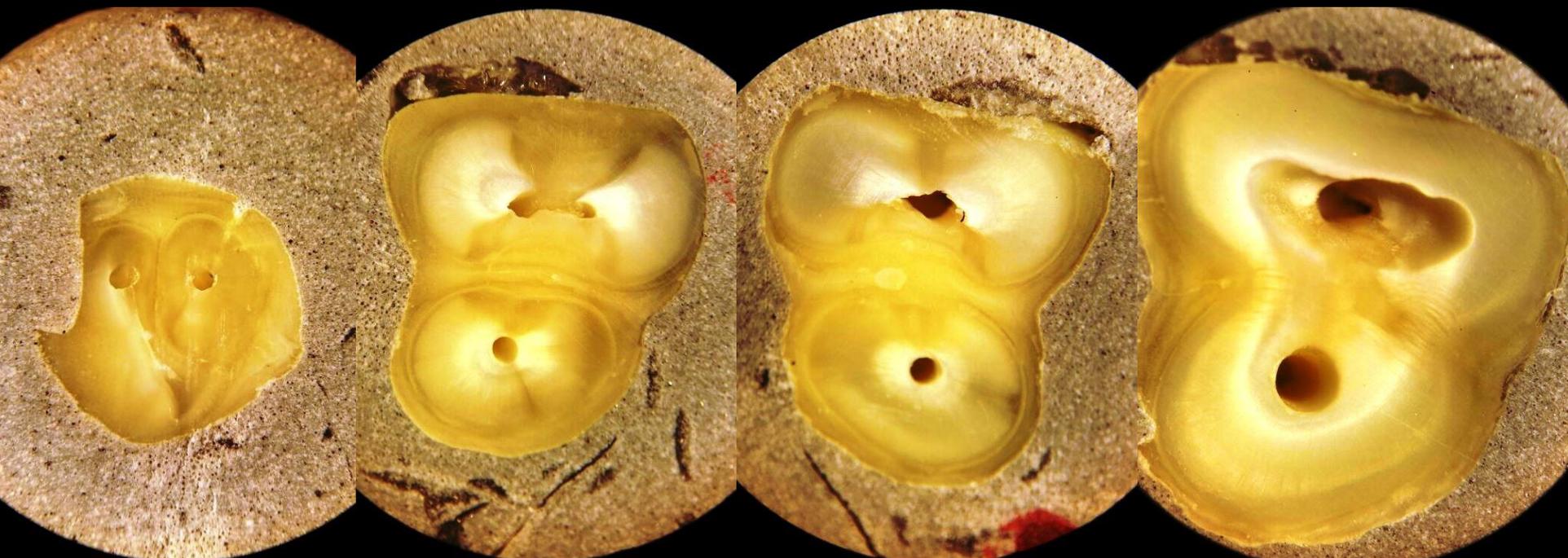




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revolutionary disinfection solution



Extract tooth before sealing, Prepared by Gentlefile  
and finished by the **Finisher-GF-brush**



2 mm.

4. mm

6 mm.

8mm

Distances from the apex

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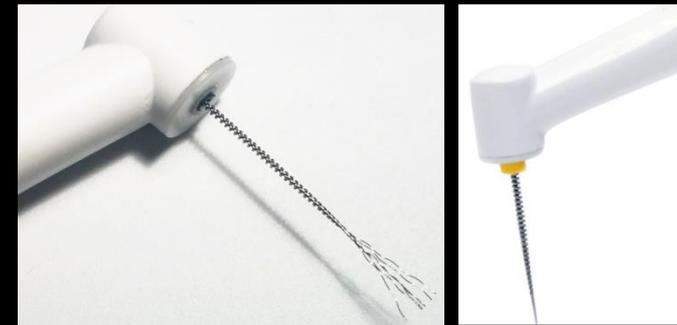
Gentlefile<sup>®</sup> disinfection starter kit in less than **500 \$**

## Disinfection kit (user prices)

The disinfection kit include the following:

1. Handpiece about
2. Box of 20 finisher GF brush
3. 12 Disposable head about - 6\$ each

- ❖ All the items are single use out of the handpiece
- ❖ Local prices according to the local distributor



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