Cross sections

Most canal cross sections are not round.
Most are of an oval shape , even in the apical zoon

See what happens when it's prepared by Gentlefile compared to canals prepared by NiTi.
NiTi can only shape round canals

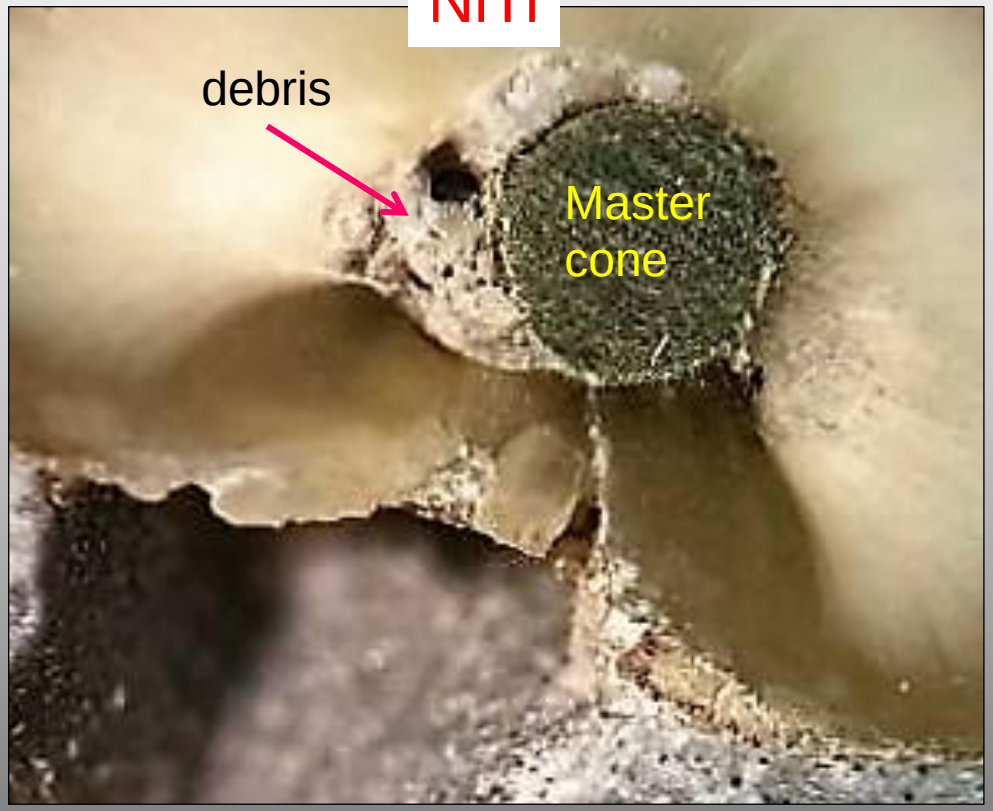
Demonstrate the upper part of the slices , thickness of about 1.6 mm each.

Gentlefile®
by MedicNRG

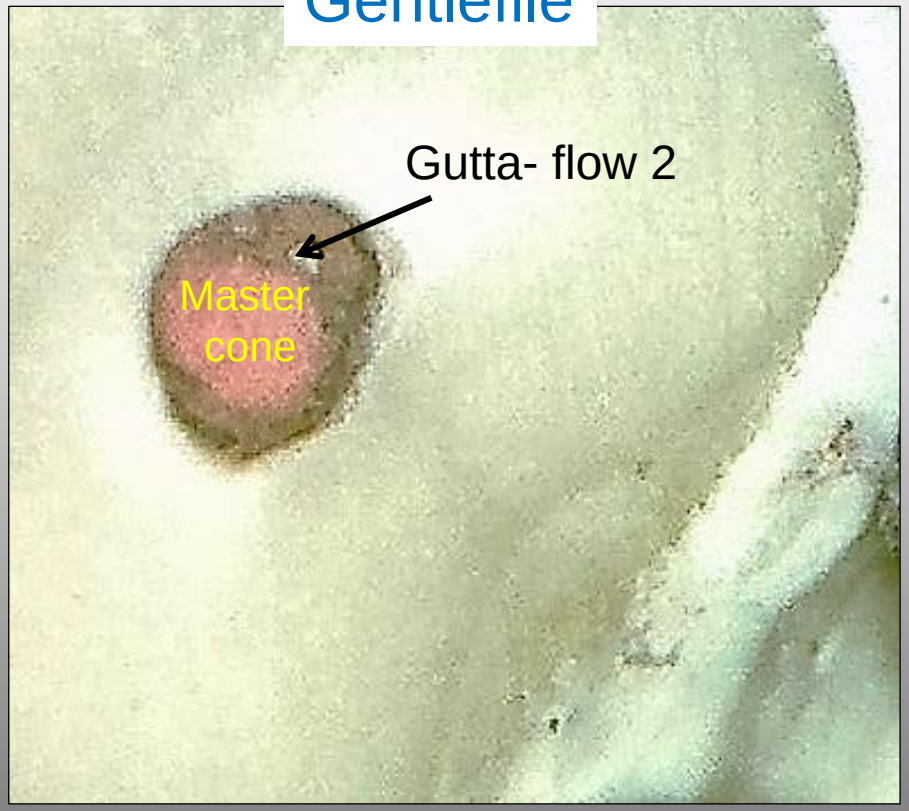
Comparison : cross section by rotary NiTi and by Gentlefile

Both cross section are 4 mm from the apex

NiTi



Gentlefile



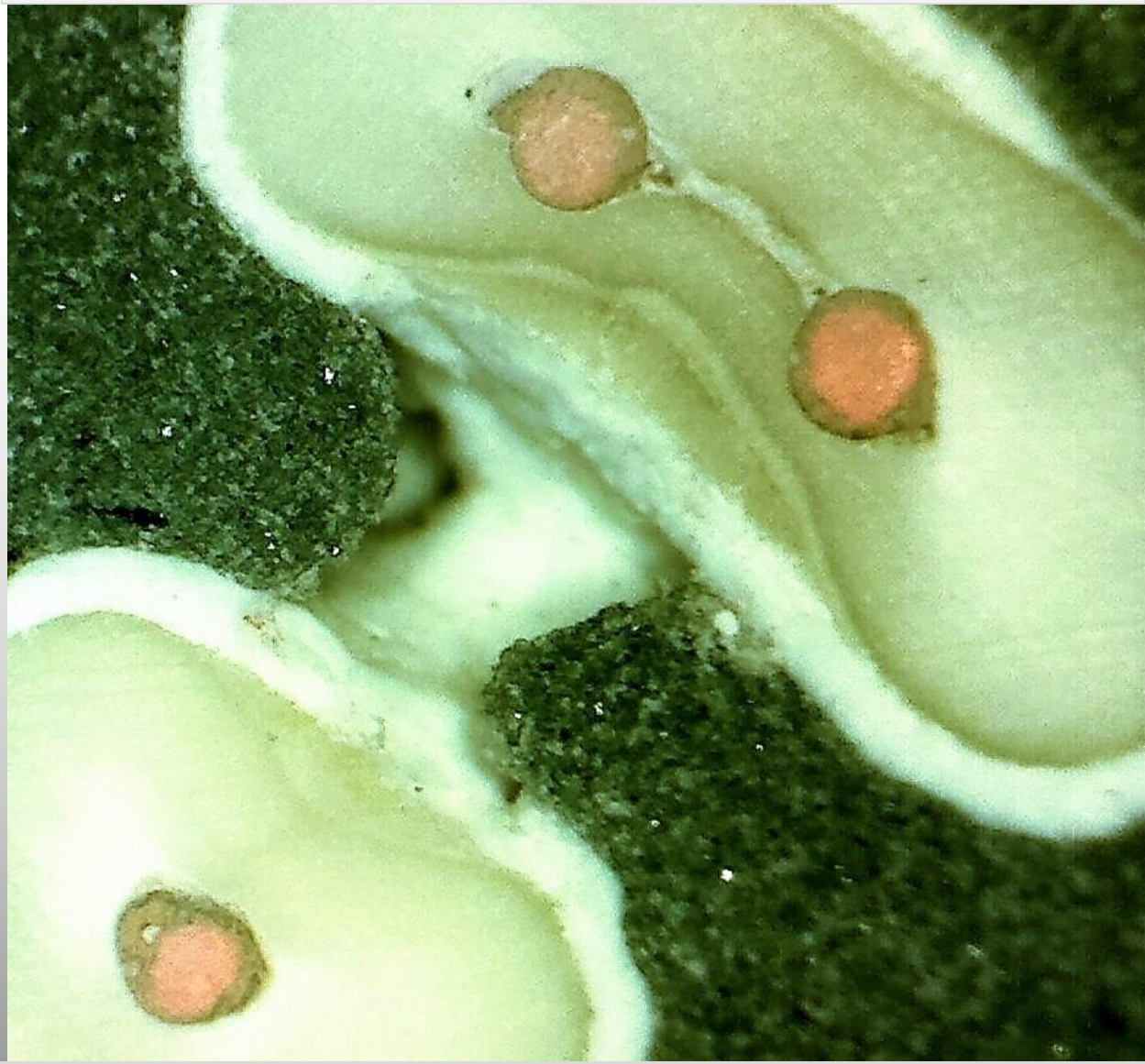
Cross section by rotary NiTi

Note: **all the debris (and bacteria) around the master cone.**

typical canal's surface area unchanged due to the oval cross section

Gentlefile®
by MedicNRG

Cross section by Gentlefile



Note : the Canal sealing was accomplished by using the new version of the Gutta-flow 2 around the master cone .

Gentlefile®
by MedicNRG

The Game Changer in the Rotary File Market

Gentlefile Endodontic File System

Gentlefile®
by MedicNRG

Gentlefile's capabilities to clean and follow the shape of oval cross sections

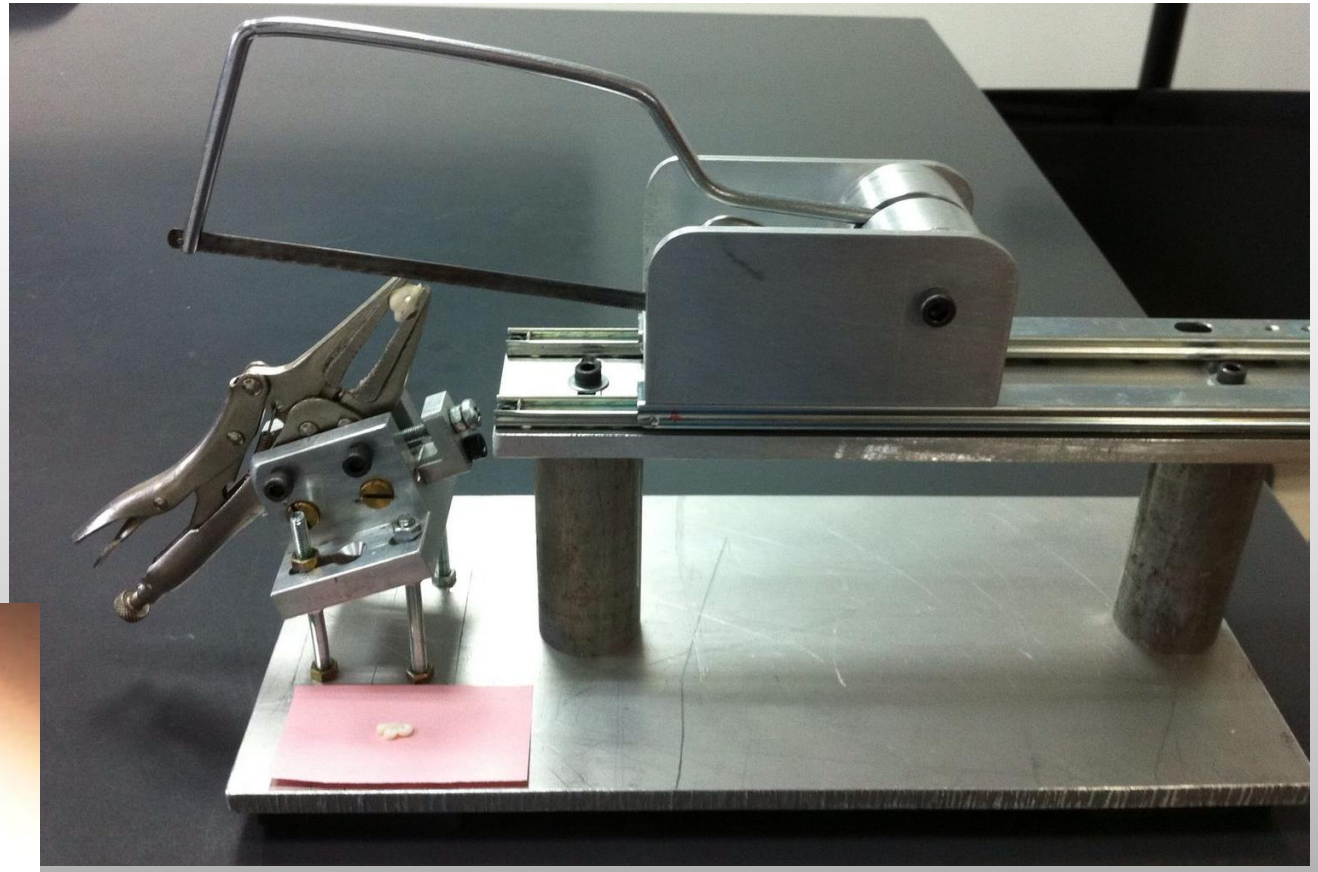
- A short presentation showing the Gentlefile's capabilities to clean and follow the shape of oval cross sections while preparing the canal.

- Canal sealing was accomplished by using the new version of the Gutta-flow-2 and a master-cone.

- Pay attention to the space between the master-cone and sealer, it is about 70% of the volume. Proof of the quality of the cleaning by the Gentlefile .

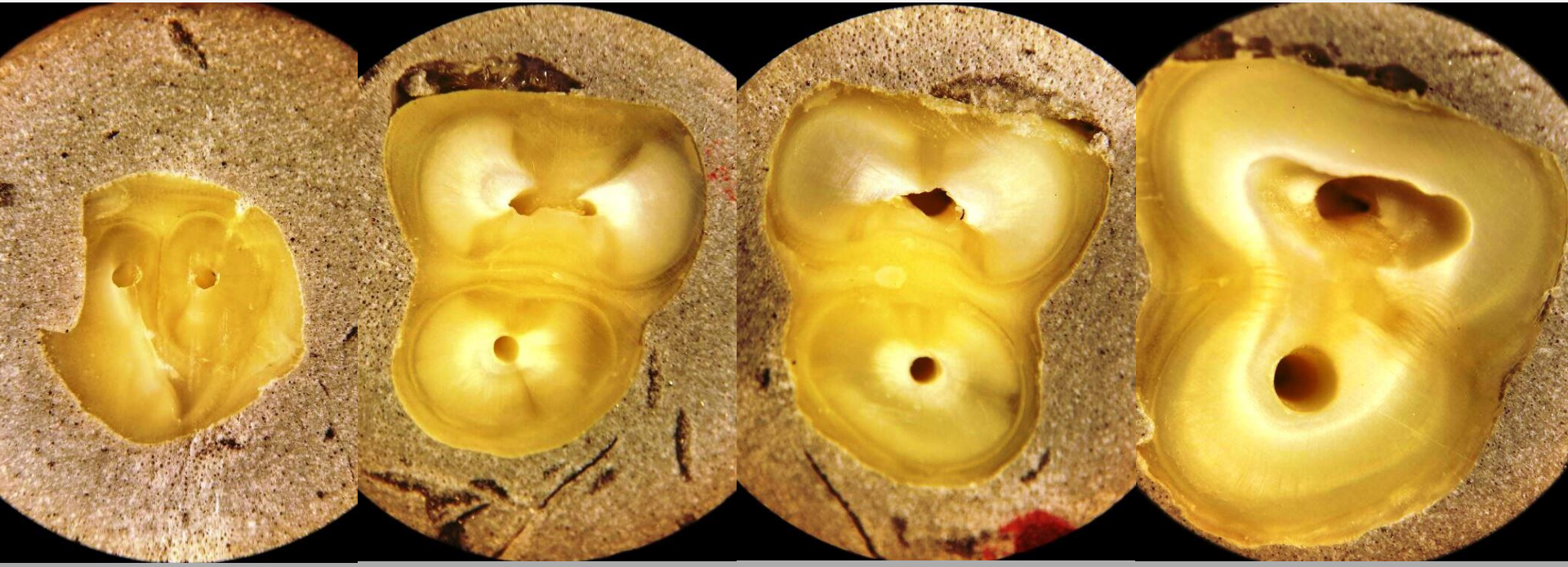
Gentlefile®
by MedicNRG

How we cut the 2 mm slices



Gentlefile®
by MedicNRG

Demonstrate the upper part of the slices , thickness of 1.6 mm each before sealing . Prepared by Gentlefile

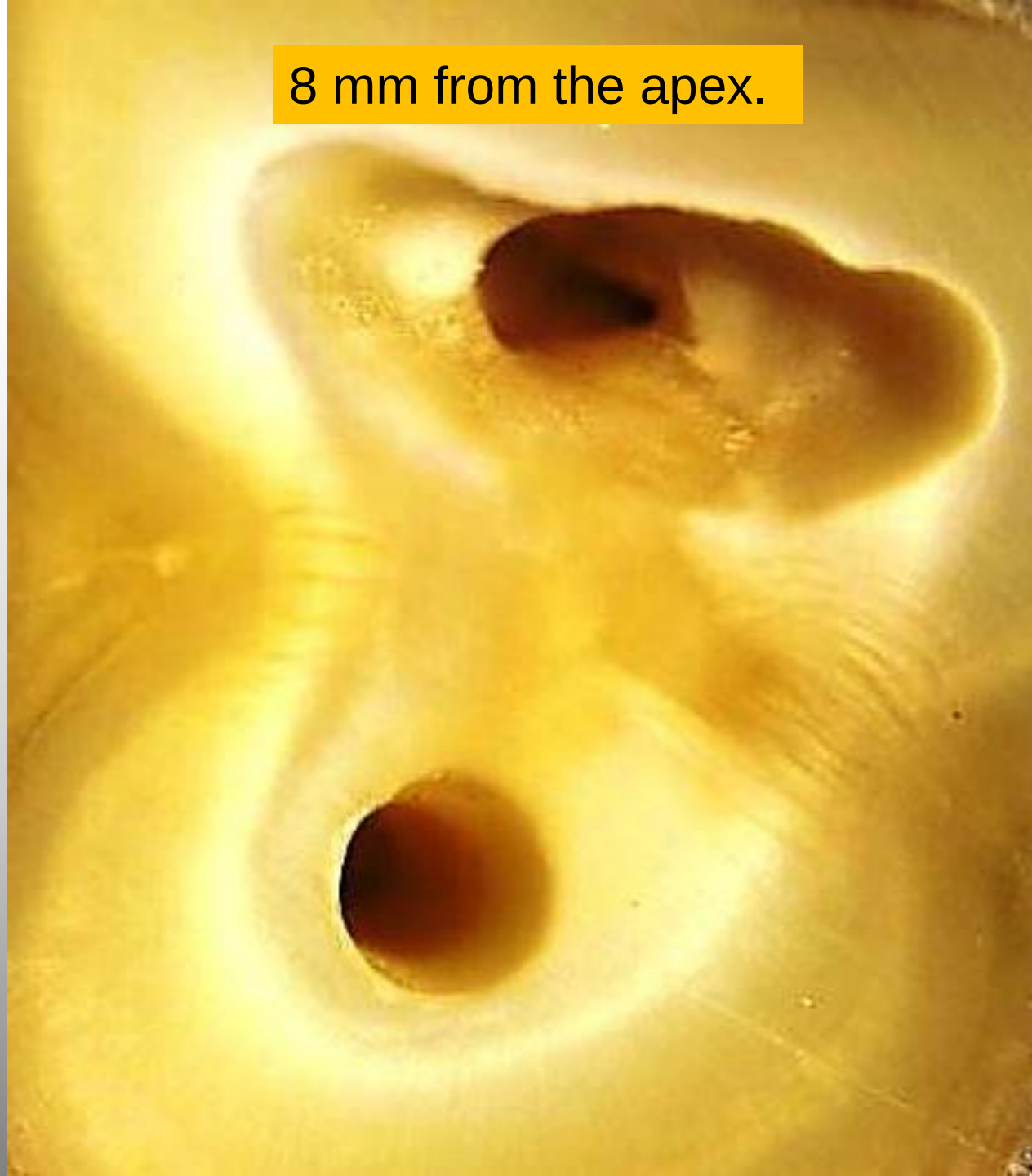


2 mm. 4. mm 6 mm. 8mm

Distances from the apex

Dr-Stone-Serial no. 33

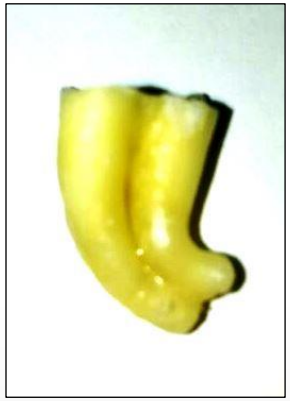
Gentlefile®
by MedicNRG



Gentlefile®
by MedicNRG

4 mm from the apex.

Gentlefile®
by MedicNRG



Demonstrate the upper part of the slices ,
thickness of 1.6 mm each. Prepared by Gentlefile

2 mm.

4. mm

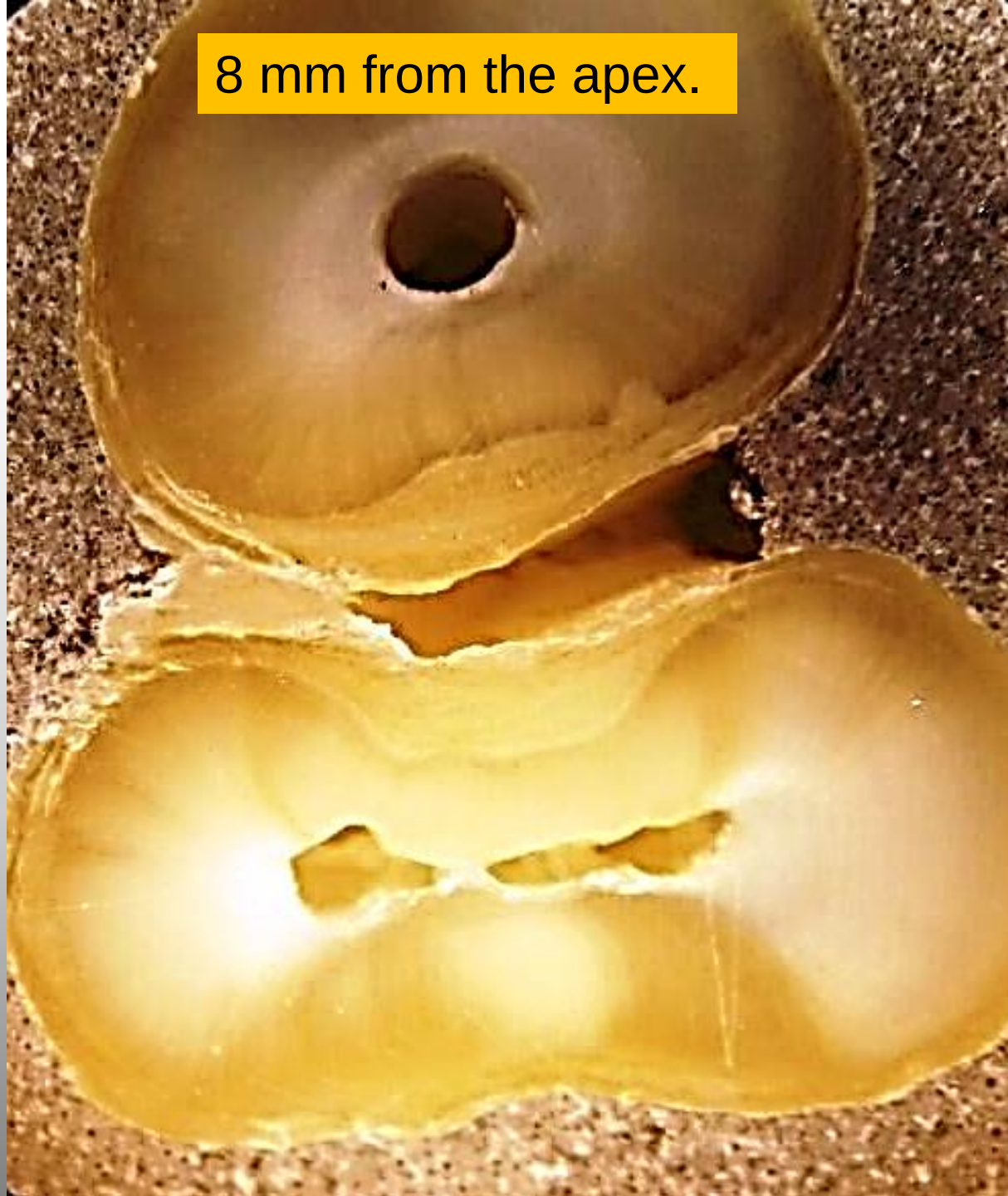
6 mm.

8mm

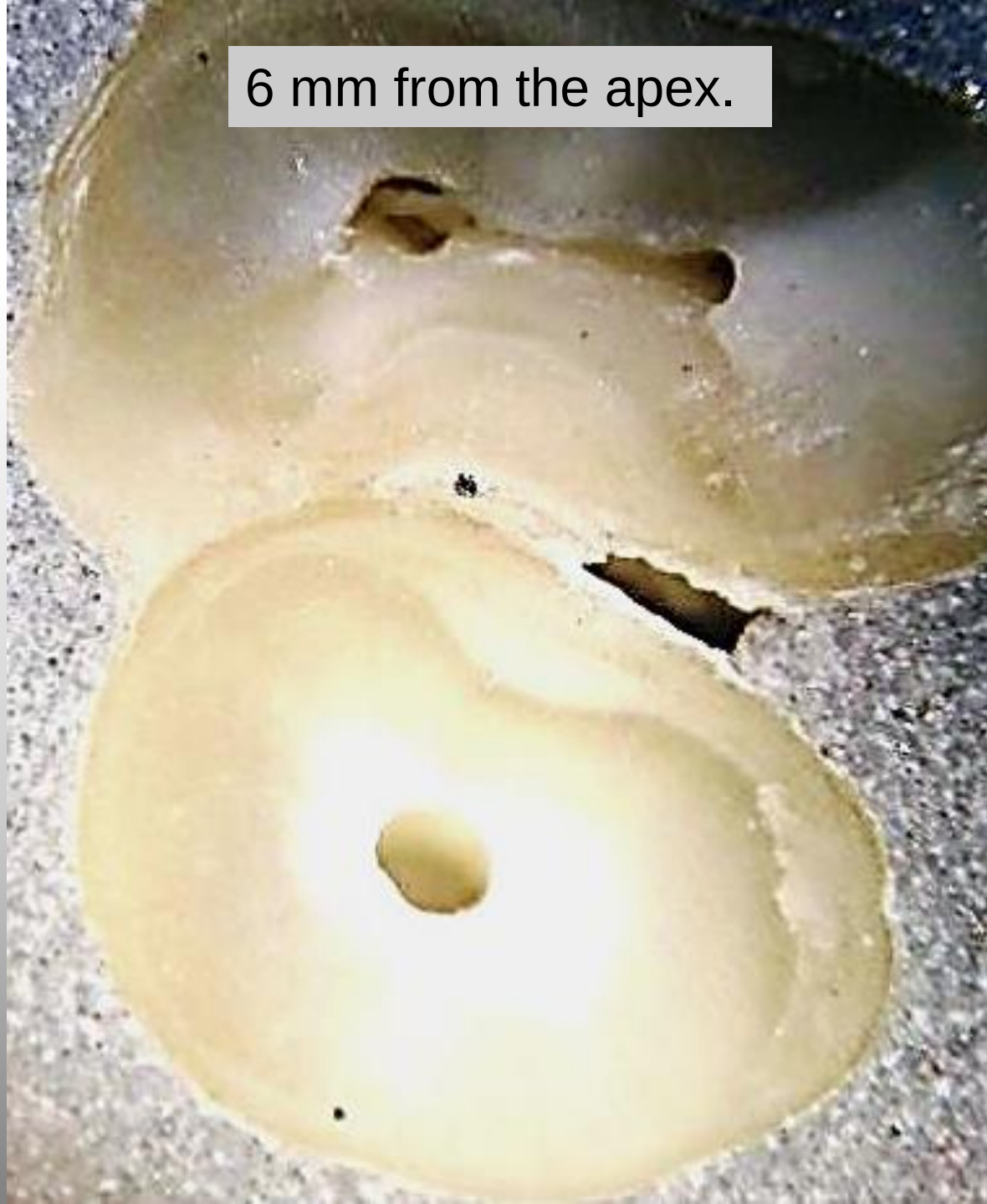
Distances from the apex

Stav-Serial no. 58

Gentlefile®
by MedicNRG



Gentlefile®
by MedicNRG



Gentlefile®
by MedicNRG

Demonstrate the upper part of the slices , thickness of 1.6 mm each. Prepared by Gentlefile

2 mm.

2. mm

8 mm.

8mm

Distances from the apex

Stav.-Serial no. 47

Gentlefile®
by MedicNRG

8 mm from the apex.

Gentlefile®
by MedicNRG

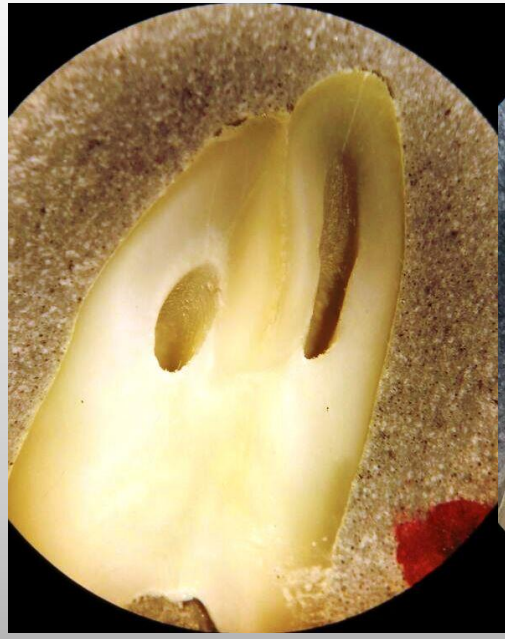
Gentlefile®
by MedicNRG

Demonstrate the upper part of the slices , thickness of 1.6 mm each. Prepared by Gentlefile

The upper cross section –different view

2 mm.

4. mm



8 mm.

8mm

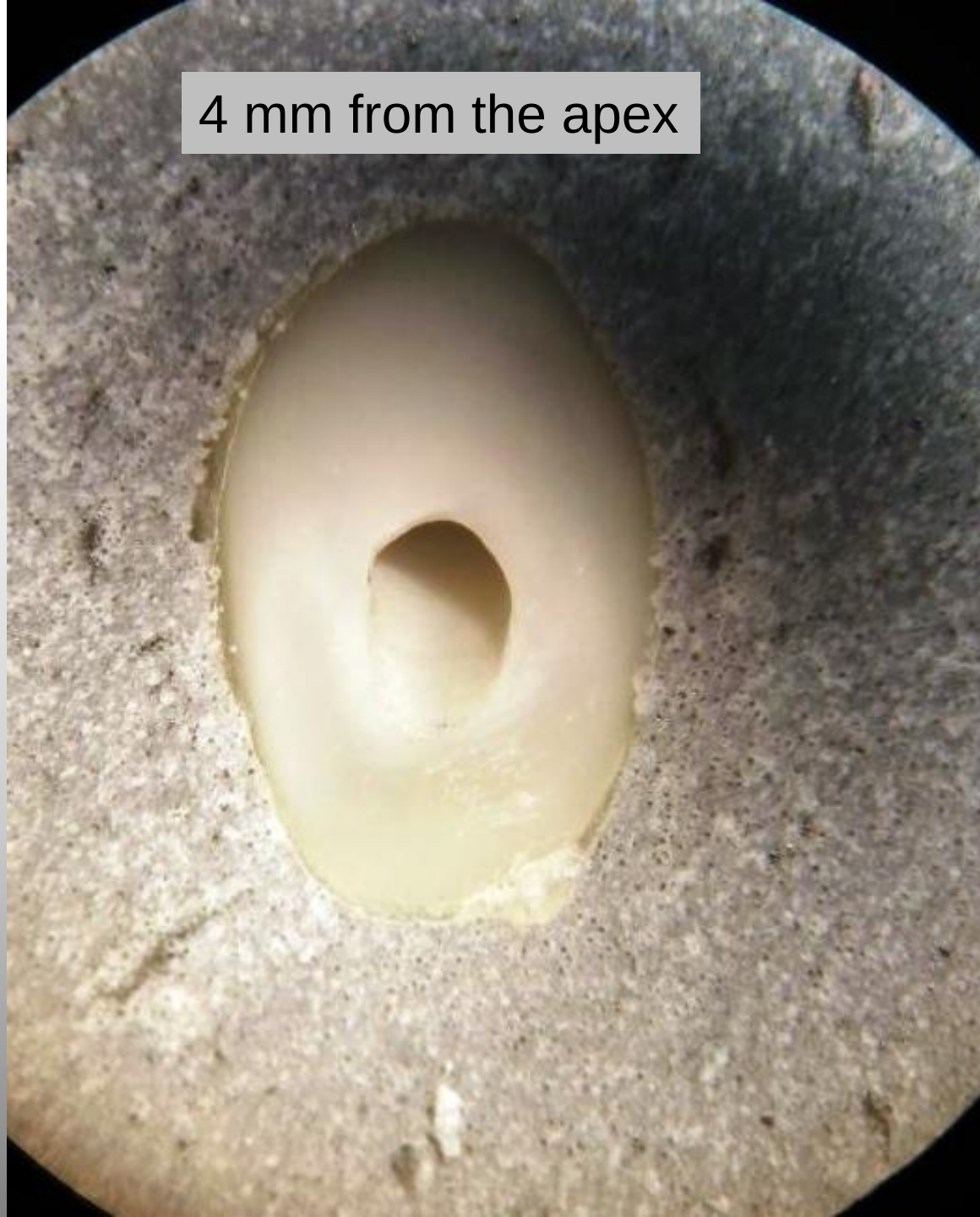
Distances from the apex

Stav.-Serial no. 60

Gentlefile®

by MedicNRG

Gentlefile®
by MedicNRG



Gentlefile®
by MedicNRG

Gentlefile®
by MedicNRG

Gentlefile capabilities to follow the shape of oval cross sections.

filled with master cone + Guetta-flow

The teeth cover by epoxy
After that cutting to
5 slices

Gentlefile®
by MedicNRG

Sealing cross section

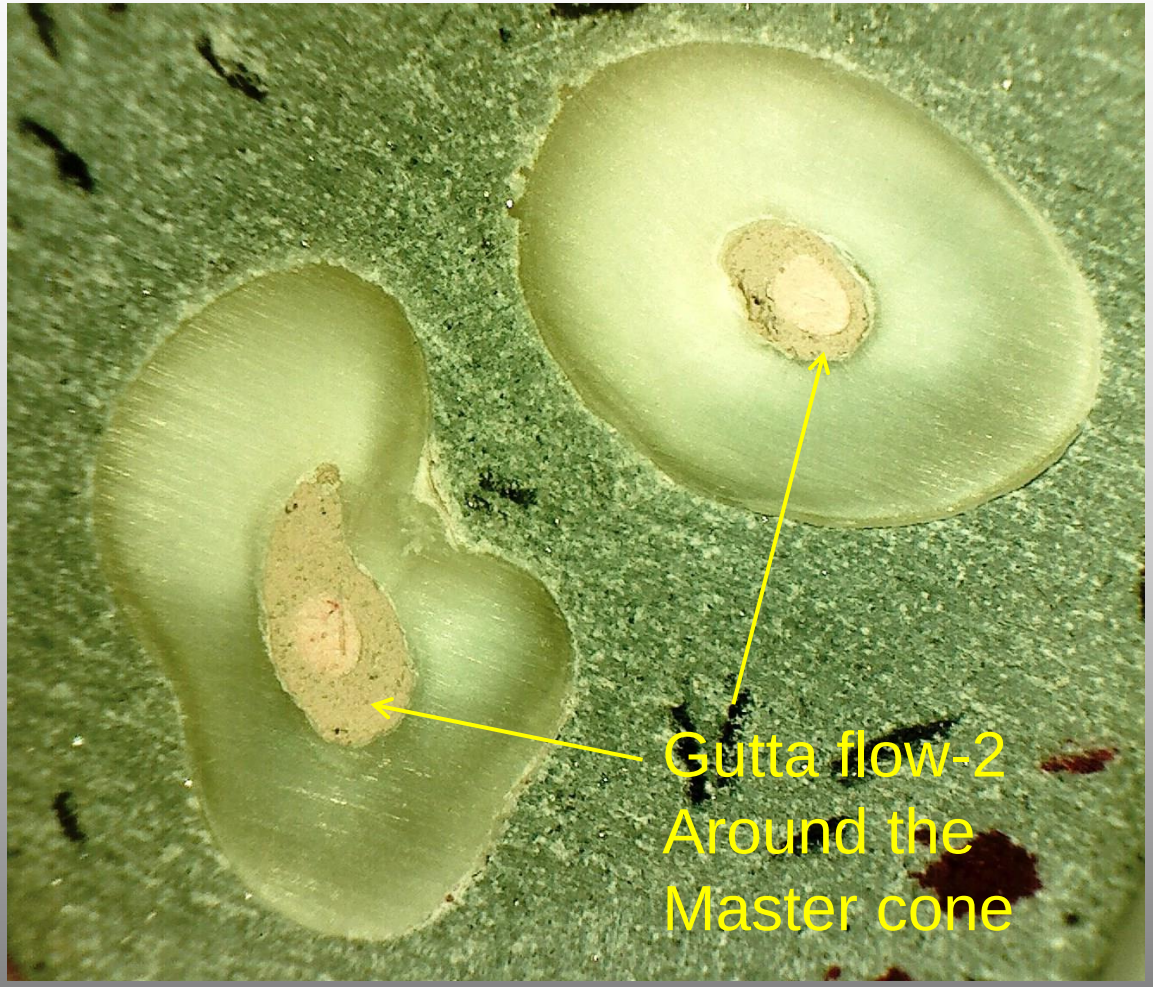
- The temporary short presentation showing the Gentlefile capabilities to cleaning and following the shape of oval cross sections while preparation the canal .

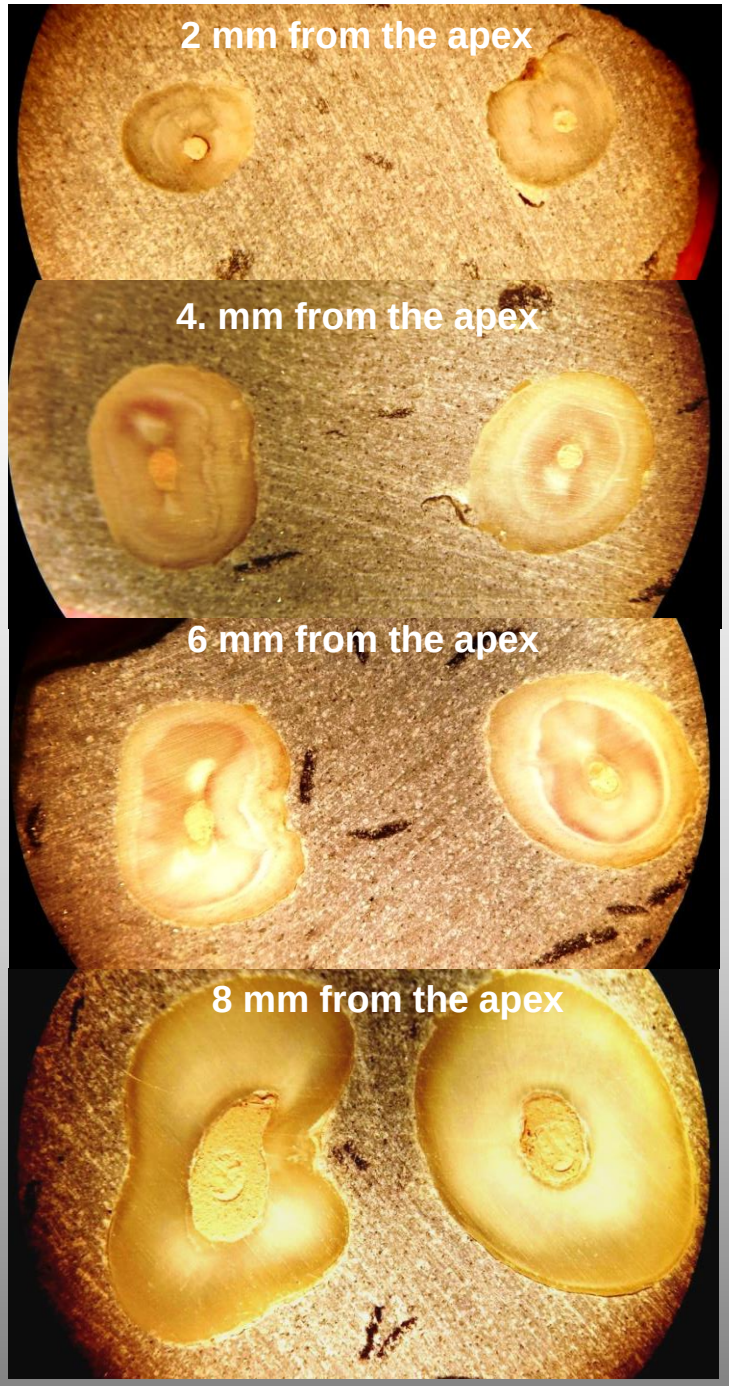
- Initial sealing was placed using a master-con and then complete by using the new version of the Gutta-flow-2.

- pay attention to the space between the master-con and filler, it is about 70%. Proof the quality of the cleaning by the Gentlefile .

Gentlefile®
by MedicNRG

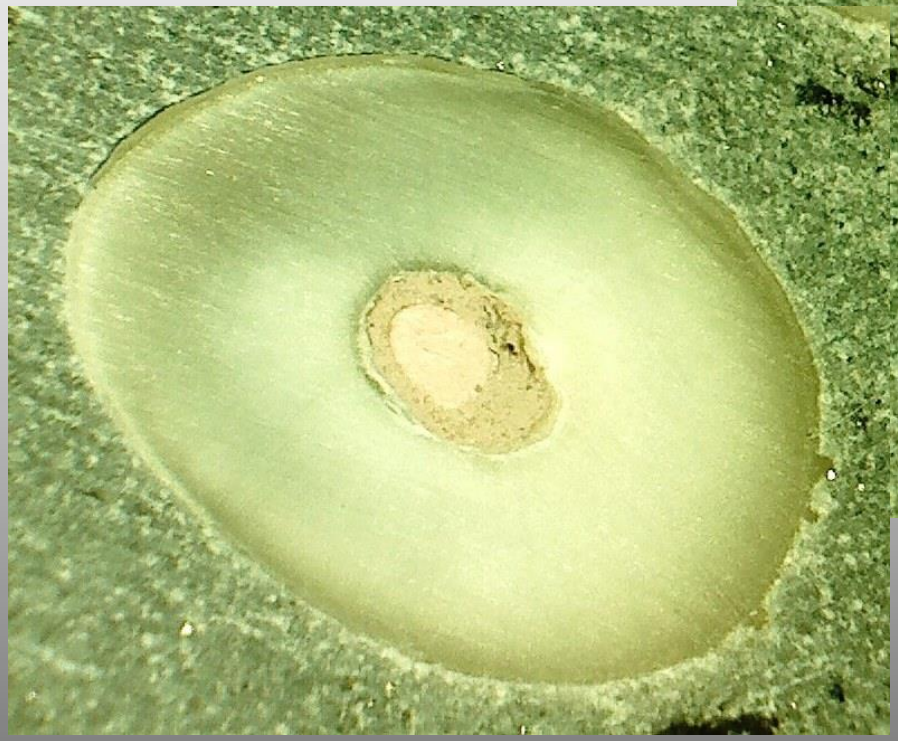
The fourth slice , 9.5 mm from the apex .enlarge by x 60.





Gentlefile®

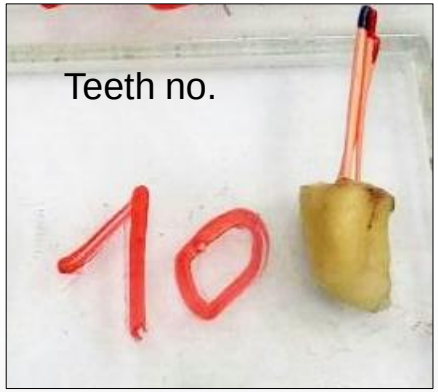
by MedicNRG

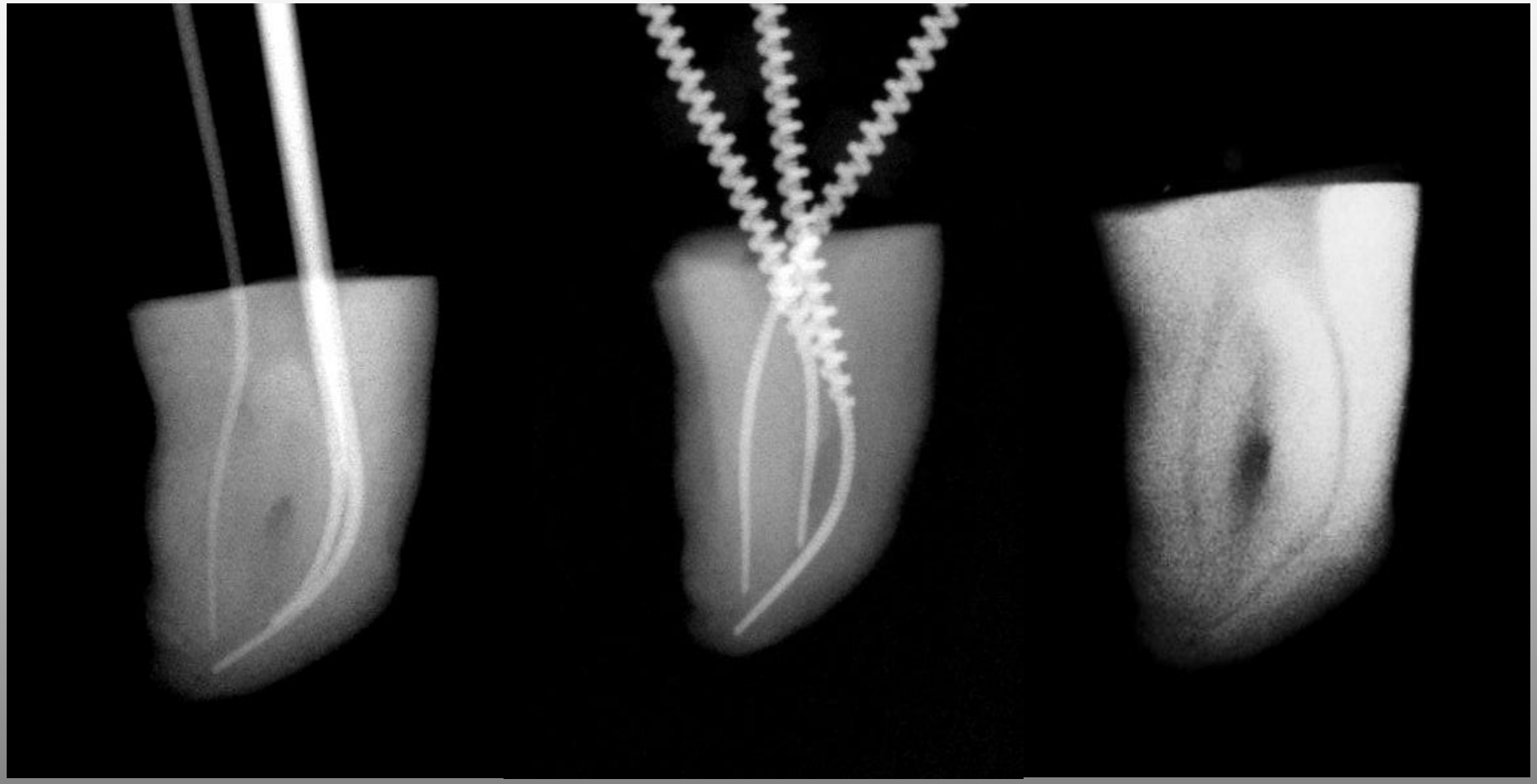


The fourth slice split for two pic.

Gentlefile®

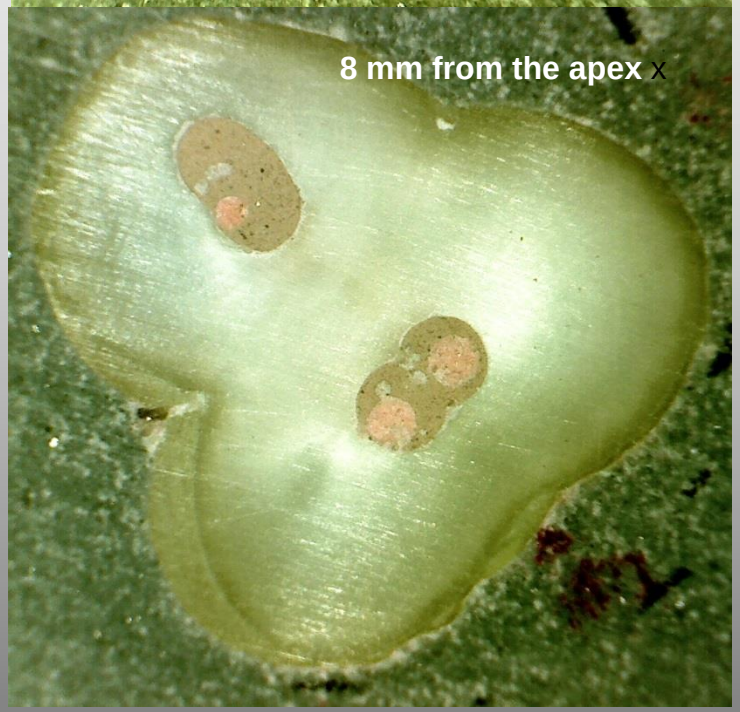
by MedicNRG





Gentlefile®

by MedicNRG



Gentlefile®
by MedicNRG

Sample cross-sections

from 2 extracted teeth

that were prepared

with rotary NiTi files

Cross section by rotary NiTi

The cross section
2 mm from the apex .

Note:

all the debris (and bacteria) around the master cone

Cross section by rotary NiTi

Gentlefile®
by MedicNRG

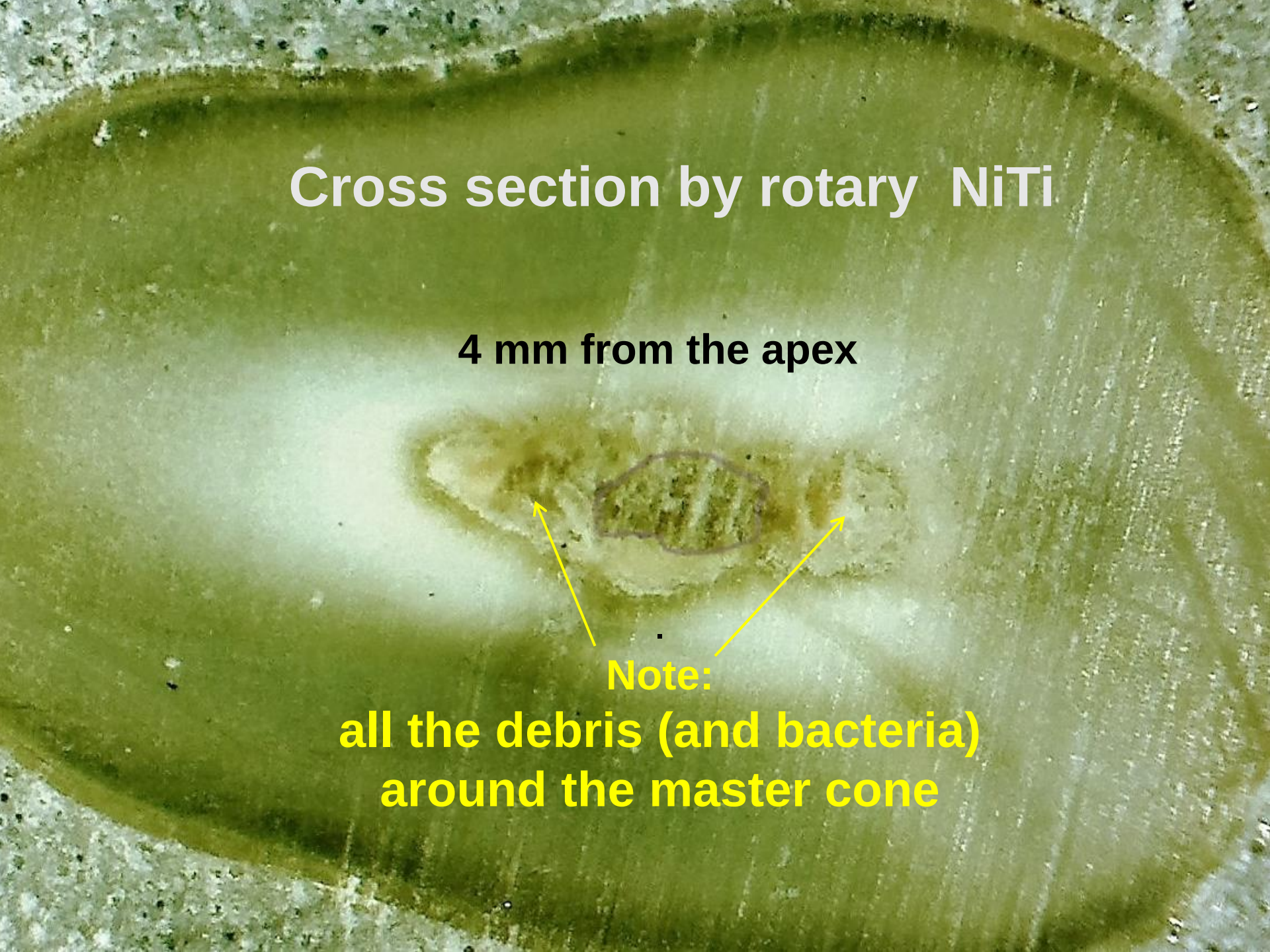
Cross section by rotary NiTi

Note:
all the debris (and bacteria) around the master cone

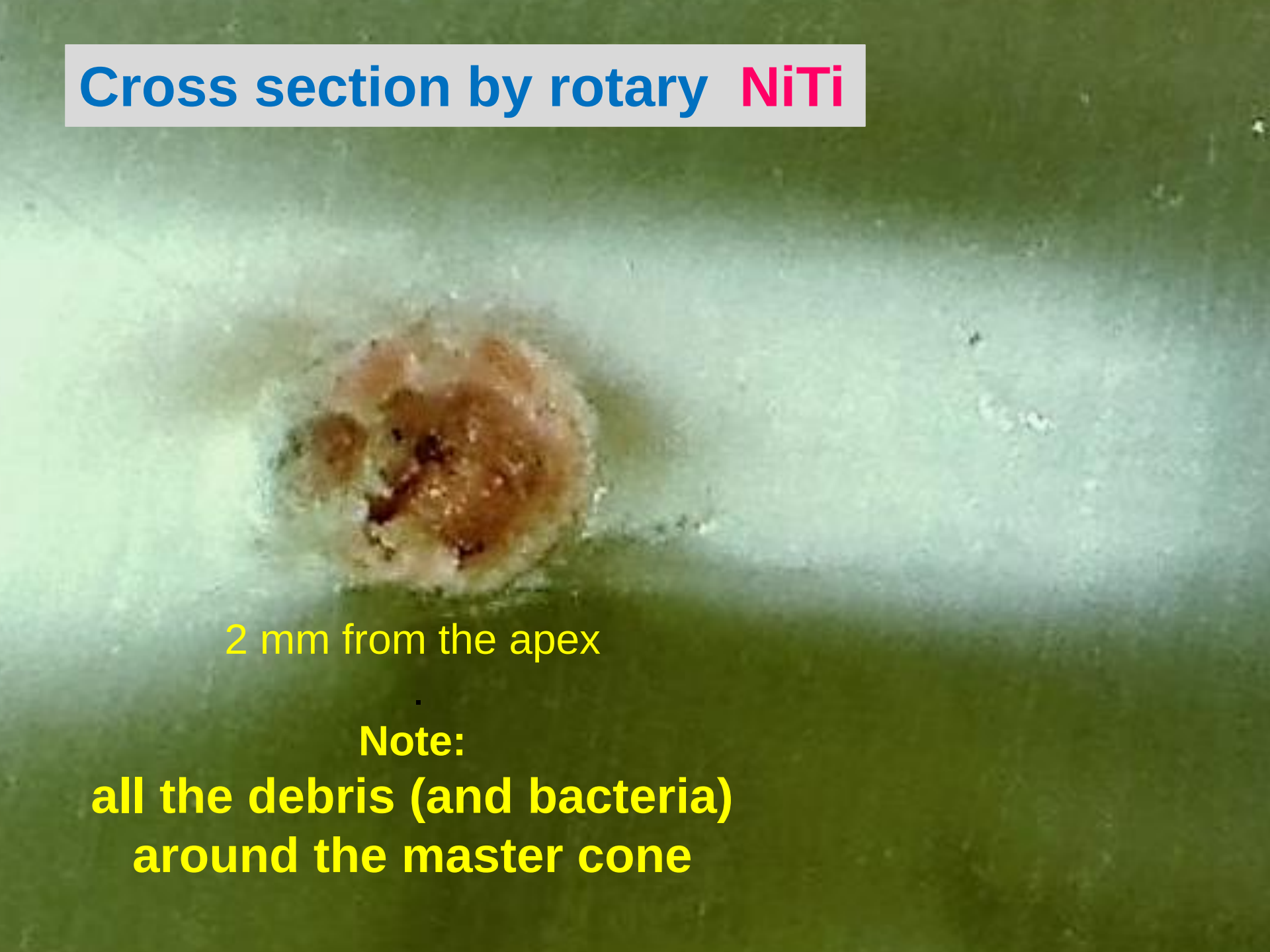
Cross section by rotary NiTi

4 mm
From
The apex

Note:
all the debris
(and bacteria)
around the
master cone


Cross section by rotary NiTi
4 mm from the apex
Note:
all the debris (and bacteria)
around the master cone

Cross section by rotary NiTi



2 mm from the apex

Note:

all the debris (and bacteria) around the master cone