Lijn Endodontologie 1

1

Doel wortelkanaalpreparatie

1. Verwijdering van vitaal en necrotisch weefsel uit de hoofdkanalen.
2. Creeren van voldoende ruimte voor irrigatie en medicatie.
3. Behoud van de integriteit en locatie van de apicale kanaalanatomie.
4. Voorkomen van iatrogene schade aan het kanaal systeem en de wortelstructuur.
5. Vergemakkelijken van het vullen van het kanaal. (ruimte gecreerd voor de obturatie phase)
6. Voorkomen van verdere irritatie en/of infectie van de periradiculaire weefsels.
7. Behoud van gezond worteldentine om de langdurige functie van de tand mogelijk te maken.

2

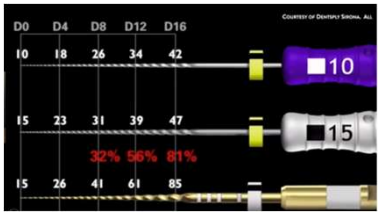
Handvijlen

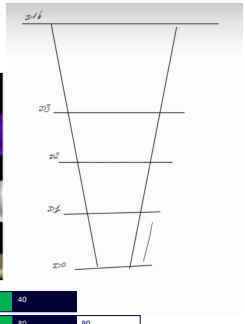
ISO-coderingen!

3

Roterende instrumenten

3





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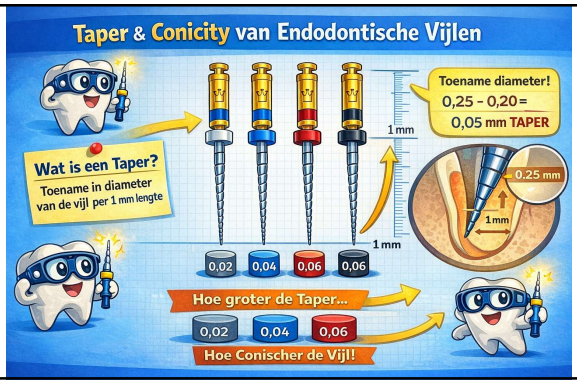

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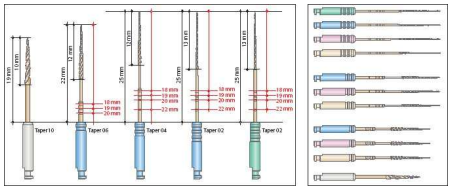

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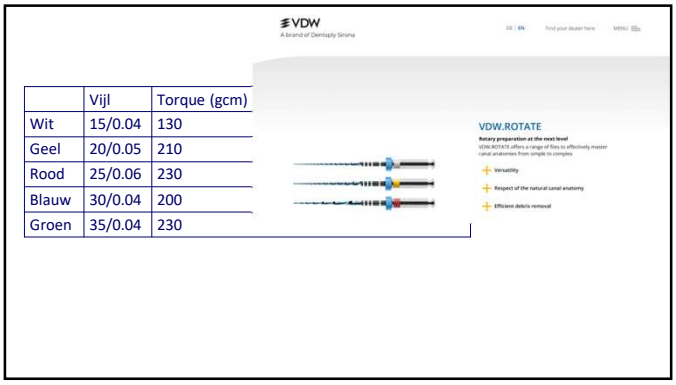
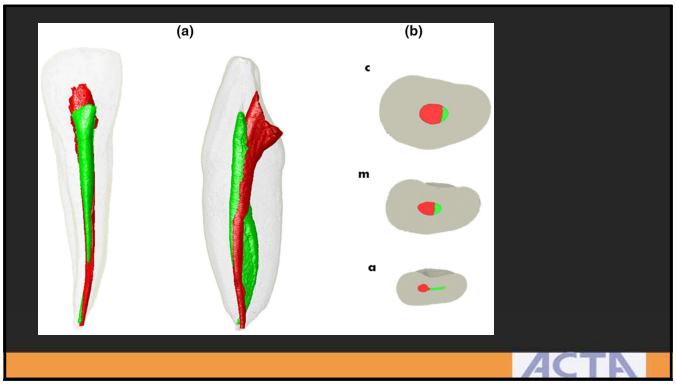


	Vijl	Torque (gcm)
Wit	15/0.04	130
Geel	20/0.05	210
Rood	25/0.06	230
Blauw	30/0.04	200
Groen	35/0.04	230

8

9



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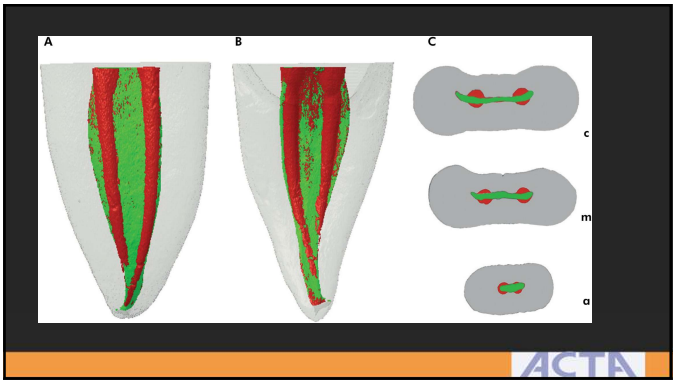

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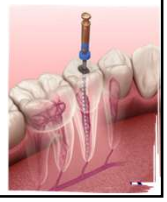
Technische aspecten

Coronale preparatie

Glide path

Lengte bepaling

Instrumentatie



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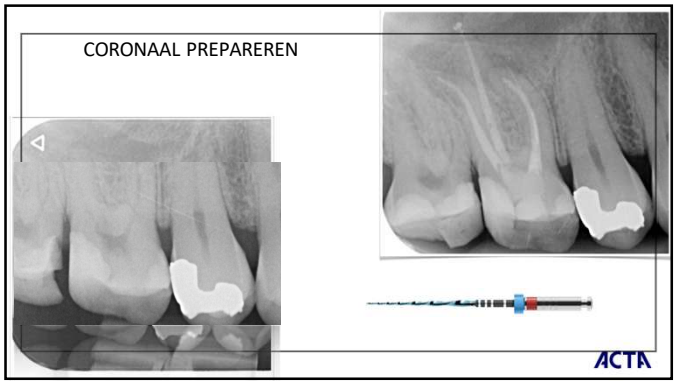

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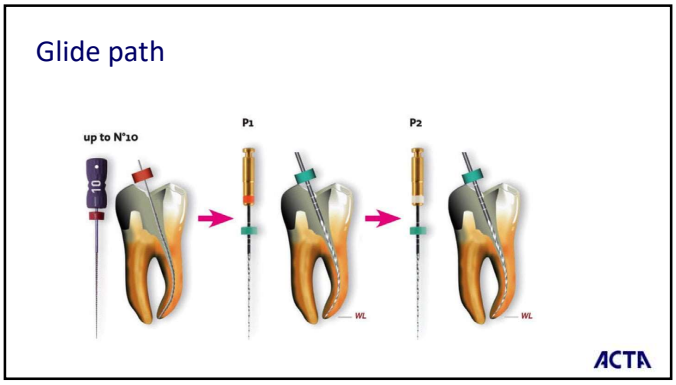

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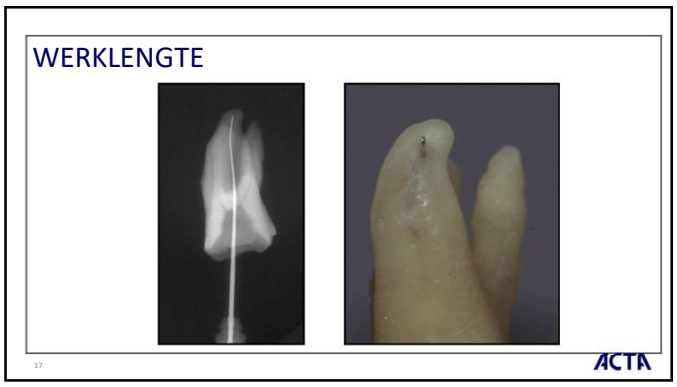

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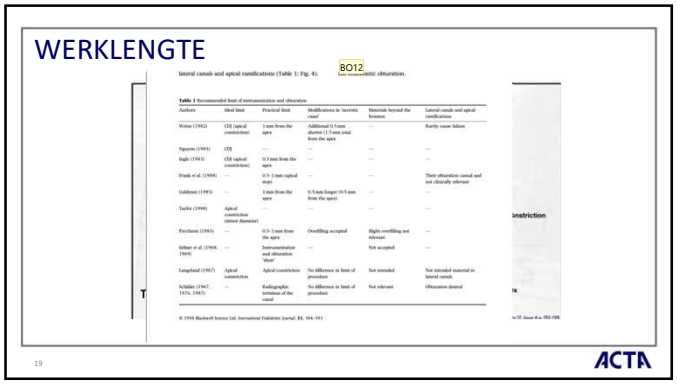

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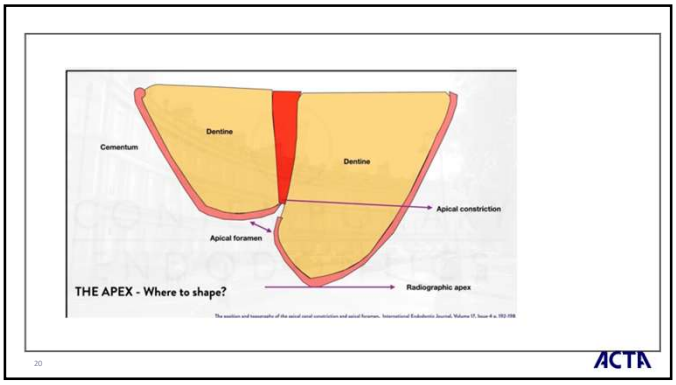

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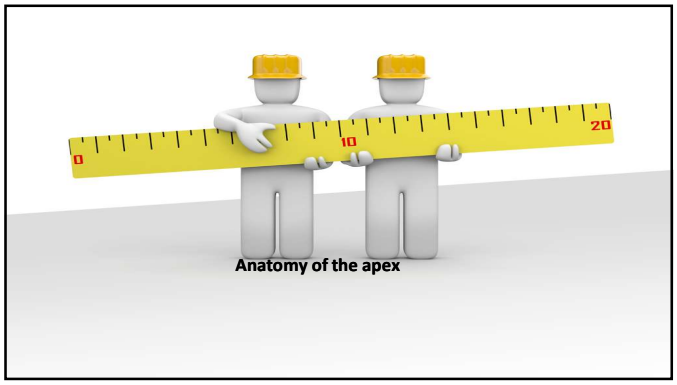

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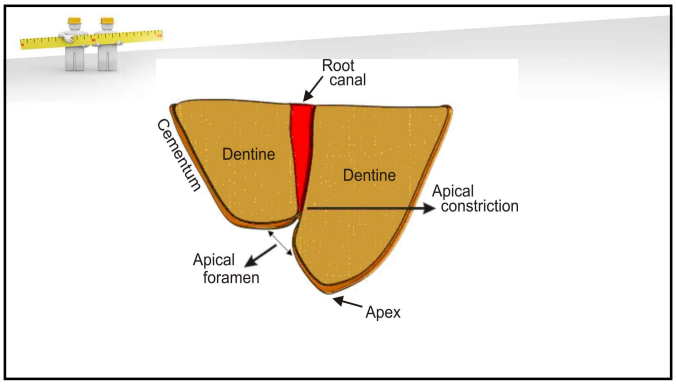

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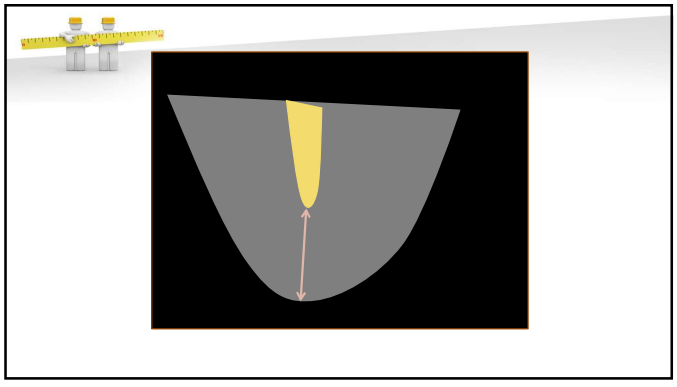

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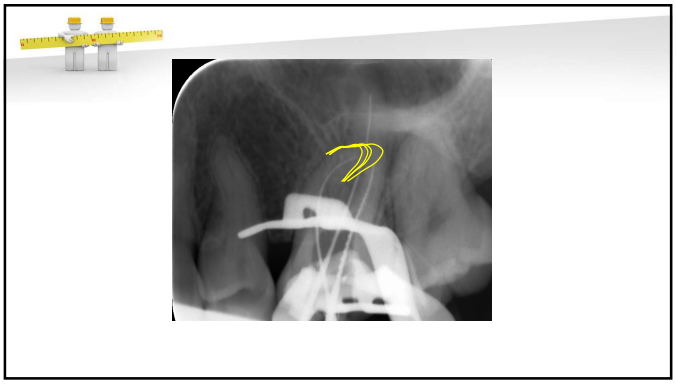

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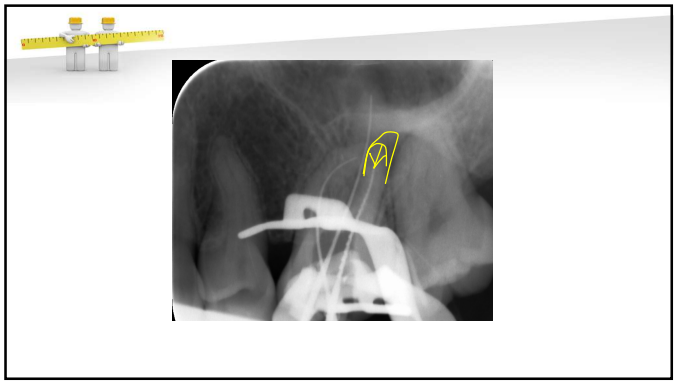
Dia 19

BO12 Geadviseerd om te stoppen op;
CDJ, kan niet want het is een histological punt (Nekoofar 2006)
AC, niet betrouwbaar want minder dan helft valt op het dezelfde punt (Dummer 1984)
Waar dan? In een echte pt. Hebben wij de EAL
Aanbevolen stop punt is beschreven als tussen AC en MF
Beliz Ozel, 11/06/2025



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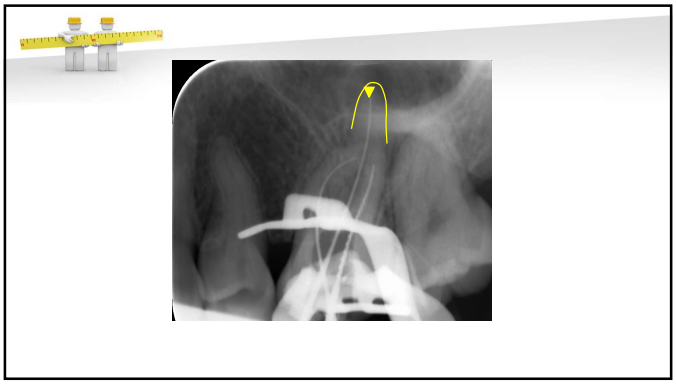

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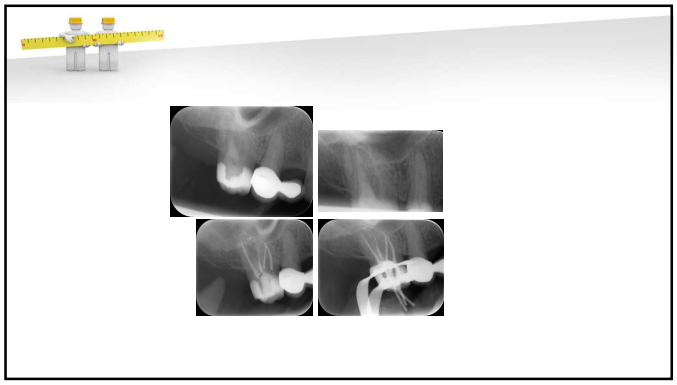

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VDW GOLD

	Voordelen	Nadelen
	Een apparat	Reparaties
	Goedkoper	Tijdens het prepareren

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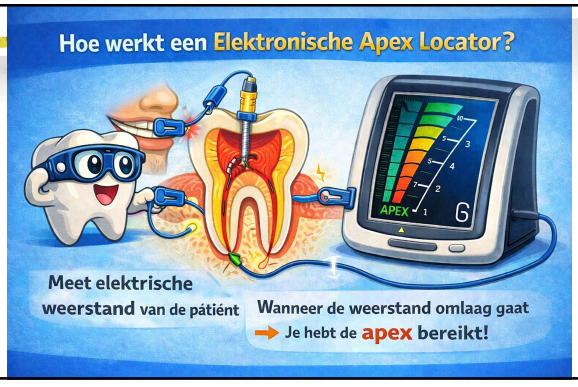

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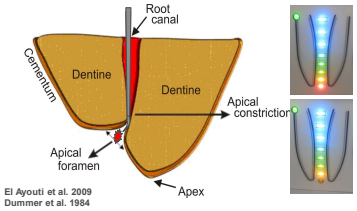
What shows the electronic apex locator?



El Ayouti et al. 2009
Dummer et al. 1984

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How do we know if electronic measurements are reliable?

1. Displayed length is stabile and changes only upon movement of the file

2. When the advanacement of the file in the canal is consistently related to the changes on the electronic scale
3. When the display shows that we reached the apex (or beyond) is the measurement most accurate

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Is a weak signal related to " patency" ?

34

In welke situaties kan de electronische apex locator onbetrouwbaar zijn ?

- Behandeling door de kroon heen of element met een metale restauratie
- Geoblitereerde kanalen
- Veel bloed of hypochlorite of weefsel in het kanaal
- Complicaties zoals perforaties ,resorpties, Open apex

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Wortelkanaalpreparatie

- Het Doel

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ACTA

Instrumentatie van het kanaal op werklengte

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The story of the oval canal…

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Look at me!

- Can't you see I am oval ???

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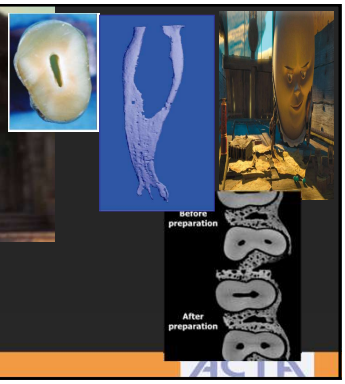

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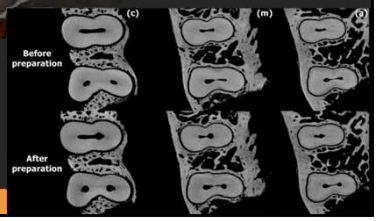

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- Prevalence and extent of long oval canals in the apical third
- Quality of cold and warm gutta-percha fillings in oval canals in mandibular premolars
- A primary observation on the preparation and obturation of oval canals

Wu et al OOOE, IEJ 2000-2001

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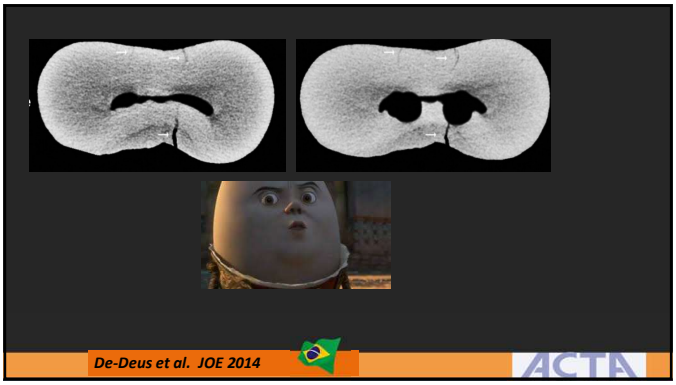
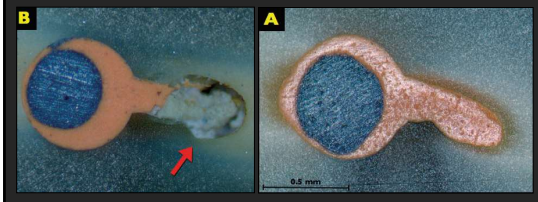


De-Deus et al. JOE 2014

44



Canals containing debris cannot be properly filled

De-Deus et al. JOE 2012

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Gebroken instrument- verwijzen ? Verwijderen?

	GUNSTIG	MINDER GUNSTIG
Diagnose	Vitaal : irreversibele pulpitis	Avitaal : parodontitis apicalis
Stap van de behandeling	Aan het eind	In het begin
Locatie	Voor de kromming	Na de kromming
Type van de vijl		

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