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ROOT CANAL SHAPING

MicroMega

One Curve

The Endo DNA



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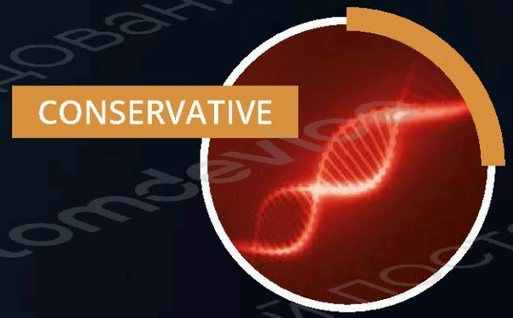
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THE ENDO DNA

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SMART

ONE SINGLE INSTRUMENT FOR ROOT CANAL SHAPING

> Simplified instrument management

> No risk of cross-contamination: single use

REDUCED SHAPING TIME

> More time for irrigation

59%+ faster Compared to an **instrumental sequence** [1]

33%+ faster Compared to a heat-treated **reciprocating** instrument [2]



Source data

[1] *Shaping ability of different single-file systems in severely curved root canals of extracted teeth* - S. Burklein et al
[2] *Data: Micro-Mega R&D*

EFFICIENT

C.Wire : Heat-treatment of Nickel-Titanium, a One Curve exclusivity.

C.Wire is a technique designed, developed and applied by Micro-Mega.

- Controlled memory
- Pre-bendable
- Conservation of the curvature

Product Micro-Mega last generation





100%+ more flexible [3]

2.4X more resistant [4] to fracture (cyclic fatigue)

Pre-bendable

> Elimination of constraints

> Easier access to the root canal

Source data

[3][4] *Data: Micro-Mega R&D*

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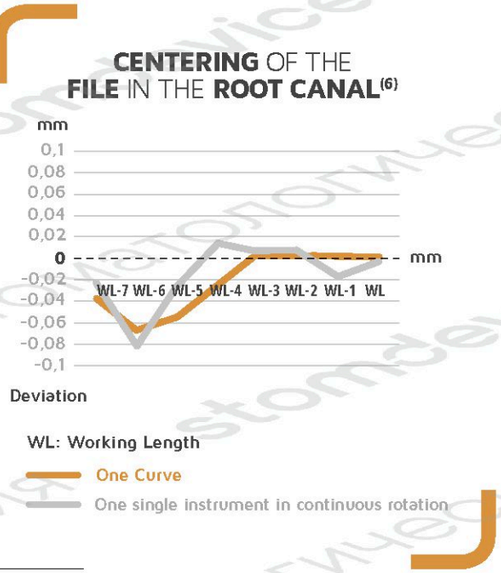
CONSERVATIVE

The instrument was developed to respond to the need of efficient shaping while respecting the initial root canal anatomy.

> The non-existent ovalization secures the apical zone [5]

> The variable cross-section combined with continuous rotation ensures excellent cutting efficiency and a perfectly centered trajectory [7]





Source data

[5][6] *Data Micro-Mega R&D*
[7] *Shaping ability of 4 different single-file systems in simulated S-shaped canals. A.M Saleh et al.*

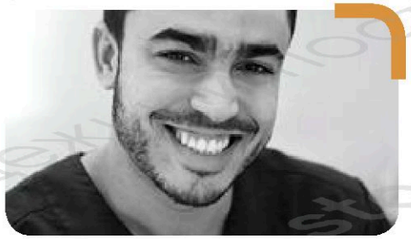
HOW TO USE IT?



- **Continuous rotation**
- **Speed 300 rpm, torque 2.5 N.cm**
- Direct downward movement until the working length
- Reduced mechanical treatment time
- Treatment of simple and complex root canal anatomies
- L 21, 25, 31mm

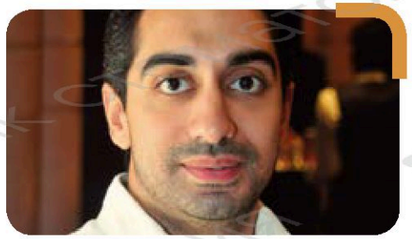
The instrument is hyper-flexible and extremely resistant.
You have full control over the instrument.

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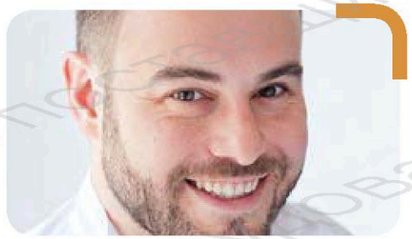
« A good instrument needs to adapt itself to the most difficult cases. One Curve meets these requirements through its flexibility, its cutting efficiency and its fracture resistance. »

Dr. Oussama Bouammar,
France



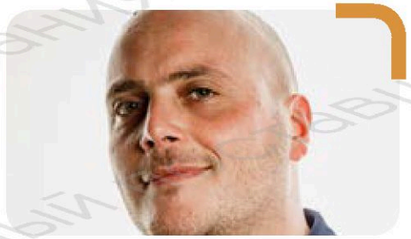
« Perfect combination between high flexibility and good cutting efficiency. Great safety and respect for curved canals. »

Dr. Mostafa Anwar,
Egypt



« I love this file! It is almost addictive!
A real game changer »

Dr. Konstantinos Kalogeropoulos,
Greece



« One Curve is the perfect compromise between flexibility and cutting efficiency in a single instrument concept.
Its ease of use and versatility give the clinician a real control and does not require a specific motor. »

Dr. Simone Staffoli,
Italy

CLINICAL CASE

Pr. Khaled Balto, Saudi Arabia



Preoperative x-rays:

Tooth n°36
Diagnosis:
irreversible pulpitis





Postoperative x-rays:

Treatment approach:

> Initial canal exploration with manual files n°008 and n°010
> Glide path with One G
> Preflaring with One Flare
> Shaping with One Curve in three waves up to the apex

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CLINICAL CASE

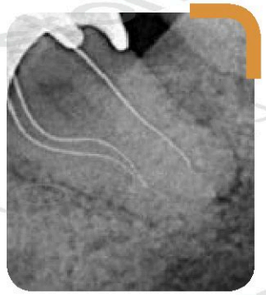
Dr. Tara Mc Mahon, Belgium



Preoperative x-rays

Tooth n°37

Diagnosis:
apical periodontitis





Postoperative x-rays

Endodontic treatment:

- Access cavity to locate the 3 canals and canal initial exploration with MMC n°010
- Preflaring with One Flare. Glidepath with manual MMC n°015, 010 & 008 files using the crown down technic
- Working length (WL) determination using the MMC n°010 file. When the n°015 file freely reaches the apex, mechanical shaping
- For mesial canals, One Curve is used up to the first curvature then rinse with NaOCl, patency checking with MMC n°010. One Curve is then used up to the apex
- For the distal canal, the objective is to directly reach the apex with One Curve
- Irrigation with NaOCl 5.25% during the whole treatment. Irrigation with EDTA 17% and final rinse with NaOCl before obturation (thermocompaction)

Data Micro-Mega

[2] « Rapport de validation One Curve Micro-Mega Tara Mc Mahon 2017-08-25 »

[3] « Rapport valeurs torsion-flexion après taillage 20170725 » + « Note valeurs torsion-flexion One Curve 20170725 »

[4] « Rapport fatigue cyclique One Curve 2017-09-12 »

[5] « Rapport One Curve traitement thermique Micro-Mega Fabienne Pérez 2017-07-07 »

[6] « Rapport One Curve traitement thermique Micro-Mega Fabienne Pérez 2017-07-07 »

One Curve
Presentation

CE 0459

Year of CE-marking: 2017 - Medical device class IIA according to directive 93/42/EEC

Notified body: LNE/G-MED

Medical device for dental care, meant for professional dental use only.

See product labelling and, where applicable, instructions for use.

STERILE EO

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