

SHAPE.
SEAL.
SUCCEED.



GenENDO and BioRoot™ Flow



GenENDO

EASY PROCEDURE

Simplified protocol, without compromise

- ▶ Revo-S+: a short sequence of rotary files
- ▶ Few steps
- ▶ Fast procedure

Reliable files for safe outcomes¹

Exclusive C.Wire heat treatment for

- ▶ Increased flexibility
 - Reduces surface irregularities and decreases crack initiation
 - Increases flexibility and fracture resistance
- ▶ Resistance to cyclic fatigue

Limited risks of

- ▶ Breakage^{*}
- ▶ Shaping aberration^{**}
- ▶ Screwing effect^{**}

SUCCESSFUL SHAPING

Seamless cutting

A file sequence engineered for performance

- ▶ Alternating cross-sections combine symmetrical and asymmetrical file geometries
- ▶ Optimised cutting efficiency
- ▶ Facilitates debris elimination



Symmetrical
triple-helix design



Asymmetrical
triple-helix design

Facilitated progression in curved canals

Triple-helix asymmetry for snake-like movement inside the canal

- ▶ Reduces pressure on the canal walls
- ▶ Minimises the risk of damage
- ▶ Facilitates irrigation flow
- ▶ Respects canal anatomy



^{*} GenENDO Revo-S+, GenENDO Glider and GenENDO Remover
^{**}GenENDO Revo-S+ and GenENDO Glider

GenENDO K-Files^(A)/GenENDO Remover^(B)/GenENDO Glider^(B)/GenENDO Revo-S+^(B) are medical devices intended for use by dental professionals only, during non-surgical endodontic treatment. Manufactured by Micro-Mega, France. CE marked (CE 0459) Class I in accordance with Regulation (EU) 2017/745^(A) or Class IIa in accordance with MDD^(B).

BioRoot™ Flow

EASY PROCEDURE

SUCCESSFUL OUTCOME



Easy and fast

- ▶ Read-to-use syringe: no preparation time
- ▶ Consistent viscosity with every application

Suits your technique

- ▶ Keep your preferred obturation technique
- ▶ Or shift to easy single cone technique for efficient results²

Highly radiopaque³

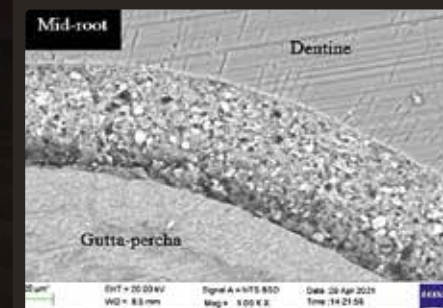
- ▶ 5 mm Al radiopacity
- ▶ Easily visible on X-Rays

Effortless removal

- ▶ Retreatable in less than 10 minutes (with NiTi files)



Hermetic 3D seal



BioRoot™ Flow SEM interfaces

Source: C. Wang, N. Mosahebi, J. Camilleri (2021).
Testing of a new premixed BioRoot™ RCS (Septodont)

36% tricalcium silicate (C3S)

Highest C3S concentration on the market⁴ allowing

- ▶ A great bioactivity
- ▶ A better 3D seal
- ▶ A shorter setting time

No shrinkage⁵

- ▶ Resin-free formulation
- ▶ Hermetic seal of the root canal

91%
clinical
success
after 2 years

Successful outcome⁶

- ▶ Multicentric randomised controlled trial
- ▶ Assess the efficacy and safety of BioRoot™ Flow over a 2-year period
- ▶ 160 patients

This is a medical device intended for permanent root canal sealing. Manufactured by Septodont, France.
CE marked (CE 2797) Class III implantable.

GenENDO and BioRoot™ Flow

MAKE ENDO EASY AND SUCCESSFUL

Confidence in your endodontic procedures

The properties of BioRoot™ Flow complement our intuitive file system for a smooth root canal procedure.

Make your endodontic treatments easy and successful!

Root canal treatment of a lower molar using GenENDO Revo-S+ sequence

By Prof. Joseph Sabbagh



01. Preoperative radiography of tooth #36, showing secondary caries under deep mesial composite restoration.



02. Canal exploration using a K-File 10.



03. Coronal Flaring using Revo-S+ SC1 25/.06.



04. Canal preparation using Revo-S+ SC2 25/.04.



05. Final shaping using Revo-S+ SU 25/.06.



06. Canal rinsing with EDTA and NaOCl.



07. Access cavity showing the four cleaned and prepared canals.



08. Drying the canals with paper points (1 to 2 per canal to avoid overdrying).



09. Injection of BioRoot Flow in the canals.



10. Insertion of one gutta percha master cone in each canal.

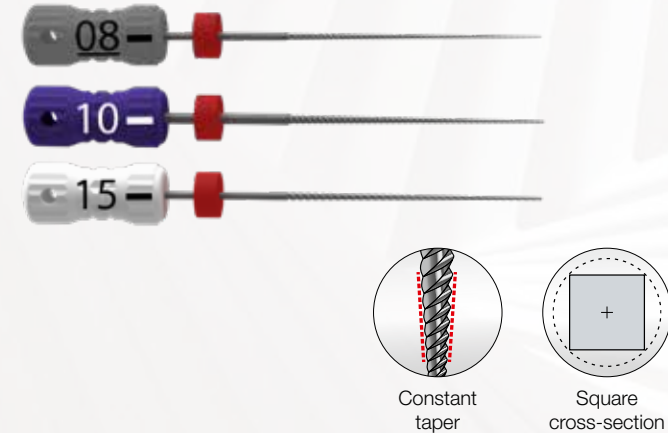
Canals entrance after obturation and compaction. Gutta percha is cut using a heating device, then compacted with an endo plugger.



11. Periapical radiography showing completed root canal treatment.

GenENDO K-Files

ISO color coded
 Radio-opaque silicon stop ring
 008/.02, 010/.02, 015/.02
 Available in 3 lengths (21, 25, 31 mm)
 Supplied Pre-Sterilised



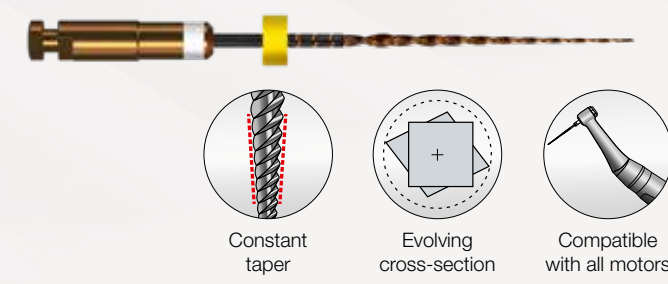
GenENDO Revo-S+

3-file sequence
 2 different cross-sections
 Supplied Pre-Sterilised



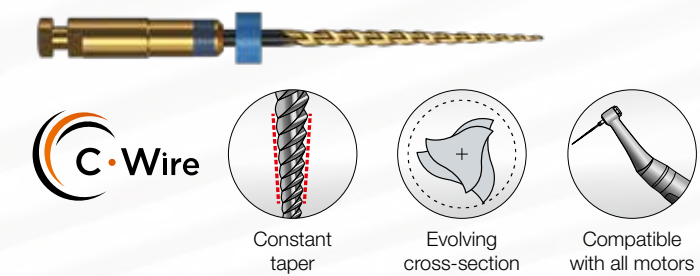
GenENDO Glider

Heat treated for flexibility and resistance to cyclic fatigue
 0,8 mm flute diameter
 16/.03
 Available in 3 lengths (21, 25, 31 mm)
 Supplied Pre-Sterilised



GenENDO Remover

Fast rotation to plasticize the gutta percha
 Pre-bendable for better access
 30/.07
 Available in 2 lengths (19, 23 mm)
 Supplied Pre-Sterilised



GenENDO Revo+ Gutta Percha

Perfect fit for the Revo-S+ system
 Uniform taper
 Latex free
 Available in 2 sizes (25/.04 and 25/.06)



BioRoot™ Flow

2g syringe
 20 disposable tips



BioRoot™ Flow
91%
 clinical success
 after 2 years⁶

GenENDO Motor

Presets for GenENDO files
 Compatible with all files
 Light weight
 Wireless
 Brushless
 Silent operation

GenENDO files settings Continuous rotation		Max torque (N.cm)	Speed (rpm)	Diameter/taper
GenENDO Revo-S+	SC1	1.8-2.5	250-400	25/.06
	SC2	1.8-2.5	250-400	25/.04
	SU	1.8-2.5	250-400	25/.06
GenENDO Glider		1.2	250-400	16/.03
GenENDO Remover		2.5	400-800	30/.07



The Septodont One Stop Shop!



Shaping

Product name	Article number	Description	Type	Identification
GenENDO K-files	12598F	GenENDO K-Files N008 L21 (B6)	Sterile	08.02 L 21
GenENDO K-files	12599G	GenENDO K-Files N008 L25 (B6)	Sterile	08.02 L25
GenENDO K-files	12600H	GenENDO K-Files N008 L31 (B6)	Sterile	08.02 L31
GenENDO K-files	12601I	GenENDO K-Files N010 L21 (B6)	Sterile	10.02 L21
GenENDO K-files	12602J	GenENDO K-Files N010 L25 (B6)	Sterile	10.02 L25
GenENDO K-files	12603K	GenENDO K-Files N010 L31 (B6)	Sterile	10.02 L31
GenENDO K-files	12604L	GenENDO K-Files N015 L21 (B6)	Sterile	15.02 L21
GenENDO K-files	12605M	GenENDO K-Files N015 L25 (B6)	Sterile	15.02 L25
GenENDO K-files	12606N	GenENDO K-Files N015 L31 (B6)	Sterile	15.02 L31
GenENDO Revo-S+	12607O	GenENDO Revo-S+ SC1 L21 (B5)	Sterile	25.06 L21
GenENDO Revo-S+	12608P	GenENDO Revo-S+ SC2 L21 (B5)	Sterile	25.04 L21
GenENDO Revo-S+	12609Q	GenENDO Revo-S+ SC2 L25 (B5)	Sterile	25.04 L25
GenENDO Revo-S+	12610R	GenENDO Revo-S+ SC2 L31 (B5)	Sterile	25.04 L31
GenENDO Revo-S+	12611S	GenENDO Revo-S+ SU L21 (B5)	Sterile	25.06 L21
GenENDO Revo-S+	12612T	GenENDO Revo-S+ SU L25 (B5)	Sterile	25.06 L25
GenENDO Revo-S+	12613U	GenENDO Revo-S+ SU L31 (B5)	Sterile	25.06 L31
GenENDO Glider	12616X	GenENDO Glider N016 L21 3% (B5)	Sterile	16.03 L21
GenENDO Glider	12617Y	GenENDO Glider N016 L25 3% (B5)	Sterile	16.03 L25
GenENDO Glider	12618Z	GenENDO Glider N016 L31 3% (B5)	Sterile	16.03 L31
GenENDO Remover	12614V	GenENDO Remover N030 L19 7% (B5)	Sterile	30.07 L19
GenENDO Remover	12615W	GenENDO Remover N030 L23 7% (B5)	Sterile	30.07 L23
GenENDO Motor	12644Z	GenENDO Motor	Non sterile	NA



Lubricating

Product name	Article number	Description
Canal+ Cream	10561J	Canal+ Cream EDTA

Lubricates endodontic instruments.
Removes inorganic substances.



Canal+ Cream
EDTA Cream



Obturation

Product name	Article number	Description	Type	Identification
BioRoot™ Flow	10241B	BioRoot™ Flow 2g syringe	NA	NA
GenENDO Revo+ Gutta Percha SU Fine	12700A	GenENDO Revo-S+ SU Gutta Percha (Fine 25/.04)	Non sterile	25.04
GenENDO Revo+ Gutta Percha SU	12702C	GenENDO Revo-S+ SU Gutta Percha (25/.06)	Non sterile	25.06



Cleaning

Product name	Article number	Description
Parcan L	123210	Parcan L 3% NaOCl
Largal L	12550J	Largal L 17% EDTA
R4 Ultra	12549I	R4 Ultra 2% CHX

Discover our irrigation solutions



Parcan L
NaOCl 3%



Largal L
EDTA 17%



R4 Ultra
CH 2%



With Luer lock cap!

Sources:

- (1) Giulio GAVINI, Marcelo dos SANTOS, Celso Luis CALDEIRA, Manoel Eduardo de Lima, MACHADO, Laila Gonzales FREIRE, Elaine Faga IGLECIAS, Ove Andrea PETERS, George Taccio de Miranda, CANDEIRO. Critical Review Endodontic Therapy - Nickel-titanium instruments in endodontics: a concise review of the state of the art PHILLIP L Tomson, Stéphane R Simon - Contemporary cleaning and shaping of the root canal system - Prim Dent J. 2016;5(2): 46-53.
- (2) Internal R&D document page 4.
- (3) 5 mmAI exceeds the minimum requirement of 3 mmAI as established by ISO 6876:2021 for endodontic sealing materials.
- (4) 36% C3S: internal RD data - highest concentration on the market: compared to all endodontic sealers in a ready-to-use syringe.
- (5) Internal R&D document page 3.
- (6) Loose criteria evaluation (Clinicaltrials.gov)
Strict criteria evaluation at 24 months post-treatment, the overall success rate was 86.6% in the BioRoot Flow group and 87.7% in the BioRoot™ RCS group (non-inferiority demonstrated; $p = .0195$) (Simon S and Al. Clinical efficacy of root canal treatment at 2 years using a new ready-to- use injectable calcium silicate-based sealer: A multicentric randomised controlled trial. Int Endod J. 2025;00:1–1).

* BioRoot™ Flow: is a medical device intended for permanent root canal filling material in combination with gutta-percha points in case of inflamed or necrotic pulp or following a retreatment procedure. Manufactured by Septodont, France. CE marked (CE 2797) Class III implantable. GenENDO is part of the endodontic treatment to prepare the root canal. Both can be used together or separately in endodontic procedures.

Before use please read the instructions carefully, especially warnings, precautions, and contraindications.
These are regulated medical devices. For healthcare professionals only.

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