



**MAILLEFER**

TruAnatomy™

Natural dentin  
preservation

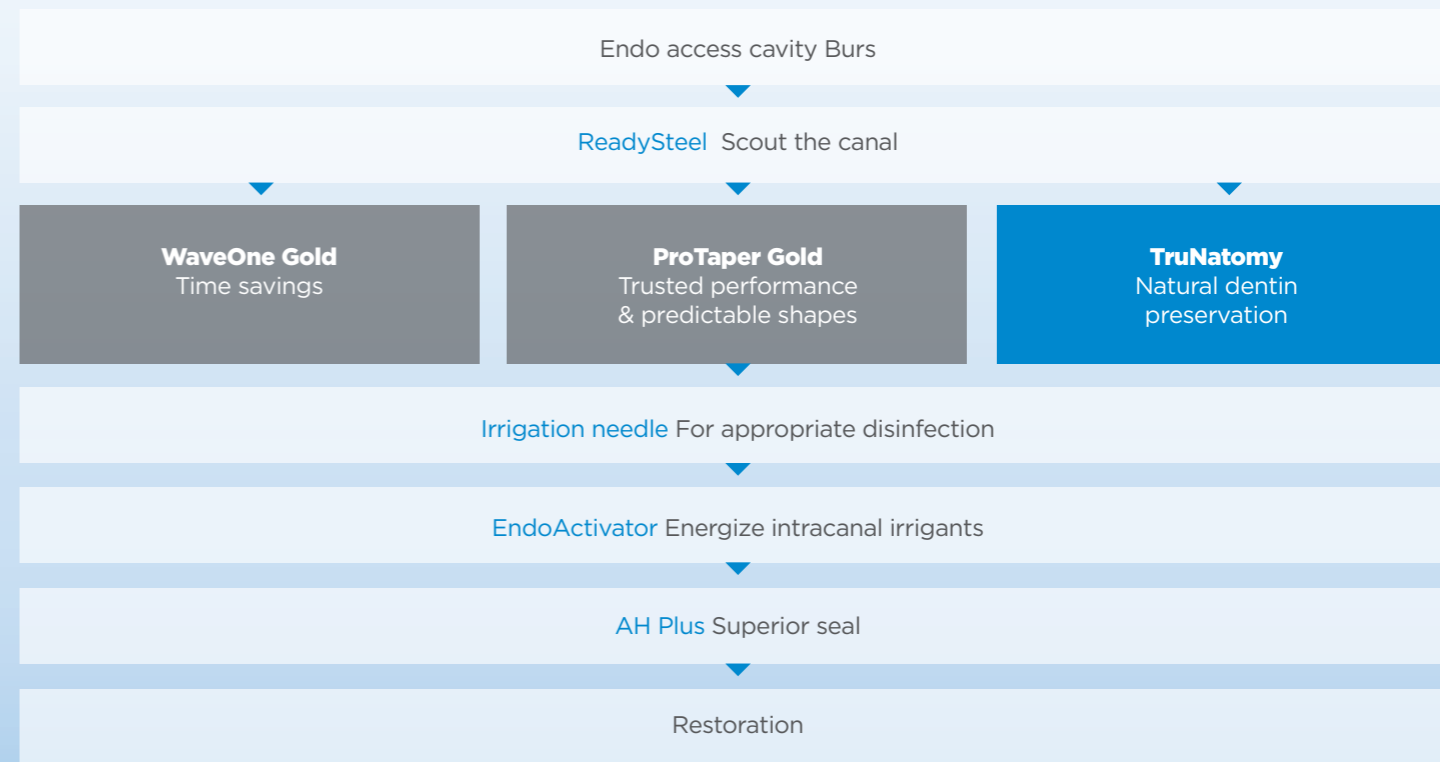


## OUR MISSION

We empower you to extend the functional life of natural teeth, to keep healthy smiles.

## Our Treatment Solutions

# Three workflow options depending on your preference





# The inception of TruNatomy



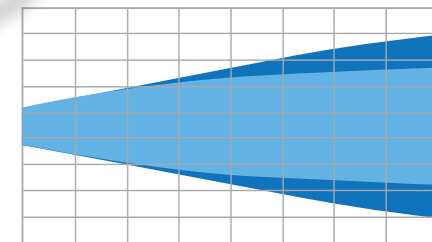
How about we try to maximize dentin preservation?



Challenge taken on by **Dr George Bruder** **Dr Ove Peters**, and our engineers to design TruNatomy

# TruNatomy preserves structural dentin

The union of the file geometry, regressive tapers and the slim, highly-flexible wire enables efficient root canal treatment while removing only dentin where clinically needed.<sup>1</sup>

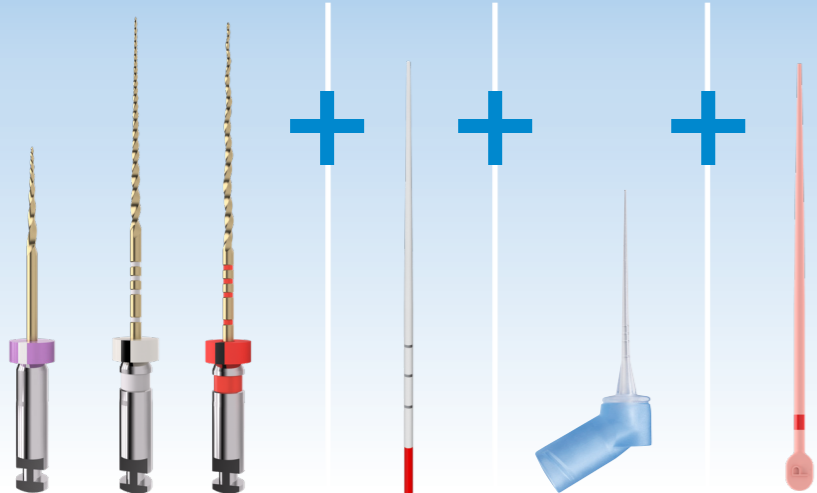


TruNatomy™ Prime    Generic progressive tapered file

## The TruNatomy Technology

- **Smaller 0.8 NiTi wire (maximum flute diameter)** with heat treatment
- 9.5mm handle fitting contra-angle micro heads and the pre-curving capability **enable molar access**<sup>2</sup>
- The combination of the file design and the heat treatment allow to have a flexibility **fitted to the specific purpose of each instrument**
- Higher flexibility and resistance to cyclic fatigue **enabling pre-curving** and memory shape

<sup>1</sup>Properties of a novel nickel-titanium root canal instrument: stationary and dynamic tests. J Endod. 2020 May 7. Peter OA, Arias A, Choi A.  
<sup>2</sup>Internal data.



Orifice Modifier, Glide Path and Shaping Files

Dedicated Absorbent Points

New flexible Irrigation Needle

Dedicated Conform Fit™ Gutta-Percha Points

+ STERILE

All TruNatomy files and paper points are delivered sterile in individual packs

For appropriate disinfection

Made to match the precise shapes created by the TruNatomy™ instruments

## A complete solution

TruNatomy™ features products for each step of the root canal treatment that work together smoothly

+ The EndoActivator® Small tip (15.02) agitates the irrigation solutions during endodontic treatment to enhance deep cleaning and disinfection.

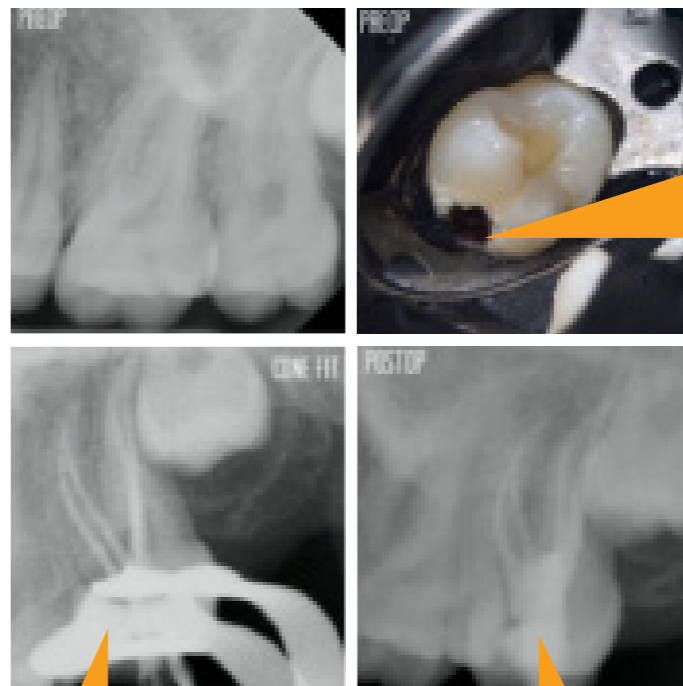


Discover TruNatomy with the Solution Kit

## The Endo/Resto clinical case

Dr Peters comments on a clinical case shared by his former resident, Dr Ahmed Salman (Aurora, Colorado, USA)

*“After treating this tooth with TruNatomy, we can argue with certainty that a full crown and post are not needed because we preserved enough natural dentin. This leaves plenty of options for further restoration selections in the future”*

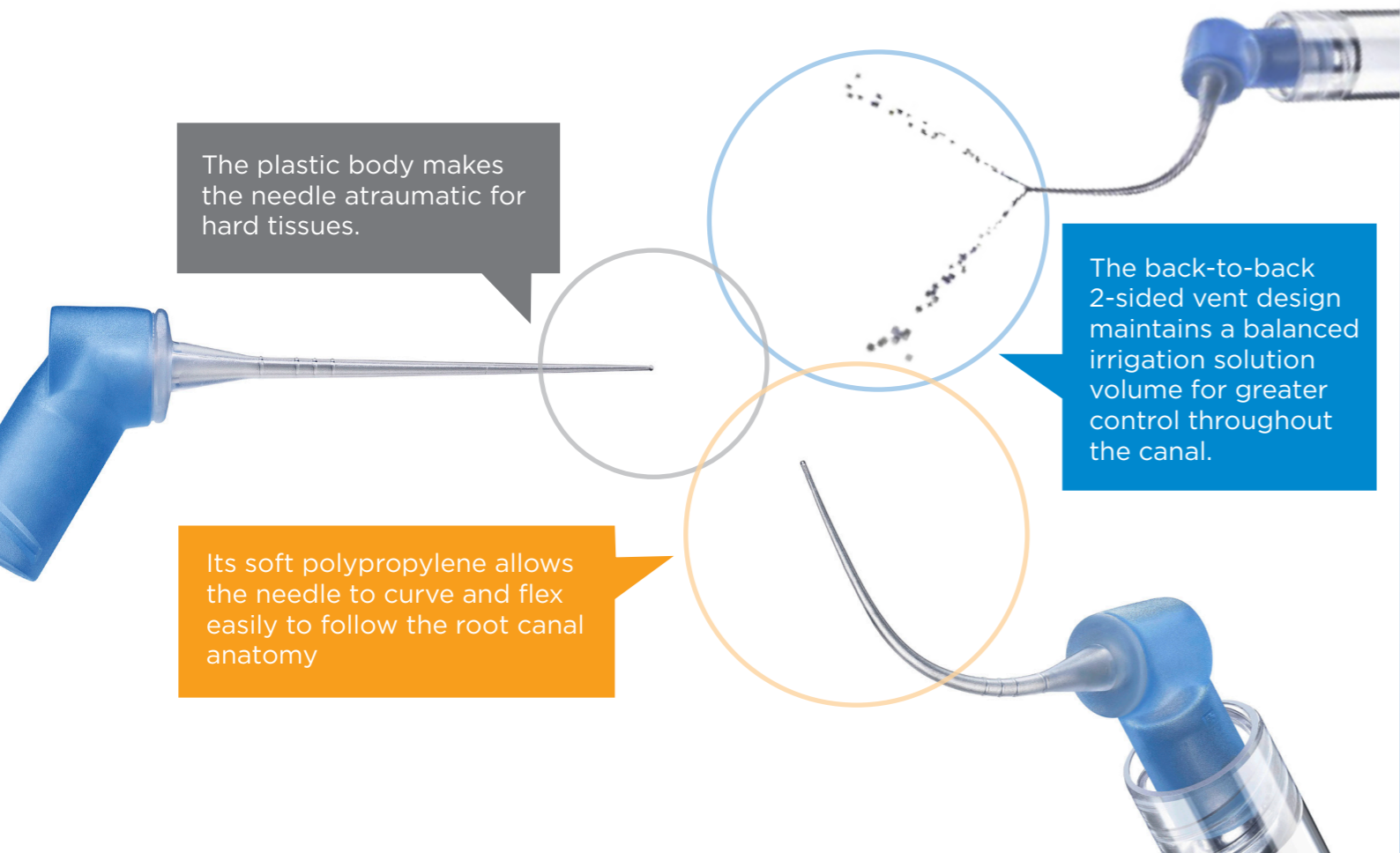


Deep buccal caries with pulpal involvement

Complete shape and cone fit with TruNatomy Conform Fit Gutta percha

Overall retained dentin with separate restorations for carious lesion and access

# For appropriate disinfection



# Safe. Effective. Simple.

The **EndoActivator** is designed to safely and vigorously energize intracanal irrigants in a cost effective manner.

Activated fluids promote deep cleaning and disinfection into lateral canals, fins, webs, and anastomoses.

"After creating a root-appropriate shape, I systematically use the EndoActivator to promote cleaning root canal systems."

**Dr Pierre Machtou**



## Three studies on the EndoActivator

- 1 Assessment of Irrigant Activation Efficiency in the Apical Third of Curved Canals: A Scanning Electron Microscope Study

*Caron G, Machtou P, et al; J Endod 36:8, pp. 1361-1366, 2010*

- 2 The Efficacy of Supplementary Sonic Irrigation Using the EndoActivator System Determined by Removal of a Collagen Film From an Ex Vivo Model

*Bryce G, MacBeth N, Gulabivala K, Ng YL; Int Endod J [Epub ahead of print], November 2017*

- 3 A Quantitative and Qualitative Analysis of Ultrasonic vs. Sonic Endod Cleanliness and Obturation

*Kanter V, Weldon E, Pileggi R, et al; Oral Surg, Oral Med, Oral Pathol, Oral Radiol, J Endod 112:6, pp. 809-813, 2011*





## Sterile delivery Ready to go

I open the blister and I am ready to go. Using sterile-delivered product is a matter of guarantee. For my patients, for my staff and for me. This is what I would want, as a patient. Wouldn't you?

**Dr Sarah Attal**

### TruNatomy files are delivered to you already gamma sterilized:

- Ensure top infection prevention standards
- Immediately start treating patients
- Optimize chair time
- Save sterilization steps

## Single patient use One patient, one use

- 1 No risk of cross contamination, for patients, for your staff and for you
- 2 Saves time for reprocessing, changing and organizing files
- 3 Better control of the risk of file breakage
- 4 Stable high cutting efficiency

Evaluation of biological debris on endodontic instruments after cleaning and sterilization procedures  
International Endodontic Journal (2010)

**Findings: The methods used to clean endodontic instruments are generally ineffective at removing biological debris**

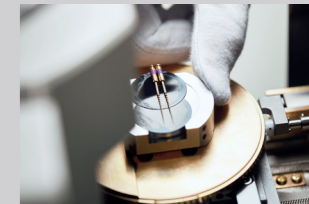
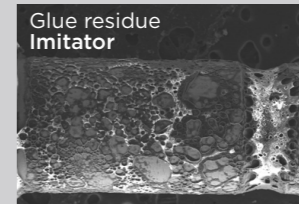
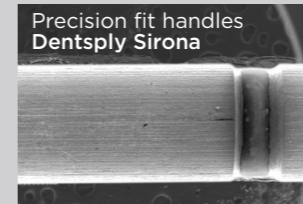
Residual protein levels on reprocessed dental instruments:  
Journal of Hospital Infection (2005)

**Findings: The cleaning of some instruments reprocessed routinely in primary care was incomplete; such instruments cannot be excluded as a potential source of cross-infection**



### Precision fitted files

All our files are pressure fit inserted. No glue used.



### Rubber dam

For safer and more efficient endodontic treatments

#### More efficiency

- Improved visibility
- Saves time (the use of cotton pellets or holding back the patient's tongue are no longer needed)

#### More safety

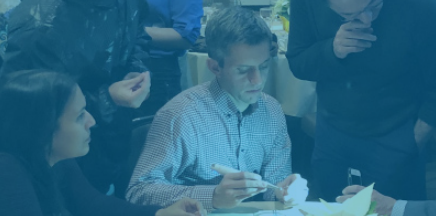
- Easier to maintain asepsis during the treatment
- Reduces the risk of the patient swallowing instruments and irrigating solutions



Performing an endodontic treatment without rubber dam is like driving a car without a windshield on a rainy day. It only takes less than a minute to place it. Safety, infection control, aerosol reduction and eventual time saving will ensure there are no mishaps.

**Dr Wilhelm Pertot.**

Join us for local  
Education events  
to experience  
**TruAnatomy!**



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