



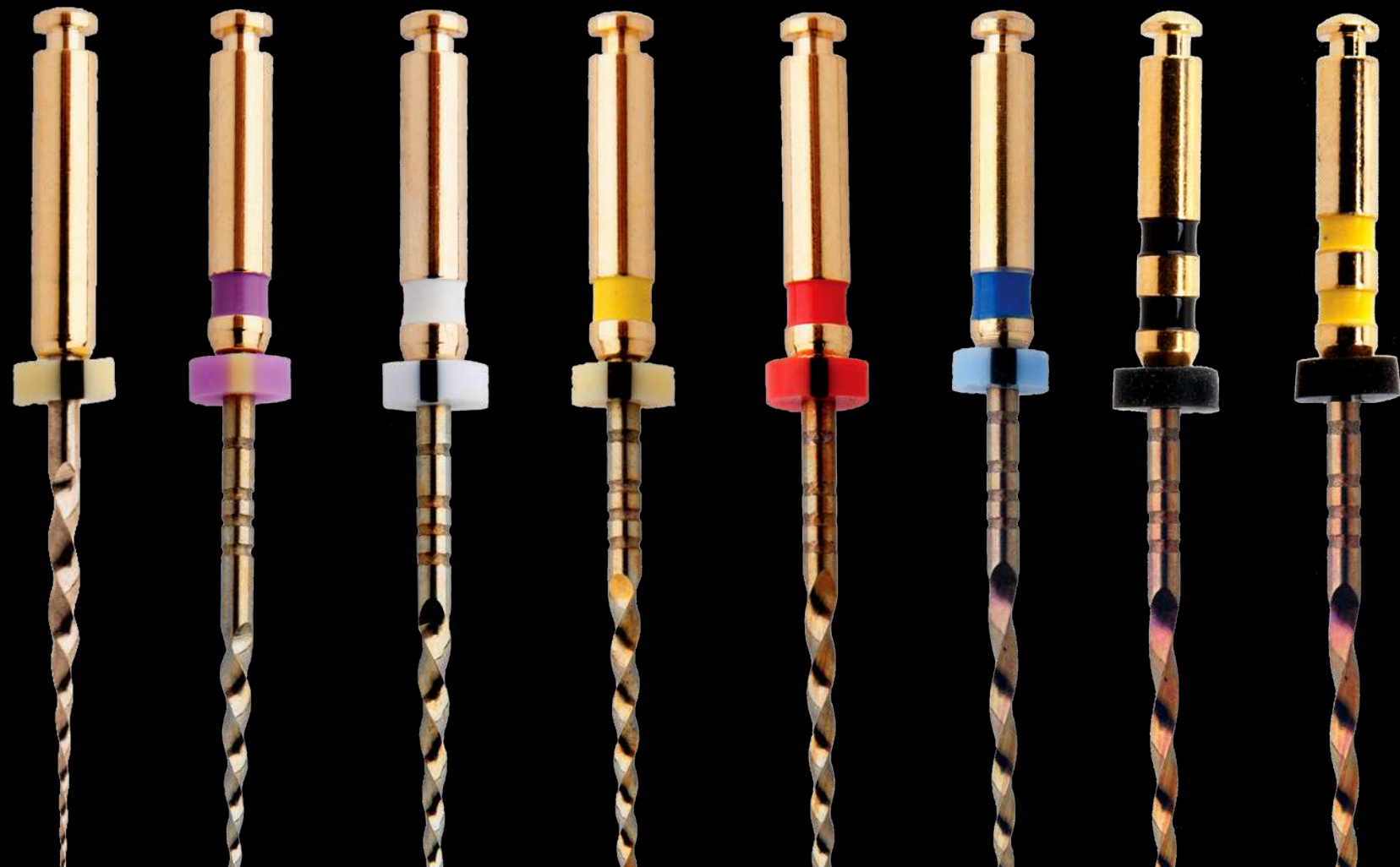
Our mission is to deliver endodontic products and solutions, at a more affordable price which in turn benefits practitioners and patients everywhere.



EDGEONE  
FIRE™

# About EdgeEndo

EdgeEndo was founded in 2012 by US based Endodontist, Dr. Charles Goodis. Conducting business in **30+ countries** around the world, EdgeEndo's mission is to deliver high quality dental products and solutions, at affordable prices which in turn benefits practitioners and patients everywhere. Innovation is the heart of EdgeEndo, we believe **premium technology shouldn't have to come with a premium price tag.**



“

Let Us Help You  
Do Great Root  
Canals.

”

– Charles J. Goodis,  
DDS, Endodontist, Albuquerque,  
NM, USA, Founder & Owner,  
EdgeEndo®







# Clinical Results & Clinical Cases



# Clinical Case



Gianluca Gambarini, University of Rome, La Sapienza, Dental School; Director of Master of Endodontics

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## DIVERGENT CANALS

Divergent canals ( two canals starting together and then separating in the middle/apical portion of the root) represent a clinical problem in endodontics, especially when using traditional NiTi instruments. The superelastic behaviour of the alloy make the instruments more easily follow the same path ( usually one canal, which is the more straight ) and makes more difficult to negotiate the second one, especially when it is not possible to see its entrance deep inside the root.

## AIM

The present case wants to show the clinical advantage of using a single-file reciprocation technique with a heat-treated prebendable martensitic file (Edge One Fire) in the management of divergent canals

## CASE HISTORY

Lower premolars can sometimes exhibit two or three canals. Such unusual anatomy often is related with narrow, severely curved , confluent or divergent canals. The last case is very complex and usually requires the use of instruments which can be directed inside the two different canals ( therefore flexible and prebendable ) with different angulations. An adequate glide-path also helps NiTi shaping but still does not always solve the problem. Therefore in the present case EOF primary single-file reciprocating technique was used . Instruments were prebent in their apical part , inserted in the two different canals and then activated. The selected choice was rationale because the mechanical properties of the EOF primary ( flexible and prebendable) allow to be precisely and easily inserted in each canal and then negotiate them. The use of a single file technique allowed to face the challenge of a divergent canal only once, consequently saving time and reducing complexities. Using traditional instruments in many cases smaller and more flexible instruments can find the path, but the bigger ones in the sequence do not. By using only one file the whole procedure was found to be easier and more rapid, and both canals were correctly shaped, cleaned and obturated.



## CONCLUSIONS

Complex canal anatomies require the rationale use of NITI instruments, by selecting the best option for the case in terms of efficiency, safety and simplicity. EOF mechanical properties allowed to perform shaping of divergent canals with great efficacy, avoiding iatrogenic errors or complications,

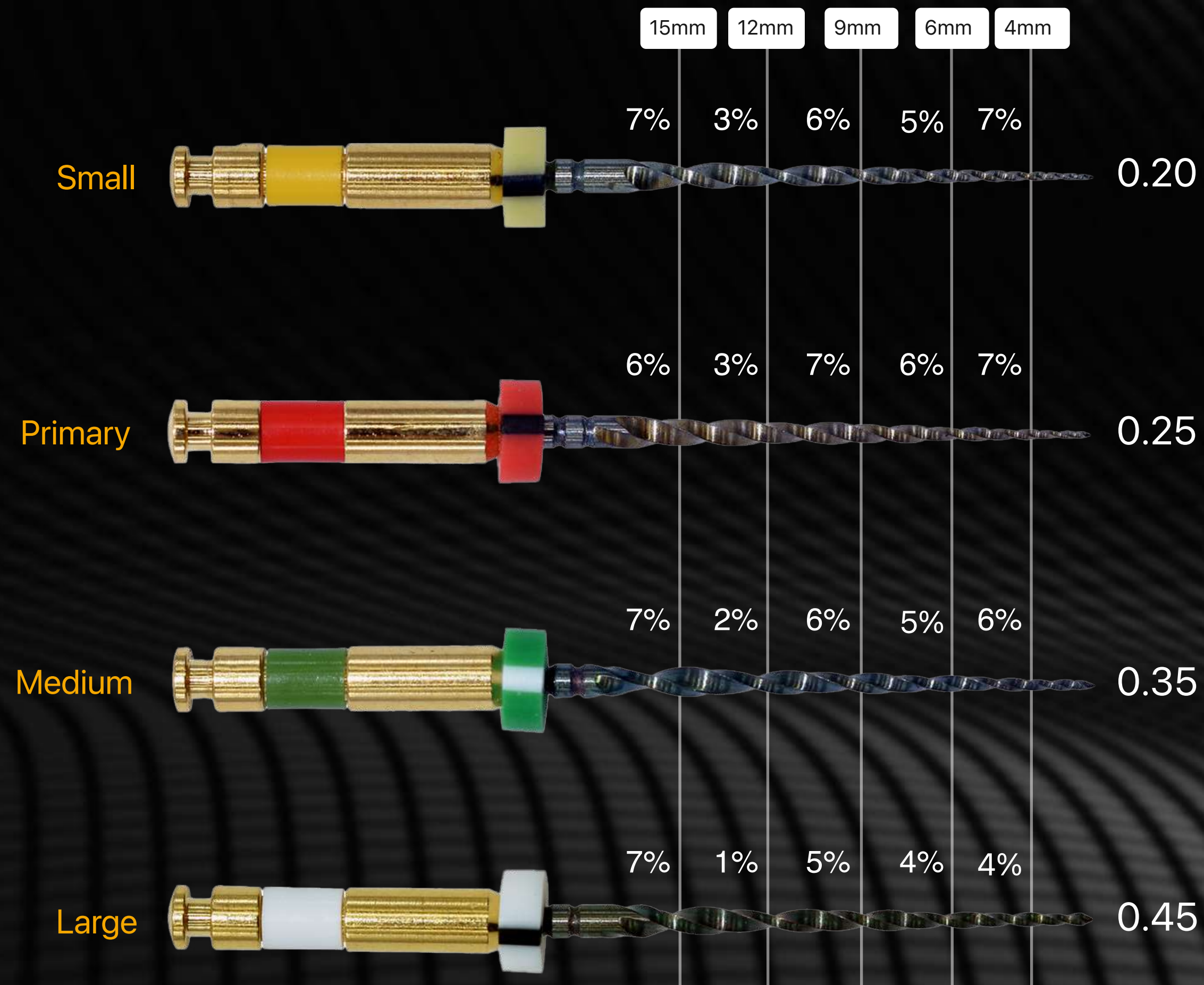
## CLINICAL RELEVANCE

A single-file reciprocation technique with a heat-treated prebendable martensitic file ( Edge One Fire) was found to be an excellent, simple and rapid option for instrumentation of divergent canals





# EDGEONE FIRE™



EdgeOne Fire™ features our Heat-Treated Fire-Wire™ NiTi and is designed to shape canals in a reverse-reciprocating motion. EdgeOne Fire works with existing handpieces operated at the Wave One® Gold parameter. EdgeOne Fire tests at five times the cyclic fatigue as WaveOne® Gold.

EdgeOne Fire™ is available in sizes Small, Primary, Medium and Large. Files have a parallelogram shaped cross section with a variable taper.

There are three files in each pack with the option of an assortment pack or single sized pack. Available in lengths 21, 25 and 31mm.



EdgeOne Fire™ is designed with a varied taper and shapes canals in reverse -reciprocating motion.



### Unmatched Flexibility

Heat-treated FireWire™ NiTi gives amazing flexibility, capable of 90° curves.



### No Bounce Back

FireWire™ NiTi doesn't bounce back to preserve apical anatomy



### Incredible Strength

5x the cyclic fatigue as WaveOne® Gold.

**EDGEONE**  
FIRE™

Features





We believe premium technology shouldn't have to come with a premium price tag.

Performance

Price

Technology

