

JUNE, 2017 NEWSLETTER

DENTSPLY SIRONA ACQUIRES RTD

At the IDS meeting in Cologne, Germany, Dentsply Sirona announced the acquisition of RTD (Recherche Techniques Dentaires), the privately-owned, worldwide leader in fiber endodontic posts.

"RTD's unique and innovative offering perfectly complements our new R2C™ - The Root to Crown Solution. R2C™ provides state-of-the-art products and procedural guidance from diagnosis and treatment planning to the final coronal restoration. R2C™ and the RTD acquisition will enable us to provide dental professionals with a more complete end-to-end solution for better, safer and faster root canals and tooth restoration", according to Jeffery T. Slovin, CEO of Dentsply Sirona.

RTD and Dentsply Sirona have a long history together, as RTD has been supplying Dentsply Sirona with root canal posts for many years. Dentsply Sirona will support and grow the successful brand and private label businesses of RTD, continuing business as usual and further developing the commercial relationship built with OEM partners and distributors/dealers.



Left - to -right: Pamela Marklew, Julien Storz, Pierre-luc Reynaud, Patricia Reynaud, Mathieu Flamencourt

[MEET THE NEW MANAGEMENT TEAM \(click here\)](#)

RTD customers can expect the same level of service and quality, and may benefit from a more complete end-to-end solution for better, safer and faster root canals.

"Patricia and I fully support the acquisition and will provide support over the next months to ensure a smooth transition. After the transition, we are looking forward to new projects and a new phase in our life," said Pierre-Luc Reynaud. "We appreciate and thank you for your valuable contributions and good working relationship over the past years. Please feel free to contact us if you have any questions."



NEW FIBER POST REMOVAL VIDEO

RTD, the established leader in fiber post technology, and inventor of the product, was also the first to introduce a removal kit specific to their own posts, as early as 1996. Prof Dr Ricardo Portigliatti, Professor of Endodontics at University of Maimonides (Buenos Aires, Argentina) contributed video of his preferred removal technique of RTD Quartz fiber posts. Dr. Portigliatti was our [interview](#) subject in the last edition of this newsletter, and described his rationale.

RTD has produced a short (1:41) video in [English](#) and [Español](#), showing the safe and effective removal using ultrasonic tips and common hand instruments.

More information and research on the removal of fiber posts can be found [here](#).

PRODUCT NEWS

Macro-Lock Oval information added into RTD Spanish Website.

RTD's latest post innovation, is now part of the Spanish RTD website. In addition to general information, you can also click to see the complete product brochure, a story about the products evolution, instructions for use, available packaging, Clinical Case and Step-by-step graphics. [Read more here](#)

REALITY RATES Macro-Lock Oval

In 2016 an international panel of dentists evaluated these new posts, ultimately giving the product a 4.1 - STAR (out of 5) rating!

REALITY is an online membership-based service with continually updated information on products, materials, and equipment.

The Editorial Team is comprised of dental professionals who are considered among the leaders in their respective fields of interest. Each member has been carefully selected

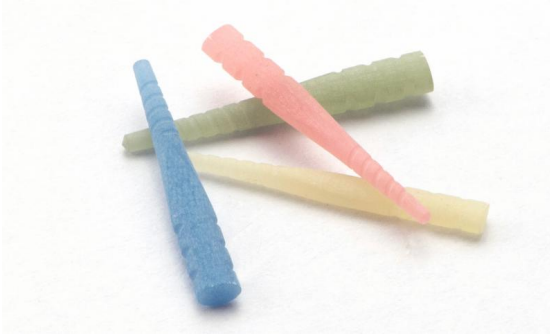


to keep the Team diverse on a geographical basis and to create the proper balance between practicing clinicians and academicians.

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INTERVIEW

Professors Gilberto & Natalia Henostroza, of the Universidad Peruana Cayetano Heredia (Lima, Peru) discuss their preferred approach to selecting the right post/core technique based on RCT results, oval or oddly-shaped canal, and the rationales for different cementation techniques, based on clinical conditions and chemistry.

[Read the interview here](#)

CLINICAL CASE

Dr Phillip Brown offers a graphic article for simplifying and improving accuracy in the placement of Quartz Splint fiber periodontal splint, using PVS impression material as an index.

[Click here to see the entire case](#)



PUBLISHED RESEARCH REVIEW

RTD makes an effort to keep abreast of published research that addresses the types of products and techniques that RTD supports. Here are a few we have found recently in the mainstream literature.

1. Comparison of different post systems for fracture resistance: an in vitro study. Vadavadagi, SV, et al. *J Contemp Dent Pract.* 2017 Mar 1;18(3):205-208.

Aim: To compare and assess the compressive bond strength of glass, quartz, and carbon fiber posts restored with porcelain-fused-to-metal (PFM) crown. **Results:** The compressive strength exhibited by carbon fiber posts was highest, followed by quartz fiber post (Least compressive strength was exhibited by glass fiber post.. An analysis of variance shows statistically highly significant difference ($p < 0.005$) among the posts used. [Click here to read the study](#)

2. Survey of dentists to determine contemporary use of endodontic posts. Ahmed, SN, and colleagues. *J Prosthet Dent;* 2016 Oct 27. pii: S0022-3913(16)30369-9. doi: 10.1016/j.prosdent.2016.08.015. [Epub ahead of print]

Purpose: The purpose of this survey was to gain insight into the rationale for choice of endodontic posts and the different endodontic post systems currently used by dental practitioners. Surveys were distributed to dentists attending continuing education meetings in the United States, Canada, Scotland, Ireland, and Greece. **Results:** The majority of the practitioners used fiber posts. This may be because, in terms of fracture, they compare favorably with cast-metal post and core, [Click here to read the study](#)

3. Comparing fracture resistance and the time required for two different fiber post removal systems. Aydemir, S, and colleagues. *J Prosthodont.* 2017 Jan 9. doi: 10.1111/jopr.12575. [Epub ahead of print]

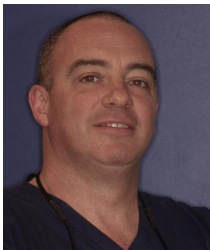
Purpose: To compare two fiber post removal techniques in terms of fracture resistance and time required for post removal. **Results:** There was no significant difference between the control and removal kit groups for fracture resistance values The fracture resistance value of the ultrasonic group was found to be significantly lower than that of the control group, as well as that of the removal kit group. The fiber post removal time for the ultrasonic group was significantly longer than that for the removal kit group.

[Click here to read the study](#)

Why Dentists love Macro-Lock Oval Posts

Macro-Lock OVAL, the newest addition to the RTD post family, was introduced last year, and was

announced in this very newsletter. By popular demand, a new “universal kit” has already been added, and it has now been registered in several of the Latin American countries. In the course of our normal pre-market evaluation, and in the initial distribution to some academicians and other influential clinicians, we received a lot of comments about the concept of an oval post, and the post itself. Basically, many had wondered why it took so long for major manufacturer to introduce this post design. Here are but a few of these encouraging testimonials; more can be found [here](#).



"I'm glad that somebody finally developed this post design, and it seems natural that RTD would be the one to do this. An oval-shaped post addresses a well-known clinical problem in restoring endodontically-treated teeth. I also like the idea that I can customize it simply and slightly, for an even better fit."
Dr. Alejandro Bertoldi Hepburn University Del Desarrollo Dental School Concepción, Chile.



"This is truly one of the best ideas I've seen in dentistry in a long while. These new posts address a real clinical indication from the structural, geometric, functional and esthetic perspectives all at once. High strength, macro-retention, and excellent radiopacity combine in this unique shape to replace cement with high-performance fiber-reinforced composite. During our pre-market evaluation the posts were so successful that I made the rare decision to implement immediate use in our clinical regimen - they are incredible."
Dr. Brian Gray, General Dentistry Washington DC, USA



"I have been researching and working with fiber posts for more than 10 years, and have concluded that more post and less resin is a better restoration. Because of that, this is an excellent post to enhance the endo-restorative complex. Moreover, I love the design, which matches the filing system and natural anatomy."
Dr. John Peters, Endodontics. Halifax, NS Canada

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