Enhancing laser endodontics

Fotonas proprietary ASP (Adaptive Structured Pulse) technology represents a step forward with respect to controlling laser pulses in the temporal domain. By introducing a revolutionary new SWEEPS (Shock Wave Enhanced Emission Photoacoustic Streaming) mode, developed to further improve the cleaning and disinfecting efficacy of LightWalkers laser-assisted PIPS® endodontic procedures. Although the PIPS® irrigation is very effective, its cavitation dynamics is still much slower than what it could be if not slowed down by the friction on the root canal walls. With the specially adapted SWEEPS pulse structure, a faster photoacoustic collapse can now be produced even in narrow root canals, resulting in the emission of a large number of enhanced pressure waves throughout the canal. This is a very exciting development. With SWEEPS-supported endodontics, you not only improve the streaming of irrigants throughout the complex root canal system, but also enhance the direct removal of the smear layer and disinfection, potentially eliminating the need for the use of aggressive irrigants.

Unleash the multispectral power that is the VALIANT from Vista Dental

Vista Dental Products introduces the VALIANT LED curing light that produces uniform, high-intensity light in the 395–500 nm wavelength range. As a multispectral curing light, VALIANT is capable of polymerising nearly all light-cured dental materials, making it one of the most versatile curing lights on the market.

The VALIANT combines an optimised clover-shaped LED arrangement with precision optics to provide a uniform beam through three curing modes (standard, ramp, boost) for user preference. The irradiance is 1,200 mW/cm² for standard and ramp modes, and 2,500 mW/cm² in the boost mode. The VALIANT also has a transilluminator for detecting fractures, cracks and residual caries.

The VALIANT is ergonomic in style and lightweight, weighing just 72 g/2.5 oz and its one-button operation is intuitive and makes it easy to use. The VALIANT is cordless and contains an inductive charging removable battery provides >= 150 20-second-curing cycles. The VALIANT curing light starter kit comes with the handpiece, two rechargeable batteries, a charging base, 100 protective sleeves and a light-attenuating shield.

The VALIANT is the smart choice over other curing lights as it is efficient, lightweight and provides a substantial cost SAVINGS compared to curing lights from other leading brands.

Swiss quality in dentistry

Produits Dentaires expands in endodontics

Produits Dentaires stands for Swiss quality in dentistry. In more than 100 countries, the company offers dentists a wide range of high-quality products for use in endodontics, restorative dentistry, prophylaxis, prosthodontics and periodontology. At the recent International Dental Show (IDS), Dental Tribune International had the opportunity to learn more about the Swiss company’s future business strategies and portfolio.

“We are a family business that has been operating in dentistry for 77 years now. However, this is a special IDS for us because we are entering a new phase. What we’ve been presenting here is our vision for the future,” Yann Gehrig, Co-Executive Director of Produits Dentaires, along with his brother Nicolas told Dental Tribune International on-site. “Our portfolio has been very broad in the past. Now, our focus is on one particular area: endodontics.”

The company’s well-established MAP (Micro-Apical Placement) System, for example, is a unique method for effectively placing root canal repair materials. This high-end product for specialists has been manufactured for more than ten years. With MAP One, Produits Dentaires now offers general practitioners performing endodontic work a useful, cost-effective and easy-to-use version of the MAP System. “With this new product, for instance, we are able to give a much wider audience access to our products. This is an important aspect of our vision and we’ll
continue in this direction,” stated Michel Ruffieux, Sales and Marketing Director at Produits Dentaires.

Over the past several years, Produits Dentaires has built up an extensive distribution network of agents, wholesale dealers and dental suppliers, making its products easily available worldwide. “With regard to meeting our partners and establishing new business relations, IDS is key for us. It is the only truly global exhibition," Ruffieux commented.

Another key element of Produits Dentaires’ business strategy is education. The company provides information and support worldwide through a national and international expert team of dentists, dental hygienists and other specialists from the medical field, with whom it also regularly organises workshops and conferences. In addition, several research projects are running in close cooperation with universities and colleges in Switzerland and worldwide.

“Through our collaborations, we seek to create something new—products with added value. We feel that innovations need to be explained not only to the distributors but to the users too. We don’t want to just put the products in a catalogue; we want to make sure that training for our products is done correctly,” said Gehrig. “Our overall mission is to make dentistry simpler and more accessible for everybody,” he concluded.

To this end, the company organised a workshop area at its booth this year for the first time at IDS. Every day during the show, Produits Dentaires offered free lectures and workshop sessions, which were presented by key opinion leaders from Style Italiano, for instance, and very well attended and received.

More information about the company can be found at www.pdsa.ch.

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The company’s MAP System was on display at IDS. (Photograph: Robert Strehler)