Endo Meets 3D: New 3D Endo software for better, safer and faster endodontics

Dentsply Sirona introduces another integrated solution to the market: a new 3D imaging software to improve the planning and workflow of endodontic procedures. With the largest research and development organization Dentsply Sirona is committed to its mission of empowering dental professionals to provide better, safer, faster dental care.

Dentsply Sirona has developed yet another innovation in endodontics: 3D Endo is the first CBCT-based software that enables endodontic treatments to be preplanned and optimized in combination with the imaging data from the Orthophos units. This new advancement is also the first software project to combine the know-how and experience of Dentsply Sirona’s market leading engineers, scientists and software developers in both its endodontics and digital radiography units. Based on the 3D data and their specific visualization, the practitioner can case-specifically recognize the demands on the treatment of the root canal, analyze the natural shape of the root canal and select the appropriate files using the integrated file database. As a result, the endodontic treatment is more efficient and significantly improves patient communication. With the help of a planning report or directly in the software, the practitioner can clearly explain the initial situation and the appropriate treatment to the patient. Dentsply Sirona plans to introduce this software in the coming months upon the receiving the necessary regulatory approval.

For years, Dentsply Sirona has been collaborating and creating integrated solutions in the area of Endodontics. Back in 2014, Waveone by Maillefer and RECIPROC by VDW, both leading reciprocal file systems, were first integrated into the TENEo treatment centers and more recently into the SINIUS centers, which considerably improved the workflow of the Endo function. Now, with new 3D Endo software, Dentsply Sirona will offer an even more comprehensive integrated approach to endodontics which will be available on the market this fall.

“Dentsply Sirona is working to shape the future of endodontics worldwide by continuously striving for better patient outcomes and by empowering dental professionals with world-class innovative solutions, education programs and clinical procedures. This new software is yet another way in which our platform will redefine endodontic care for dental professionals and patients by setting new treatment standards in efficacy, safety and simplicity”, says Dominique Legros, Group Vice President, Dentsply Sirona Endodontics.

“Using our new software in combination with our Orthophos units will provide practitioners the best image quality at the lowest dose and significantly improve their endodontic workflow. By working collaboratively with the Endodontics team, we were able to best identify and address an unmet need and develop an easy to use, integrated solution for our customers”, says Dr Stefan Hehn, Group Vice President, Dentsply Sirona Imaging.

www.dentsplysirona.com
Meta Biomed has now established its European headquarters in Mülheim in Germany and, with the move, the Korean medical technology company is aiming at increasing its presence throughout Europe. Meta Biomed has a deserved reputation of being one of the dental industry’s primary innovators, as the company’s focus on research and development has achieved continual breakthroughs in the quality and performance of its medical devices and biomaterials. The focus of improvement through innovation continues with the launch of Meta Biomed’s new EQ-V endodontic obturation system, which promises to deliver reliable, convenient and precise root canal obturation.

The decision to base Meta Biomed in Mülheim has been warmly welcomed by local economic development company Mülheim & Business and state-owned economic development agency NRW.INVEST, both of which have supported Meta Biomed throughout the expansion process. As a company with more than 1,000 employees worldwide, establishing itself in Germany is recognition of the “made in Germany” label as an international signifier of high quality. This emphasis on providing exceptional products reflects the company’s own corporate ethos.

Meta Biomed’s EQ-V is a brand-new system that offers a revolutionary and convenient option for continuous wave obturation. With the user in mind, both the EQ-V Pack and Fill are lightweight and ergonomically designed to allow for comfortable handling. Each is protected with chemically proven housing material and offers outstanding heating performance, as the fill needs just 35 seconds to reach a temperature of 200 °C. A highly efficient and replaceable lithium battery ensures that the EQ-V has an extended battery time, making it ideal for longer and more complicated procedures. The device’s unique 360° rotating cartridge provides dental professionals with unparalleled access and precision, and comes with the added benefit of being easily replaceable and disposable. All in all, the EQ-V is a product that embodies Meta Biomed’s commitment to providing low-cost, high-quality solutions for everyday dental procedures.

Meta Biomed is inviting dental professionals to join the company at the 2017 International Dental Show, to be held in Cologne in Germany, from 21 to 25 March. There is a great level of excitement at Meta Biomed about showcasing its industry-leading endodontic products to such a large audience. “We will be located at Booth B060 in Hall 11.1 and are looking forward to meeting our customers and answering any questions they may have,” said Ian Yun, Managing Director at Meta Biomed.

http://www.meta-biomed.com/eng/
Sidexis iX: Better communication of treatment proposals

The Sidexis iX iPad app visualises X-rays and intraoral images, and facilitates excellent communication between dental practitioners and patients. At the International Dental Show (IDS), Dentsply Sirona Imaging will present the first iPad app that makes it possible to navigate through an actual X-ray volume.

Understanding 3D images is a standard work tool for dentists, but for patients it is difficult to understand because they are not accustomed to viewing and evaluating X-ray images. “Experience from the daily practice routine shows that patients can more easily understand X-ray images and the resulting treatment proposal when the data files are given to them. The iPads have proven to be a huge advantage for patient communication,” said Dirk Rudek, responsible product manager at Dentsply Sirona Imaging. Dentsply Sirona is therefore working both on further development of the proven standard Sidexis imaging software, as well as the iPad version for viewing X-ray data.

The new version 3.5 for Sidexis iX has been available in the Apple app store since January 2017. It allows access and viewing of the existing 2D data records in the Sidexis database. Different types of generic implants can also be placed as well as positioned, scaled and rotated in 2D X-ray images with typical iPad gestures. Dental practitioners can also send screenshots with implants and freehand annotations to the Sidexis 4 database so they can be displayed in the timeline of the patient and in the light box. While the proven Galileos Implant software, which runs as an extension of Sidexis 4 on a PC, allows sound 3D implant planning, Sidexis iX provides practitioners with the perfect additional tool for outlining the implant treatment to the patient very quickly.

First true 3D representation of X-ray data for the iPad

At the IDS 2017, Dentsply Sirona Imaging will introduce the new Sidexis iX 4.0. This version makes it possible for the dentist to depict three-dimensional X-rays as a 3D-rendered image and an axial, coronal or sagittal section view on the iPad. In the section views, users and patients can use their finger to navigate through the individual views—similar to how the mouse is used in Sidexis 4 to navigate a 3D data record on the PC. Additionally, users can zoom with the familiar two-finger gesture known from other iPad applications. Sidexis iX 4.0 will be the first iPad app able to depict an actual volume on the iPad.

The X-ray images are downloaded from the Sidexis 4 database via WLAN as customary and stored locally on the iPad. The clever compression technique allows quick transfer of the large data volume, which remains on the device until deleted. The volume loads in seconds when opened again to help facilitate patient communication in a modern way.

Visit Dentsply Sirona at the IDS 2017 in Hall 10.2 and 11.2.

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