

Digital imaging at Dentsply Sirona: The best perspective for gentle and safe treatment

Successful treatments demand one thing in particular from users: a clear idea of the anatomical conditions. The innovative systems and new user-friendly applications from Dentsply Sirona Imaging for intraoral, panoramic, and 3D X-rays offer dentists the best possible view, true to the motto: "See More. Do More". In this way, diagnostics are made more reliable and treatment planning becomes more efficient.

Bensheim/Salzburg, March 21, 2017. As a pioneer in dental radiology, Dentsply Sirona Imaging continues to set new standards for modern digital imaging. The company remains committed to its maxim of offering the best possible image quality with its intraoral, panoramic, and 3D X-ray systems combined with the lowest appropriate dose and maximum operating comfort. With the aim of offering efficient workflows to practitioners in all dental disciplines, Dentsply Sirona integrates its image processing systems and software with other digital technologies to create completely new solutions for preventive dentistry, functional diagnostics, endodontics, implantology as well as other medical disciplines, such as the treatment of obstructive sleep apnea (OSA).

"Our imaging systems and integrated solutions satisfy the demands of all practices and help dentists to gain their patients' trust time and time again thanks to the exceptional diagnostic and treatment reliability offered," explained Head of Product Management at Dentsply Sirona Imaging Jörg Haist,.

Orthophos SL – 3D image information with the dose level of 2D images

The versatile 2D/3D hybrid X-ray unit Orthophos SL for extraoral images captures, depending on the clinical task, HD images with the highest possible resolution as well as images with a significantly reduced dose. The new Low Dose mode enables the creation of 3D images with the dose used for 2D images. The clinical task is crucial here; Low Dose is particularly well suited for determining the position of teeth, checking the implant position, localizing wisdom teeth and displaying the airways in Sicut Air. The use of a stronger filter means the visualization of dense structures (e.g. bone) is ensured to the best possible degree, making Low Dose the ideal choice for such clinical tasks.

3D Endo software – easy access to the root canals

3D Endo is the first CBCT-based software for planning complex endodontic cases. It visualizes the root canal anatomy and its curvature, thus allowing the user to plan the endodontic treatment efficiently. The files used in the therapy can be viewed directly in the 3D Endo software,

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About Dentsply Sirona:

Dentsply Sirona is the world's largest manufacturer of professional dental products and technologies, with a 130-year history of innovation and service to the dental industry and patients worldwide. Dentsply Sirona develops, manufactures, and markets a comprehensive solutions offering including dental and oral health products as well as other consumable medical devices under a strong portfolio of world class brands. As The Dental Solutions Company, Dentsply Sirona's products provide innovative, high-quality and effective solutions to advance patient care and deliver better, safer and faster dentistry. Dentsply Sirona's global headquarters is located in York, Pennsylvania, and the international headquarters is based in Salzburg, Austria. The company's shares are listed in the United States on NASDAQ under the symbol XRAY. Visit www.dentsplysirona.com for more information about Dentsply Sirona and

which minimizes the risk of file breakage and perforation of the root canal.

The focused 5 cm x 5.5 cm HD volume of the Orthophos SL, with a voxel size of 80 μm , shows hidden root canals, thus making it the ideal partner for endodontic applications. With 3D Endo and Orthophos SL, Dentsply Sirona provides a new solution for simplifying complex endodontic cases.

Sidexis 4 image processing software update

The multi-award winning X-ray software Sidexis 4 helps practitioners to offer faster, safer and better treatments. The digital lightbox displays all image types seamlessly in one software. Presented at the IDS 2017, 3D X-ray images imported from third-party supplier systems can now be displayed. The Timeline offers an overview of the patient's entire history at a glance, and with the Compare function, images of treatment states from two different points in time can be easily compared. The integration of a sharpness controller for intraoral images, a newly designed 3D rendering feature and an intraoral template editor as well as the option of exchanging images in an existing series of intraoral images are all new features. Moreover, the previous connection for the Xios XG intraoral sensors has been completely revised. This helps users to achieve full integration of the intraoral data in Sidexis 4. All these new, user-friendly functions result in improved and more efficient treatment planning and patient communication.

App for mobile visualization of X-ray data: Sidexis iX

Sidexis iX is an iPad application that comes into its own in terms of patient communication. With the new update, version 3.5, it is now possible to visualize implants in 2D images to give patients an understanding of a possible implant treatment. Another major innovation that Sidexis iX will soon offer is comprehensive and, for the first time, real 3D functionality. Users not only have access to all 3D datasets in the Sidexis 4 database, but they can also interactively operate the 3D skull and navigate through all layers in an axial, transverse or coronal view.

Improved software integration for Xios Scan

The imaging plate scanner Xios Scan from Dentsply Sirona provides a gentle, easy introduction to the world of digital X-ray imaging. It enables users to switch to digital technology without the need for a darkroom and chemicals, while proven workflows go unchanged. The software components have been completely revised for the IDS 2017. Installation and diagnostics are thus far simpler.

Xios XG sensors now also with a network connection

The new Ethernet wall box from Dentsply Sirona was developed to connect intraoral sensors to the practice network. It enables higher transmission speeds so that intraoral X-ray data is available faster than before in the network, at the treatment chair for diagnostics and also for



patient communication. Xios XG sensors that are connected to the practice network via the wall box are easy to use in Sidexis 4.

Due to various certification and registration periods, not all products are immediately available in all countries.

Dentsply Sirona Imaging at the IDS 2017:

Hall 10.2, Stand O-010, Hall 11.2, Stand M-039 & M-029

IMAGES



Fig. 1: The new Low Dose mode enables 3D image information with a sufficient resolution to be achieved for certain indications using the dose associated with 2D images.

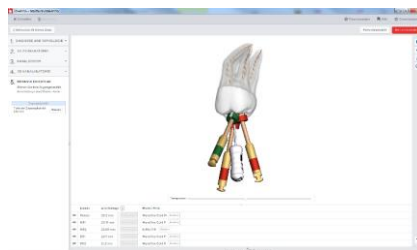


Fig. 2: 3D Endo is the first CBCT-based software for planning complex endodontic cases. It offers a 3D visualization of the anatomy of the root canals