



The Dental Company

Sirona Launches New CEREC® Software with Biogeneric Capabilities

- ***Easily and Precisely Reconstructs Natural Occlusion***
- ***Automatic Design Procedure is Fast, Reliable, and Compatible with all Restorative Indications***

Charlotte, NC (February 25, 2010) – Sirona Dental Systems, LLC (Nasdaq: SIRO), the company that pioneered digital impressions and dental CAD/CAM 25 years ago and the world’s leading producer of dental CAD/CAM and digital impression systems, is pleased to introduce user-friendly software developed for its CEREC® chairside system. The new software is based on Sirona’s patented Biogeneric technology.

Like fingerprints, no two human teeth are identical and each tooth has its own unique characteristics. A group of researchers led by Professor Dr. Albert Mehl (Zurich University) and Professor Dr. Volker Blanz (Siegen University) have unraveled the rules that shape natural teeth, and these rules are based on a patient’s genetic makeup. Sirona has harnessed this understanding into the new Biogeneric CEREC 3D software.

Version 3.8 of the CEREC software enables dentists to create lifelike reconstructions – even while working with completely damaged occlusal surfaces. On the basis of a single intact tooth, the program extrapolates the natural morphology of that tooth to the patient’s damaged tooth structure. CEREC 3.8 software can be used for all single-tooth restorations and for three-unit bridges.

“Biogenerics is based exclusively on the patient’s individual dentition status,” remarked Professor Mehl. “This is a major advantage in terms of clinical reliability. The more individual the occlusion, the better the resulting functionality.”

Currently, all occlusal design approaches are based on limited dental libraries and databases containing data records of various standard teeth. Conventional CAD/CAM programs retrieve a matching tooth from the archive, and then generate a design proposal for the given clinical situation. The user then manually edits and adapts this proposal. No objective principles exist to justify

this selection, and using matching databases can be subjective and time-consuming.

Explains Professor Mehl, “These standardized teeth are comparable to off-the-rack garments manufactured in standard sizes. Frequently, such garments do not fit properly in all places and require subsequent alteration. By contrast, a biogenetically designed tooth is a made-to-measure product; ‘tooth couture,’ if you will.”

“Biogenetics will revolutionize occlusal surface design,” remarked Bart Doedens, Vice President, Dental CAD/CAM Systems at Sirona. “With a single mouse click, the user will obtain a natural and individually designed restoration that requires hardly any manual adjustment. Such made-to-measure restorations are simpler, quicker, and, above all, more precise than their ‘off-the-rack’ equivalents.”

The Biogenetic design feature will replace the “dental database” feature in previous CEREC software versions. With Version 3.8, it will be possible to easily create crowns, veneers, and anatomically sized bridges. The user will simply require an intact reference tooth of the similar type – i.e., anterior or posterior.

The time-consuming process of selecting tooth morphology from dental databases has been virtually eliminated. Moreover, due to the standardized and largely automated routines, the software is easy to learn and use.

For more information about any of Sirona’s CAD/CAM and digital impression solutions or to schedule a free demonstration, call your local Patterson branch, 800-873-7683, or visit www.cereconline.com.

About Sirona Dental Systems, LLC

Sirona, the dental technology leader, has served dealers and dentists worldwide for more than 130 years. Sirona develops, manufactures, and markets a complete line of dental products, including CAD/CAM restoration systems (CEREC); digital intraoral, panoramic, and 3D imaging systems; dental treatment centers; and handpieces. Visit <http://www.sirona.com> for more information about Sirona and its products.

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