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## **New Workflow from Carestream Dental Improves Predictability and Gives Doctors More Confidence When Placing Implants**

**[NEW YORK CITY]**—Carestream Dental has always provided doctors with solutions to their most pressing concerns—how to easily achieve predictable outcomes for implant treatment being one of them. Therefore, Carestream Dental has introduced CS Solutions for Implants, a digital integrated implant solution to support more confident diagnoses, improved treatment planning, better patient/referral communication and greater confidence when placing implants.

“CBCT volumes and digital impressions give doctors a 360 degree view of the bone and soft tissue situation in stunning 3D for better diagnostics,” Ed Shellard, D.M.D., vice president, sales and marketing, Carestream Dental, said. “However, that’s just the first step. This new solution takes treatment planning to the next level by combining state-of-the-art 3D technologies with the practice of prosthetic-driven implant planning.”

Prosthetically driven implant planning starts by combining the data sets from a digital impression taken by either the CS 3500 or CS 3600 intraoral scanner and a CBCT scan by either the CS 8100 3D extraoral imaging system or CS 9300 system. The two scans are automatically aligned in CS 3D Imaging software to create a virtual set-up with little to no manipulation from the doctor.

Next, a new Prosthetic-Driven Implant Planning module of CS 3D Imaging allows doctors to virtually plan the crown and implant on the same screen to ensure that the implant is positioned according to the ideal future restoration and not the other way around. Doctors add the crown to the combined scanner/CBCT datasets and place the implant from a library featuring more than 60 manufacturers. They can also create their own implants and manage their own library.

“The prosthetic-driven planning function of CS 3D Imaging software helps doctors make better decisions about optimal crown and implant position, which leads to more control over the final clinical and aesthetic outcomes,” Marianne Belcari, global product line manager, CS Solutions, Carestream Dental, said “Not to mention, since the restoration and implant are visualized within the same software, it makes for more efficient planning.”

CS Solutions for Implants is an open system, so data can also be exported<sup>1</sup> into third-party software for the creation of surgical guides and digital impression files can be shared with the lab of choice for the creation of abutments and restorations.

“From 3D scans to the finished surgical guide, CS Solutions for Implants is a fully integrated and digital solution for implant treatment,” Shellard said. “The digital workflow improves efficiency by eliminating many treatment steps and appointments and improving collaborative planning. Not only that, the accuracy of digital leads to more predictable results.”

The CS 3500 and CS 3600 intraoral scanners make creating digital impressions easy. The CS 3500 has been recognized by the American Dental Association for its accuracy<sup>2</sup>, while the CS 3600, Carestream Dental’s newest scanner, features high-speed continuous scanning and an Intelligent Matching System that allows users to fill in any missing information in the dataset.

The CS 8100 3D features 3D imaging, panoramic imaging and model scanning—all in one unit—and boasts the smallest footprint of any 3D system. The CS 9300 can provide 3D exams at up to 85 percent lower dose than traditional 2D panoramic imaging while in Low Dose mode<sup>3</sup>. Both units offer multiple fields of views to support a wide variety of clinical applications.

CS 3D Imaging software allows users to easily review CBCT images and share with referrals, as well as to plan implants. With its latest version, users can also generate implant reports in a single click. All 3D data from Carestream Dental’s CBCT units and intraoral scanners are stored centrally in a single imaging software to facilitate data management.

For more information about CS Solutions for Implants, or any of Carestream Dental’s innovative products, call 800.944.6365 or visit [www.carestreamdental.com](http://www.carestreamdental.com).

<sup>1</sup>Work in progress, integration with third-party software available in early 2017

<sup>2</sup>Hack, Gary D., D.D.S., and Sebastian B.M. Patzelt, D.M.D., Dr Med Dent. “Evaluation of the Accuracy of Six Intraoral Scanning Devices: An In-Vitro Investigation.” *ADA Professional Product Review* Sept. 2015: 1-5 Print.

<sup>3</sup>Based on study by John Ludlow, University of North Carolina, School of Dentistry, utilizing the CS 9300 low dose protocol, June 2011.

## About Carestream Dental

Carestream Dental provides industry-leading imaging, CAD/CAM, software and practice management solutions for dental and oral health professionals. With more than 100 years of industry experience, Carestream Dental products are used by seven out of 10 practitioners globally and deliver more precise diagnoses, improved workflows and superior patient care. For more information or to contact a Carestream Dental representative, call 800.944.6365 or visit [www.carestreamdental.com](http://www.carestreamdental.com).

## About Carestream Health

Carestream is a worldwide provider of dental and medical imaging systems and IT solutions; X-ray imaging systems for non-destructive testing and advanced materials for the precision films and electronics markets. For more information about the company’s broad portfolio of products, solutions and services, please contact your Carestream representative, call 888.777.2072 or visit [www.carestream.com](http://www.carestream.com).

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