

FOR IMMEDIATE RELEASE: Nov. 16, 2020

Media Contact

Amanda Gong, Carestream Dental
470.481.6797
amanda.gong@csdental.com

In-House Aligners Now Possible with CS Model+ Update from Carestream Dental

ATLANTA—The latest version of CS Model+ v5, with its advanced algorithms and artificial intelligence (AI), now helps practices meet patient demands and respond to industry trends with the ability to design affordable clear aligners right in the office.

In addition to empowering clinicians to offer chairside aligners when it's most convenient to both the clinician and the patient, this update makes CS Model+ v5 even more intuitive with the addition of new features such as "degree of difficulty" case ranking; automatically generated intermediate treatment steps; IPR suggestions; and a library of attachments.

For more straightforward treatment planning decisions, CS Model+ v5 uses AI to rank a case's degree of difficulty. The case complexity index is an exclusive feature to CS Model+ v5 that guides doctors through the level of difficulty of the case with an easy-to-understand color code system, from green (simple and straight forward) to red (outside the clinically proven capabilities of aligners). For teeth that are indicated as more difficult, doctors can always take a deeper dive and obtain more details about the case situation for greater insight.

Since patients don't always understand why they wouldn't be a good candidate for aligners, the color-coded teeth on the virtual model makes it easier for clinicians to explain why more conventional methods might be necessary. If the patient is a good candidate, CS Model+ lets the clinician play a video that shows their treatment progressing through the steps—a great tool for patient communication, helping them fully understand their treatment journey.

"Patients have come to expect a certain level of customization and convenience everywhere they go, including their doctor's office," Ed Shellard, D.M.D, chief dental officer, Carestream Dental, said. "Clear aligners are one way clinicians can offer that 'bespoke' service that patients are seeking; they love that it's their teeth they see moving on the screen and how quickly they can start treatment—sometimes same day."

What makes this latest version of CS Model+ unique is its ability to automate much of the case, reducing manual input from the clinician. For example, if interproximal reduction (IPR) below 0.2 mm per side is indicated at the beginning of treatment, the software automatically manages the first step. If the amount of space needed exceeds 0.2mm per side, or if the clinician prefers to perform interproximal reduction later, the IPR table can be modified and the steps will automatically be regenerated.

The software also automatically generates intermediate treatment steps based on clinician-indicated constraints, so there's no need to manually create each individual step. From there, an editable gallery lets clinicians preview models and the complexity of each step, so they have absolute clarity and confidence about the case.



Should attachments be needed for a clear aligner case, CS Model+ v5 provides a library of attachments with different options for rotation, extrusion-intrusion, torque or even combined movements. A single click on a tooth and the attachment is automatically placed in the center and can be moved or modified as needed. While automation is a key part of the update to CS Model+, clinicians remain in full control and can place or remove attachments at any stage of the treatment process.

Once the case is ready, doctors can choose to have designs sent to a lab or, for an even more complete end-to-end workflow, print in-house with any third-party FDA approved 3D printer. To simplify printer selection, 3D Systems, SprintRay, RapidShape and Formlabs are all validated for use with CS Model+ to fabricate aligners in-house.

CS Model+ v5 is part of Carestream Dental's CAD/CAM portfolio, CS Solutions, which lets practices combine the solutions—from intraoral scanners to extraoral imaging systems to software—that work best for their practice and patients. In-house aligners are an affordable solution that keep the clinician in complete control over the case. The speed at which they can be delivered and the personalized touch the clinician can add by keeping patients in-house lets them easily compete with big name brands.

To learn more about CS Model+ v5, CS Solutions or any of Carestream Dental's innovative solutions, visit carestreamdental.com.

###

About Carestream Dental

Carestream Dental is committed to transforming dentistry, simplifying technology and changing lives. In this pursuit, we focus on providing the latest in high-quality scanning technology, the smartest chairside systems, the most intuitive practice management software, incredibly accurate imaging software and the data intelligence that helps continually refine patient outcomes. And we offer these solutions for the full range of dental and oral health professionals. For more information please visit carestreamdental.com.

