Fix top disruptor of CBCT 3-D image quality

By Planmeca Staff

There has been a disruption in the capture of dental images, but remain CALM. Planmeca has the solution.

The No. 1 disruptor of image quality for dentists is patient movement. During a dentist appointment, a doctor may need to take several 3-D X-ray scans to get a single image of diagnostic quality.

Often a child, an individual with special needs or an elderly patient is challenged to remain still. This may result in the patient being X-rayed multiple times, which adds more time to the appointment and frustration for patient and doctor, not to mention the concern of additional exposure to radiation.

We created Planmeca CALM™ (Correction Algorithm for Latent Movement), a proprietary Planmeca algorithm, to address doctors’ concerns over patient movement during a 3-D scan. With Planmeca CALM, our CBCTs can analyze and compensate for the slight movement that can occur during a scan to provide improved diagnostic quality images.

Minimize retakes, improve diagnosis

This feature (available for every new Planmeca ProMax® 3-D imaging system) will streamline the imaging process, minimizing retakes while improving diagnosis. The key benefit to patients — fewer retakes equals less radiation while achieving better diagnostic images.

“Dentists evaluating CBCT machines for purchase should focus critically on each manufacturer’s solutions for stabilizing the patient in the machine,” said Dale A. Miles, DDS, MS (Inside Dentistry, May 2017).

Compensates for movement

Planmeca CALM addresses this doctor requirement as it can compensate for slight movement to produce diagnostic quality images.

Planmeca CALM is available on new Planmeca ProMax 3D imaging systems or as an upgrade for existing units — check with your authorized Planmeca dealer. Our advanced imaging systems provide detailed and accurate 3-D scans of patients — children and adults.

Complete line of cone beam computed tomography systems

The Planmeca ProMax 3D family consists of a complete line of CBCT (cone beam computed tomography) imaging systems with optional digital 2-D panoramic and cephalometry in the same unit. Technology is transforming dentistry. The Planmeca CALM imaging algorithm is one of the latest examples of how dental innovations are improving patient safety and comfort — while at the same time improving the clinician’s workflow.
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