Capturing the right image

By Carestream Dental

Over the past few decades, there have been advances in all branches of dentistry, such as the further development and increasing provision of dental implants and the use of a broader range of orthodontic treatments. These improvements have led to the need for diagnostic tools that are more precise, enabling more detailed and accurate imaging within the dental practice. For this reason, many dental professionals have moved away from the use of analogue radiography and have incorporated digital imaging systems into the practice instead.

Benefits of digital imaging in dentistry

The use of digital imaging systems within dental practices has many benefits. For example, these systems make the acquisition of images faster and easier, which is better for both the dentist and the patient. There is also a lower radiation dose compared to film-based radiography. In addition, the variety of digital imaging equipment that is available can help with the wide range of tasks that are required within a practice, ranging from the diagnosis of dental diseases to the provision of dental implants.

The best system for the job

As dental practices can offer a broad range of treatments, it is necessary to have a digital imaging system that has the capability to provide the appropriate type of image. The digital imaging systems available for dentistry include both 2D and 3D systems, with options for panoramic imaging and cephalometric imaging. While 2D digital imaging systems are suitable for general dental practice, 3D systems are valuable when it is desirable to have additional detail for more advanced diagnosis and treatment planning, such as in the case of traumatic injuries or implantology.

A family of digital imaging systems

The CS 8100 family of digital imaging systems provided by Carestream Dental encompasses this wide range of needs. The CS 8100 family was named The Dental Advisor’s Top Panoramic Imaging System of 2014, with a 99% rating and an Excellent Five Plus designation and it has been supplied to well over 10,000 dental professionals. The family includes the CS 8100 unit that offers 2D panoramic imaging, the CS 8100 SC system that combines both 2D panoramic and cephalometric imaging, and the CS 8100 3D and CS 8100 3D SC systems that provide the benefits of sophisticated 3D technology.

The CS 8100 system minimizes spinal column shadows to produce clear and sharp high-quality images that are ready for view in just 10 seconds. Compared to other traditional panoramic units, the CS 8100 features a wider and thicker focal trough.

The CS 8100 SC system offers one compact and easy-to-use system, and it is ideal for everyday orthodontic treatment. It offers very fast cephalometric scanning in as little as three seconds.

The CS 8100 3D system provides the benefits of 3D technology in one versatile system that covers a broad range of applications. It is ideal for daily use and it can capture accurate 3D images in seven seconds. The CAD/CAM abilities make it useful for a range of tasks, from traditional panoramic examinations to endodontics, implant planning, oral surgery and orthodontic applications. This system includes feature-rich imaging software that helps with the analysis of the images and has multiple sharing options (e.g. email and USB). The option of cephalometric scanning is also incorporated with 3D technology in the CS 8100 3D SC system.

Systems that are ideal for every practice

The range of options in the CS 8100 family means that there is a system suitable for every practice. As all of the units have the benefit of being ultra-compact, they can easily fit into tight spaces within almost any practice. In addition, they are accessible to all users and require minimal training, and can be easily integrated with the practice’s current processes for a streamlined workflow.

As the CS 8100 digital imaging family of units from Carestream Dental combines the most advanced, sophisticated imaging technology in an easy-to-use system, images can be captured in just seconds, which not only allows the dentist to spend less time waiting for images and more time caring for patients but also helps in the provision of a broad range of treatment options.

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