Dr. Sangiv Patel & the Smile Gallery

Founder of the "The Innovative Smile"

Dr. Sangiv Patel Features High Tech Digital 3D Cone Beam CT CBCT

The increased use of Digital 3D x-rays (Cone Beam CT-CBCT) is revolutionizing and replacing the decades old standard for dental case planning - traditional two dimensional x-rays. 3D CBCT imaging allows a precise replication on an accurate 1:1 scale with crystal clarity to visualize all the critical anatomy, restorations and possible disease and pathology in the teeth and jaws including the TMJ's and sinuses. It has eliminated the overlapping, magnification and distortion of images from traditional 2D images.

The Kodak 9000-3D CBCT yields accurate images up to 1/10th of a mm. in accuracy, meaning we can see all of the teeth, bones, nerves, sinuses and critical structures in 3D as well as in individual slices that are just three quarters of a mm thick. The Kodak 9000-3D CBCT also has capacity to perform virtual surgery and create precise surgical guides.

NO LONGER GUESSWORK

Treatment planning for procedures such as Dental Implants, Bone Grafting, Root Canals, Oral Surgery, Wisdom teeth and Periodontal treatments including surgery is no longer guesswork. The dentist is now empowered to approach each individual patient's situation and condition with multiple approaches, then select the one that resolves the patient's problem and meets the patient's expectations with the least invasive most predictable solution.

MEASURED RADIATION EXPOSURE

All CBCT imaging machines expose the patient to radiation and it is always prudent to minimize the radiation exposure for the patient with each scan. There are several ways to achieve this goal. First, the patient should be conscious of the amount of radiation that the specific CBCT machine emits per scan. A downloadable PDF can be found at www.DrSPatel.com for a comparison of different machines. Second, the patient should request a focused field of view machine.

This means that the doctor can focus a study on the area that needs attention such as a section of the mouth or one TMJ, thus limiting the field and total dosage of radiation delivered to the patient. Third, the patient should request a high resolution image at 76 microns to insure the greatest clarity for the best diagnosis and without an increase in the amount of radiation exposure.

The Kodak 9000-3D CBCT's versatility to change to different size fields of view will also benefit the patient in terms of cost. The confidence generated by competent case planning for patients by the doctor utilizing the Kodak 9000-3D CBCT technology has become an invaluable tool in daily practice. With this technology, the dentist can truly minimize procedural risks and generate better post operative results and most importantly, create longevity for the patient's dental health.

The Smile Gallery
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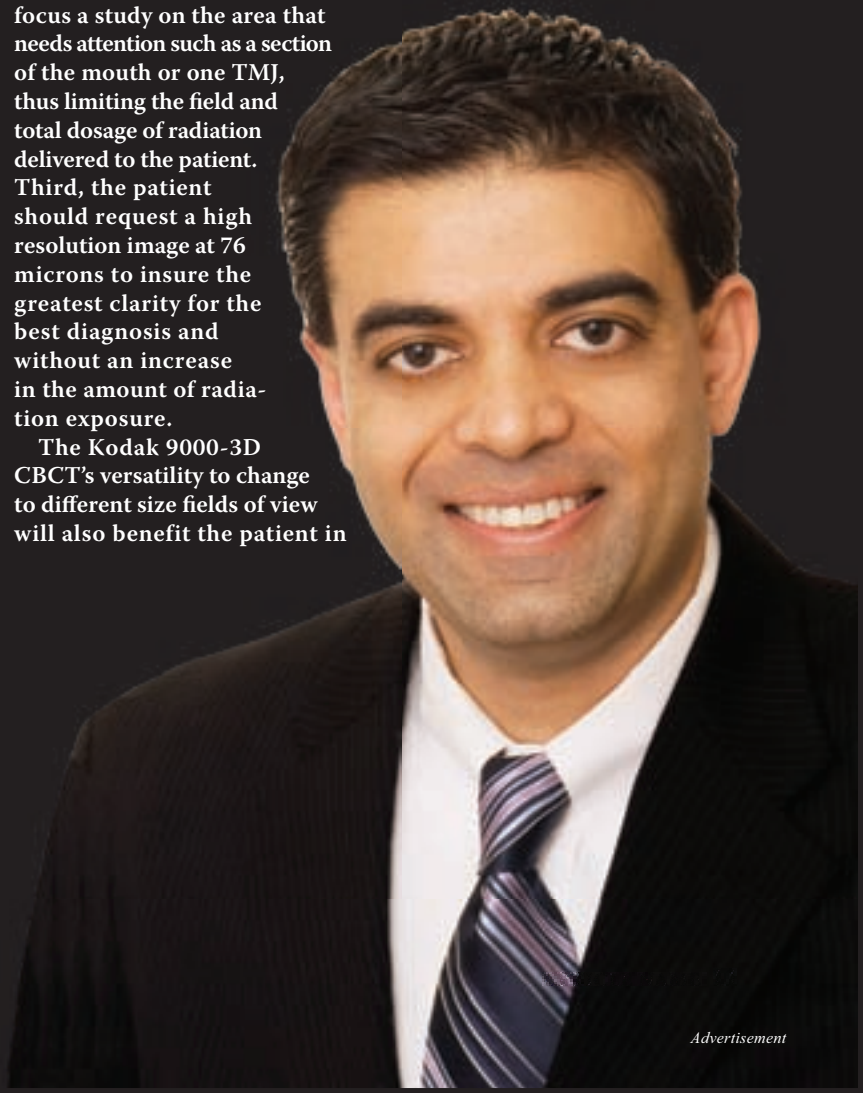

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