ICOI's Winter Symposium will take place at the Bellagio Hotel in Las Vegas from Feb. 10–12. (Photo/Provided by ICOI)

**Intro to CBCT**

*Especially as it pertains to prevention of failures in oral implantology*

By Dov M. Almog, DMD

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They are not efficient for viewing certain pathologies and, because of the limitations, cone-beam computed tomography (CBCT) 5-D imaging technologies started to evolve. CBCT 3-D captures a volume of data and, through a reconstruction process, it delivers images that do not contain magnification, distortion and/or overlap of anatomy.

In recent years, CBCT 3-D started to make big inroads into every discipline in our dental profession, expanding the horizons of clinical dental practice by adding a third dimension to craniofacial treatment planning.

CBCT uses advanced 3-D technology to provide the most complete anatomical information on a patient’s mouth, face and jaws areas, leading to enhanced treatment planning and predictable treatment outcomes.

According to dental practitioners using this technology, it makes us more efficient. Essentially, this was a paradigm shift where measurements and anatomical relationships are precise and provide practitioners clear insight into the patient’s anatomical relationships.

As far as oral implantology, according to Kalorama Information (www.kaloramainformation.com/pub/1099235.html), it is estimated especially as it pertains to prevention of failures in oral implantology.

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