

# Dentistry & Oral Care

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## Cone Beam CT: A new eye to view dental pathologies

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Imaging in dentistry has always been an important aspect in assessing the dental diseases in conjunction with clinical assessment. CBCT (cone beam computed tomography) ideal in capturing images of hard tissues especially in the maxillofacial region has revolutionized the imaging modality in dentistry from conventional 2D IOPAs to 3D scans and is of great use in all the fields of dentistry. It has also expanded its role of imaging, from only diagnosis to guiding various operative and surgical procedures. In endodontics, Identify anatomic and pathologic alterations, Iatrogenic root perforation, Internal & external resorption, Accessory canal identification, Vertical root fractures and surgical management of fractured instrument. Dental Trauma CBCT identifies dental root fractures and the displacement, luxation injuries & avulsion. Dental Implant CBCT provides information concerning all structures (the mandibular and alveolar bone morphology, the maxillary sinuses, incisive canal, mandibular canal, and mental foramina). Cysts/Tumors/Acute Infections, CBCT shows the actual size of the lesion, its spatial relationship with anatomic landmarks and how far the lesion may extend from the oral cavity into the base of the skull, cervical, spine, paranasal sinuses or nasopharynx. Orthognathic Surgery for complex cases, particularly those requiring combined orthodontic/surgical management, CBCT may be justified. Orthodontics CBCT offers an undistorted view to accurately visualize both erupted and non-erupted teeth, tooth root orientation and anomalous structures. Temporomandibular Joint Fibrous and bony ankylosis, tumors and tumor-like conditions in the region of the TMJ are also well seen with CBCT.

### Biography

Deepti Dhodi is a cosmetic dentist with her private practice in New Delhi. She has done her graduation in 2005 from B.J.S Dental College, hospital and research institute, Ludhiana, Punjab. She has done her residency in 2007 from Guru TegBahadur Hospital (Govt. of Delhi). She worked as Associate Dentist with Indraprastha Apollo Hospital, New Delhi. She is the silver member of IDA. She has completed her advanced aesthetic course from Smile India; one of the premier institutes in continuing dental education in India. She actively participates in the oral health care camps organized by IDA in association with Colgate. She also conducts oral health workshops and talks in the primary schools to create dental awareness among children. She has presented many papers latest being the one in Annual conference of IAACD (Indian academy of aesthetic and cosmetic dentistry) in 2015.

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