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Cone-beam CT (CB Throne®) Applied to Dentomaxillofacial Region

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Abstract: Cone-beam CT (CBCT) systems specifically designed for hard-tissue imaging of the maxillofacial region have recently become commercially available. The newly-developed CBCT system, CB Throne® (Hitachi Medical Corp., Tokyo), is characterized by a number of features such as low dose, sub-millimeter spatial resolution, and a small footprint. This system has been clinically applied at Chiba Hospital, Tokyo Dental College, since April 2005. This article reports the characteristics of this system, and its diagnostic power for maxillofacial lesions and the pre-operative planning dental implants.

Key words: [Cone-beam CT](#), [Anatomical depiction](#), [Clinical cases](#), [Dental implant planning](#), [Maxillofacial region](#)

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