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## CBCT - A Digital Era in Prosthodontics

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### ABSTRACT:

Cone Beam Computed Tomography (CBCT) has evolved as a most commonly used tool for dental and maxillofacial imaging, providing three-dimensional (3D) insights that were previously unattainable with traditional radiography. This technology has become a cornerstone in prosthodontic treatment planning, offering precise visualization of hard and soft tissue structures. This article explores the role of CBCT in enhancing prosthodontic workflows, focusing on applications such as implant placement, evaluation of bone quality and quantity, temporomandibular joint (TMJ) analysis, and assessment of complex maxillofacial cases. By having "CBCT at our fingertips," prosthodontists can achieve improved accuracy, reduced treatment risks, and optimized patient outcomes. We also discuss the limitations and ethical considerations associated with CBCT usage in clinical practice. This article delves into the various clinical applications of CBCT in prosthodontics, emphasizing its transformative role in modern dental practices.

**Keywords:** CBCT, imaging, implant planning, maxillofacial prosthodontics.

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