

Principals of CBCT – Dosimetry

Dosimetry of the Kodak 9000 3D small FOV CBCT and Panoramic Unit

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Technique	Effective Dose in μSv	Dose as multiple of typical Panoramic Dose†	Days of per capita background
Max Right Posterior	9.8	0.4	1
Max Anterior	5.3	0.2	1
Mand Left Posterior	38.3	1.6	5
Mand Anterior	21.7	0.9	3
PBW	22.8	0.9	3
Panoramic	14.7	0.6	2



†24.5 μSv – Planmeca Promax digital panoramic device

Conclusions: The Kodak 9000 3D provides doses that are substantially lower than previously reported doses produced by medium and large FOV CBCT units. The digital panoramic mode provides a low dose alternative for panoramic examinations of the jaws using the same unit.