

Table 1 All parameters of five different CBCT protocols

ID protocol	FOV size selection mm	Quality selection	kVp	mA	Acquisition TIME (sec.)	Note
1	240x190	high resolution	95	5	24	(prot. reference)
2	240x190	high resolution	80	5	24	
3	240x190	normal resolution	80	5	15	(prot. low dose)
4	160x140	high resolution	95	5	24	
5	120x90	high resolution	95	5	24	

Table. 2 All parameters for panoramic and cephalometric images in lateral and antero-posterior projections

Acquisition	Protocol	kVp	mA	Time acquisit (s)
	Adult	71	8	13
Panoramic	Pediatric	60	6	13
	Adult	84	13	16
Lateral projections	Pediatric	73	15	16
	Adult	84	13	16
Antero-posterior projections	Pediatric	73	15	16
	Adult	84	13	16
Total	Pediatric	73	15	16

Table. 3 DAP measurements for five different CBCT protocols

ID protocol	FOV size selection mm	Quality selection	kVp	mA	DAP (display) mGy·cm ²	DAP (media measure) mGy·cm ²	Diff %	Acquisition TIME (sec.)	Note
1	240x190	high resolution	95	5	1837	1556	18.1	24	(prot. reference)
2	240x190	high resolution	80	5	1761	1013	73.8	24	
3	240x190	normal resolution	80	5	1093	628	74.2	15	(prot. low dose)
4	160x140	high resolution	95	5	117.9	988	-88.1	24	
5	120x90	high resolution	95	5	0 ?	1162	-	24	

Table.4 DAP measurements for panoramic and cephalometric images in lateral and antero-posterior projections

Acquisition	Protocol	kVp	mA	Time acquisit (s)	DAP (media measure) mGy·cm ²
Panoramic	Adult	71	8	13	36
	Pediatric	60	6	13	19
Lateral projections	Adult	84	13	16	47
	Pediatric	73	15	16	40
Antero-posterior projections	Adult	84	13	16	40
	Pediatric	73	15	16	35
	Adult	84	13	16	123
Total	Pediatric	73	15	16	94

