

Table 1 A comparison of the effective dosages and background equivalent of different sources of dental radiation

Radiographic source	Effective dose (μSv)	Dose as % annual background radiation
Cone beam CT		
3D Accuitomo (1½ inch) ^a	7.3	0.2
i-CAT ^b (12 inch FOV)	134.8	5.4
i-CAT ^b (9 inch FOV)	68.7	1.9
Conventional CT		
Conventional CT ^c	1400 (maxilla)	38.9
	1320 (mandible)	36.7
Conventional radiography		
Periapical ^c	5	0.14
Panoramic ^d	6.3	0.2
Cosmic radiation on board an aircraft flying a round trip between Paris-Tokyo ^e	150	4.2

^aArai *et al.* (2001).

^bLudlow *et al.* 2006.

^cNgan *et al.* (2003).

^dLudlow *et al.* (2003).

^eBottollier-Depois *et al.* (2003)

CT, computer tomography.