

## Planmeca ProOne effective doses

Effective doses measured according to ICRP 2007

### Planmeca ProOne panoramic exposure

	kV/mA/s	μSv
Panoramic adult	66/7/9.5	6.4
Panoramic child	64/7/8.2	3.4
BW panoramic adult	70/6/8.5	2.9
Lat TMJ adult	68/7/5.2	2.6

The doses are measured with recommended exposure values for medium (M) size patient if not otherwise stated.

**Note.** All dose measurements were made according to ICRP 2007 using the protocol described by Koivisto et al (1). The effective doses were obtained from measured organ doses using the revised guidelines given by the International Commission on Radiological Protection (ICRP 103) (2).

1. Koivisto J, Kiljunen T, Tapiovaara M, Wolff J, Kortensniemi M. Assessment of radiation exposure in dental cone-beam computerized tomography with the use of metal-oxide semiconductor field-effect transistor (MOSFET) dosimeters and Monte Carlo simulations. *Oral Surg Oral Med Oral Pathol Oral Radiol.* 2012 Sep; 114(3):393-400.
2. International commission on Radiological Protection (ICRP). Recommendations of the ICRP. ICRP Publication 103. *Ann ICRP* 2008; 37:2-4.
3. Koivisto J., Kiljunen T., Wolff J. and Kortensniemi M. Characterization of MOSFET dosimeter angular dependence in three rotational axes measured free-in-air and in soft-tissue equivalent material, *Journal of Radiation Research*, 2013, 00, 17 doi: 10.1093/jrr/rrt015