Effective Dose Information:

**** Such doses are negligible; therefore, the dose of radiation should not be a concern when considering the use of PedCAT imaging for foot/ankle examination.

Technique	Effective Dose in microseverts **(µSv)**
Daily Background	8 per day (or 3000 µSv per year) **
Difference of daily background for high altitude locations (i.e: Denver) vs. sea level	50% more per day (or 1500 µSv more per year) **
Coast to coast round trip airline flight	30 **
PedCAT Cone Beam CT, medium FOV scan (one foot)	**2 **** **
PedCAT Cone Beam CT, large FOV scan (two feet)	**5**
Medical MDCT of the lower extremity (foot & ankle)	1000 ***
Chest Film X-ray	100 **
Extremity Film X-ray	1 **
Medical CT of Chest	7000 **
Dental Medium FOV Medical CT scan (Sonatom 64 slice)	860 *
Dental Panoramic (OrthoPhos Plus DS)	32.2 *
Dental Full Mouth Series (Average of various techniques)	50 *
Dental Cone Beam CT exam (i-CAT, medium FOV)	87 *

References:
***Comparative dosimetry of dental CBCT devices and 64-slice CT for oral and maxillofacial radiology**
John B. Ludlow, DDS, MS, FDS RCSEd,a and Marija Ivanovic, PhD,b Chapel Hill, North Carolina
UNIVERSITY OF NORTH CAROLINA
****RadiologyInfo.org** developed jointly by American College of Radiology and Radiological Society of North America.
www.radiologyinfo.org
*****Nagel HD. **Dose values from CT examinations.** In: Nagel HD, ed. Radiation exposure in computed tomography. Hamburg, Germany: CTB Publications, 2002:15 -24
******Report on CurveBeam CBCT Foot Dosimetry
John Ludlow, DDS, MS, FDS RCSEd

CurveBeam practices the **ALARA** standard. (dose "as low as reasonably achievable"). We recommend the use of lead aprons for the patient during all scan procedures.