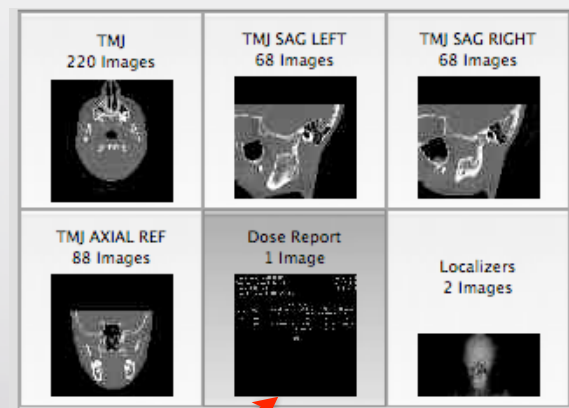



Radiation Exposure Comparison

Daily Background/day	0.008 mSv
Panoramic	0.02 mSv
1 Trans Atlantic Flight	0.03 mSv
Chest Film	0.1 mSv (0.1-0.2 mSv)
i-CAT Head	0.1 mSv
Full Mouth Series Digital	0.12 mSv
Full Mouth Series F Speed	0.17 mSv
Conventional CT Head	0.5 mSv
Spiral CT Head	2.7 mSv
Daily Background/year	3.1 mSv/year
Airline Crews (additional)	4.6 mSv/year
Highest Safe Dose (public)	20 mSv/year
Max Safe Exposure US Worker	50 mSv/year
Exposure that can lead to Cancer	100 mSv/year
Japanese Government Safe Level (After Fukushima 2011 Disaster)	250 mSv/year

Comparison conversions done by John R Droter DDS
Gy converted to Sv using 1mGy/cm head = .0022mSv

Gy= Gray (Joules/kg)
Sv=Sievert (Joules/kg)



Spiral CT Dose Report  Dose Length Product
1244 mGy/cm x .0022 = 2.7 mSv

Spiral CT 27x more than CBCT, but about half of airline crews yearly exposure.
Radiation is cumulative over lifetime.
Safe dose of a harmful substance?
MRIs have no Radiation.