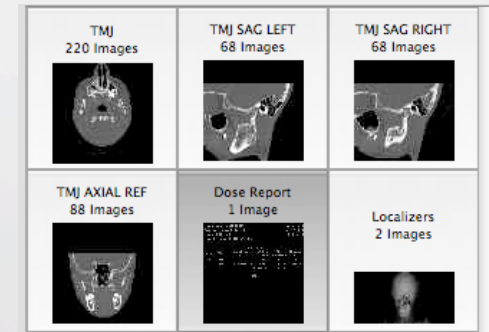


Radiation Exposure Comparison

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
Airline Crews	4.6 mSv/year
Highest Safe Dose	20 mSv/year
Max Exposure US Worker	50 mSv/year

Spiral CT 27x more than CBCT, but about half of airline crews yearly exposure.



Spiral CT Dose Report
 $1244 \text{ mGy/cm} \times .0022 = 2.7 \text{ mSv}$

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

MRIs have no Radiation.
 Radiation is cumulative over lifetime.
 Safe dose of a harmful substance?