

X-Ray Shielding Review Procedure Information for Qualified Experts

February 2012

- ❖ All facilities planning to install any x-ray machine capable of CT reconstruction having a typical 'ring' detector doughnut must submit a shielding plan (this includes mobile CT).
- ❖ Dental (iCat-type) cone beam pan/CT units do not need to go through plan review. We shall require that these units must be installed in a semi-enclosed room (standard wallboard construction is adequate) conforming to our standard patient viewing and exposure switch placement requirements.
- ❖ Cone beam CT units (used for medical) must go through shielding review.
- ❖ We are establishing minimum workloads for: rad room bucky (5pts/wk), rad room table (5pts/wk), and chiropractic (10 pts/wk).
- ❖ All mobile milli-amperage capable c-arms that are used in one room only must have a plan review. Micro-amperage (mini) c-arms are exempt.
- ❖ All control booths must be shielded with **at least** 2 pound lead.
- ❖ If any lead is called for by calculation it shall be **at least** 2 pound lead. The use of 1 pound lead is prohibited.