

PROPOSED USE OF X-IRRADIATOR ON HUMANS
DIAGNOSTIC AND/OR THERAPEUTIC PROCEDURES

INSTRUCTIONS: Original and 15 copies should be completed and submitted to the Radiation Safety Office. Answer all questions to the best of your knowledge. Be prepared to make a report of the study to the Radiation Safety Committee. A current Personal Data Form must accompany this application or be on file in the Radiation Safety Office.

NAME _____ DATE _____

1. Irradiator Type _____
2. Irradiator Location _____ Use Location _____
3. kVp _____ mA _____ Time _____ # Of Films _____
4. Field Size _____ Source-Skin Distance _____
5. Skin to Critical Organ Distance _____
6. Primary Critical Organ _____
7. Secondary Critical Organ _____
8. Dose to Primary Critical Organ Per Irradiation _____ Rad
9. Dose to Primary Critical Organ Per Study _____ Rad
10. Dose to Secondary Critical Organ Per Irradiation _____ Rad
11. Dose to Secondary Critical Organ Per Study _____ Rad
12. Dose to Whole Body Per Study _____ Rad
13. Show calculations of items #8, #9, #10, #11 and #12 on separate sheets of paper. State any assumptions and reference all constants.
14. What is the purpose of this study? _____

15. Describe on a separate sheet the plan of investigation. Include the following:
 - a. Complementary drugs to be used and why.
 - b. Number of controls, age range, and sex.
 - c. Number of research subjects, age range, and sex.
 - d. Will pregnant women be tested? If so, why? How will testing of pregnant women be prevented?
 - e. Duration of study.
 - f. Describe any unusual hazards in handling and what precautions will be taken.
 - g. Reference to similar studies.
16. Volunteers should know the intent of the study and the effect of radiation. Will volunteers be given this information? Yes _____ No _____. If not, state why not.