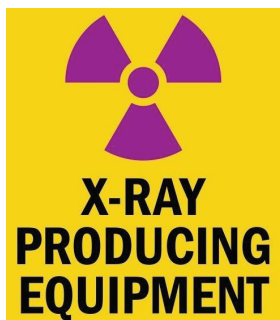


X

-ray producing devices produce ionizing radiation when energized. These devices are used at USC for diagnostic, therapeutic, and analytical purposes. They include X-ray machines, electron microscopes, CT scanners, fluoroscopes, and linear accelerators.

DO I HAVE TO REGISTER MY X-RAY PRODUCING DEVICE?

Yes. The Radiation Safety Office will register the unit California Department of Public Health-Radiologic Health Branch (CDPH-RHB). CDPH requires registration of X-ray producing devices as well as a formal program that encompasses hazard communication, training, PM services, and shielding plans.



HOW DO I REGISTER MY X-RAY PRODUCING DEVICE?

Complete and submit Radiation-Producing Machine (RPM) Registration form (<http://tiny.cc/X-Ray-Registration>).

DO I NEED AUTHORIZATION BEFORE USING A RADIATION-PRODUCING DEVICE?

Yes. Complete and submit the [RUA application](#) on [iStar](#) before you purchase an X-ray producing device. The Radiation Safety Committee will review the unit specification and uses. Additionally, IACUC and Institutional Review Board (IRB) may need to review if irradiating animal or humans for research. Once approved, you will be issued an X-ray permit for the device.

ARE THERE COSTS ASSOCIATED WITH REGISTRATION?

Yes. There are State and Los Angeles County fees, and a renewal fee every two years.

WHAT I NEED TO DO

- Register my radiation devices with the State through the Radiation Safety Office. Do not use the device before the Radiation Safety Office completes an initial inspection.
- Submit research protocols for use of the devices on humans or animals through iStar.
- Notify EH&S of any [removals/additions](#) of radiation devices.
- Contact EH&S at (323) 442-2200 if I have any questions/concerns.

ARE THERE ADDITIONAL REQUIREMENTS FOR USING RADIATION DEVICES ON HUMANS?

Yes! All radiation devices used on humans must be operated by individuals who are licensed/certified by the State of California. Consult with Radiation Safety to review specific training and regulatory requirements associated with each device.

The use of X-ray producing devices on humans for research purposes requires an approved [RUA application](#) reviewed by the Radiation Safety Committee in addition to the Institutional Review Board (IRB) approval.

REFERENCES

CDPH Rad Health Branch - <http://tiny.cc/cdph-rad-health>

CDPH Laws & Regs - <http://tiny.cc/cdph-laws-regs>

USC iStar - <https://istar.usc.edu/>

USC Radiation-Producing Machine Registration Form - <http://tiny.cc/X-Ray-Registration>

USC RUA Application Webpage - <http://tiny.cc/usc-rua>

USC X-Ray Equipment Close-Out Form - <http://tiny.cc/usc-xray-closeout-form>