



## ***Kettering Health Network<sup>SM</sup>***

### **FLUOROSCOPY ATTESTATION**

*You have requested privileges to use fluoroscopy within the Kettering Medical Center Network. The State of Ohio requires that anyone working with X-ray equipment must receive safety instruction (OAC 3701:1-38-10 and OAC 3701:1-66-04) and demonstrate competence in the use of the equipment (OAC 3701:1-66-04). Please read this document carefully and sign the attestation at the bottom of the page.*

Fixed fluoroscopes are found in clearly identifiable rooms in restricted-access areas, often in angiography, surgery and GI suites. To avoid exposure, no one may enter a restricted area without approval. Mobile fluoroscopes, including mini C-arms, are typically used in surgery.

**Use of protective shielding is required with use of a fluoroscope.** In some areas rolling shields are provided for persons away from the procedure. Non-operators should move away from the machine. The operator is responsible for keeping others away from the machine.

Radiation causes damage to DNA. Cells can usually tolerate the low doses of radiation associated with diagnostic X-rays, but lengthy procedures, especially using “boost” modes, can cause damage to a patient and personnel. There is no sensation at the time of the exposure, and the damage will only appear weeks later. The easiest way to avoid exposure is to use the fluoroscope as little as possible and maintain a safe distance from the machine.

Before using a fluoroscope, an application should be filed with the Radiation Safety Office for a film badge. **The film badge is the only record of radiation exposure. The badge should be worn and returned monthly.** Radiation exposure reports are posted monthly in the service area, and an annual letter should be sent to each individual to relate personal exposure

**Suspected problems with a fluoroscope or awareness of any unsafe practice with radiation must be reported to the Radiation Safety Office immediately.** Operators are to be notified by the Radiation Safety Office for any malfunctions or unusual occurrences. Machines with restrictions will be labeled. Do not use any machine with a reported problem.

The State of Ohio requires that only physicians or licensed radiologic technologists operate fluoroscopes. **Only personnel authorized to operate the equipment may position the patient, set the technique, and operate the pedal.** Most fluoroscopes adjust the technique automatically. Do not use a manual technique unless there are specific instructions on a given fluoroscope.

Fluoroscopes have an X-ray head and an image intensifier (II) in place of film. **Keep the II near the patient and the X-ray head far away, preferably below the patient.** The machines are usually turned on using a foot pedal, but some mobile units have a hand switch. Each unit has a special switch along with an audible and visible signal for high-level fluoroscopy. **Collimate the beam to the smallest useful area. Keep the tube moving**—do not park the X-ray head at one position for lengthy periods. Always **use fluoroscopy sparingly.** The machine cannot cause damage if it is not turned on.

*In addition to the above information, you must also have additional in-depth instruction on fluoroscopy. This instruction is available through the Medical Staff Office, or the Radiation Safety Office can provide a written copy to you. Please call the Radiation Safety Office at 395-8818 for more details.*

I have read and understand this information on fluoroscopy.

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Signature:

Date: