

# Fluoroscopy Radiation Safety Training

Commonwealth of Massachusetts Department of Public Health  
10/06/2006

## 105 CMR 120.405

### (K) Operator Qualifications.

- (1) A facility shall insure that only a licensed physician or a radiologic technologist who is trained in the safe use of fluoroscopic x-ray systems licensed in accordance with 105CMR 125.000 shall be allowed to operate these systems. All persons using fluoroscopic x-ray systems shall have, at a minimum, documented training in the topics specified 105 CMR 120.405(K)(2).
- (2) Training to meet requirements of 105 CMR 120.405(K)(1) shall include, but not be limited to the following:
  - (a) Principles and operation of the fluoroscopic x-ray system;
  - (b) Biological effects of x-rays;
  - (c) Principles of radiation protection;
  - (d) Fluoroscopic outputs;
  - (e) High level control options;
  - (f) Dose reduction techniques for fluoroscopic x-ray systems; and
  - (g) Application requirements of 105 CMR 120.000\*
- (3) The facility shall maintain all records relating to compliance with the training for five years.
- (4) The facility shall establish policies and procedures for restricting the use of fluoroscopic systems to only those physicians who have been granted privileges for the use of fluoroscopy based on a determination of adequate training and knowledge of the curriculum of 105 CMR 120.405(K)(2).
- (5) The facility shall insure that all non-radiologist physician using fluoroscopic equipment obtain annual training in Radiation Safety/Radiation Protection and maintain all records relating to compliance with this training requirement for five years.

\* 105 CMR 120.000: "To Control the Radiation Hazards of Radioactive Material and Machines which Emit Ionizing Radiation."