

University Hospitals Plymouth NHS Trust Ionising Radiations Regulations 2017
Special Local Rules for Use of Fluoroscopy in Operating Theatres

Application

These Local Rules apply to uses of mobile fluoroscopy within operating theatres, Derriford Hospital (but excluding the pacing theatre Level 6). They are issued in conjunction with the “General Local Rules for Diagnostic and Interventional uses of X-rays”.

Radiation Protection Supervisors			
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Designation of Controlled Area

The entire Theatre shall be designated a Controlled Area when the equipment is powered on (either with the key switch or logged in).

Systems of Work

- X-ray Controlled Area signs to be displayed at ALL entrances prior to powering on and to be removed when work is complete and X-ray machine powered down.
- Entry to the Controlled Area is under the control of the Operator.
- Staff entering or within the controlled area must wear lead aprons with a minimum of 0.25mm lead equivalence. Staff working within close proximity to the patient (within ~1m of the tube head and/or detector) must wear a thyroid shield of minimum 0.25mm lead equivalence.
- Doors to theatres must remain closed during x-ray exposures.
- Only those persons whose presence is essential should remain in the theatre during exposure.
- Before carrying out the first exposure on each patient, the Operator will issue a verbal warning that the exposure is about to commence.
- All staff should retreat as far away from the table as possible during exposure.

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- On no account should members of theatre staff attempt to use the x-ray equipment or interfere with it in any way, unless they have been specifically trained to do so and authorised by Department Operating Procedures.

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