

**Standard Intent:**

One of the essential documents that should be in place and fully implemented to ensure patient safety is the radiology safety plan that include how to perform PPM periodic inspection, maintenance and calibration of equipment, management of radioactive materials used for diagnostic and therapeutic modalities especially handling, storing, transportation, posting safety warnings on doors and walls, checking female patients for pregnancy before exposure, monitoring of staff for radiation exposure (dosimetry) minimum quarterly for the past 12 months, regular inspection of radiation protection aprons and The safety plan is implemented as evidenced by practice and documentation, its effectiveness should be evaluated through periodic audits (e.g. six monthly).

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**RD.9 The radiology department has a documented and implemented protocol for interventional radiological procedures.**

RD.9.1 There is a documented protocol for interventional radiological procedures, which indicates pre-procedural assessments (patient and procedure verification, rationale for the procedure, past history and history of allergic reactions, coagulation profile, informed consent with explanation of risks and benefits).

RD.9.2 The protocol indicates monitoring requirements during and after the procedure.

RD.9.3 Findings of patient assessment and monitoring are documented in the patient's medical record.

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**Standard Intent:**

Interventional radiological procedures are performed following a written protocol clearly identifying pre-procedural patient assessments (patient and procedure verification, rationale for the procedure, past history and history of allergic reactions, coagulation profile, informed consent with explanation of risks and benefits), monitoring required during and after the procedure and documenting all in patient's medical records.

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**RD.10 The radiology department ensures the safety of diagnostic imaging equipment.**

RD.10.1 The radiology department ensures the following tests are conducted at least annually:

RD.10.1.1 Automatic Exposure Control (AEC) test.

RD.10.1.2 Kvp reproducibility and repeatability.

RD.10.1.3 Half Value Layer test.

RD.10.1.4 Alignment of collimator and x-ray field.

RD.10.1.5 Mean glandular dose test (for mammography).