

## Chapter RAD 4

### SCOPE OF PRACTICE

RAD 4.01 Radiographer scope of practice.

RAD 4.02 Limited X-ray machine operator scope of practice.

**RAD 4.01 Radiographer scope of practice. (1)** GENERAL SCOPE OF PRACTICE. The practice of a radiographer involves the performance of radiography and radiographic procedures and related techniques to produce images for the interpretation by, or at the request of, a licensed practitioner. Radiographers perform the radiographic examination to create the images needed for medical diagnosis and apply scientific knowledge, technical skills, patient interaction, and care necessary to obtain diagnostic information. Radiographers may apply radiation to any part of the human body and may administer contrast agents and related substances for diagnostic purposes.

**(2) APPLICABLE STANDARDS.** The scope of practice of a licensed radiographer includes all of the following, as defined in the ASRT Practice Standards for Medical Imaging and Radiation Therapy, 2019 American Society of Radiologic Technologists:

(a) Administering medications parenterally through new or existing vascular access, enterally or through other appropriate routes as prescribed by a licensed practitioner.

(b) Administering medications with an infusion pump or power injector as prescribed by a licensed practitioner.

(c) Applying principles of ALARA to minimize exposure to patient, self, and others.

(d) Applying principles of patient safety during all aspects of patient care.

(e) Assisting in maintaining medical records, respecting confidentiality and established policy.

(f) Corroborating a patient's clinical history with procedure and ensuring information is documented and available for use by a licensed practitioner.

(g) Educating and monitoring students and other health care providers.

(h) Evaluating images for proper positioning and determining if additional images will improve the procedure or treatment outcome.

(i) Evaluating images for technical quality and ensuring proper identification is recorded.

(j) Identifying and responding to emergency situations.

(k) Identifying, preparing, and administering medications as prescribed by a licensed practitioner.

(L) Performing ongoing quality assurance activities.

(m) Performing venipuncture as prescribed by a licensed practitioner.

(n) Postprocessing data.

(o) Preparing patients for procedures.

(p) Providing education.

(q) Providing optimal patient care.

(r) Receiving, relaying, and documenting verbal, written, and electronic orders in the patient's medical record.

(s) Selecting the appropriate protocol and optimizing technical factors while maximizing patient safety.

(t) Starting, maintaining, and removing intravenous access as prescribed by a licensed practitioner.

(u) Verifying archival storage of data.

(v) Verifying informed consent for applicable procedures.

(w) Assisting the licensed practitioner with fluoroscopic and specialized radiologic procedures.

(x) Performing diagnostic radiographic and noninterpretive fluoroscopic procedures as prescribed by a licensed practitioner.

**Note:** The standard is available from the American Society of Radiologic Technologists' website at [www.asrt.org](http://www.asrt.org).

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**RAD 4.02 Limited X-ray machine operator scope of practice. (1)** GENERAL SCOPE OF PRACTICE. The LXMO performs radiographic procedures and related techniques within the practice of radiography under the supervision of a licensed radiographer or other health care provider, consistent with the LXMO's limited scope education, training, and examination.

**(2) APPLICABLE STANDARDS.** The scope of practice of an LXMO includes all of the following, as defined in the ASRT Practice Standards for Medical Imaging and Radiation Therapy, 2019 American Society of Radiologic Technologists:

(a) Applying principles of ALARA to minimize exposure to patient, self, and others.

(b) Applying principles of patient safety during all aspects of patient care.

(c) Assisting in maintaining medical records, respecting confidentiality and established policy.

(d) Corroborating a patient's clinical history with procedure and ensuring information is documented and available for use by a licensed practitioner.

(e) Evaluating images for proper positioning and determining if additional images will improve the procedure or treatment outcome.

(f) Evaluating images for technical quality and ensuring proper identification is recorded.

(g) Identifying and responding to emergency situations.

(h) Performing ongoing quality assurance activities.

(i) Postprocessing data.

(j) Preparing patients for procedures.

(k) Providing education.

(L) Providing optimal patient care.

(m) Selecting the appropriate protocol and optimizing technical factors while maximizing patient safety.

(n) Verifying archival storage of data.

(o) Assisting a licensed practitioner or radiographer during static radiographic procedures.

(p) Performing diagnostic radiographic procedures, as prescribed by a licensed practitioner, of a specific area of anatomical

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interest based on limited education, training, and licensure or certification within the individual's scope of practice.

**Note:** The standard is available from the American Society of Radiologic Technologists' website at [www.asrt.org](http://www.asrt.org).

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