

3. EXCERPTS: Title 17, California Code of Regulations.

§ 30410. Authorization to X-ray Technicians to Perform Digital Radiography.

(a) Any individual holding a current and valid limited permit in the following categories, as defined in section 30443, may perform digital radiography within their respective scopes of practice if the individual has completed 20 hours or more of the instruction specified in section 30410.2:

- (1) Chest radiography.
- (2) Extremities radiography.
- (3) Gastrointestinal radiography.
- (4) Genitourinary radiography.
- (5) Leg-podiatric radiography.
- (6) Skull radiography.
- (7) Torso-skeletal radiography.

(b) To be eligible for authorization pursuant to subsection (a), the individual shall submit the following to the department:

(1) Name and permit number as specified on the individual's limited permit issued by the Department; and

(2) Documentation that the individual has completed the instruction in digital radiologic technology specified in section 30410.2 from a:

- (A) Diagnostic radiologic technology school approved by the Department as meeting the requirements of section 30421;
- (B) Limited permit X-ray technician school approved by the Department as meeting the requirements of section 30424; or
- (C) Provider whose continuing education activity pertaining to the subject areas specified in section 30410.2 is designated as "Category A" credit by an organization approved by the American Registry of Radiologic Technologists as a Recognized Continuing Education Evaluation Mechanism.

(c) Completion of the instruction specified in section 30410.2 shall be considered 20 approved continuing education credits for purposes of complying with section 30403 only if the credit is identified in accordance with section 30403.5(b).

NOTE: Authority cited: Sections 114870, 131055 and 131200, Health and Safety Code.
Reference: Sections 106995, 114840, 114845 and 114870, Health and Safety Code.

§ 30410.2. Instruction in Digital Radiologic Technology.

(a) Instruction in digital radiologic technology shall be no less than 20 hours in length and shall include all of the following:

(1) Basic principles of digital radiography addressing digital image characteristics, types of digital receptors in cassette-less systems and cassette-based systems, comparison of detector properties and evaluative criteria, and dynamic range versus latitude;

(2) Image acquisition addressing raw data acquisition, and image extraction and exposure indicators in cassette-less and cassette-based systems;

(3) Image acquisition errors addressing exposure field recognition, histogram analysis error, low intensity radiation response, scatter control such as coning and use of optimal exposures, and grid use including Moiré effect;

(4) Software (default) image processing addressing automatic rescaling, final image processing, effects of excessive processing, and recognition of image processing errors that affect image clarity;

(5) Fundamental principles of exposure addressing optimal receptor exposure, receptor response and detective quantum efficiency, selection of exposure factors, exposure myths associated with digital imaging systems, controlling patient exposure, monitoring patient exposure;

(6) Image evaluation addressing evidence of appropriate exposure level and exposure recognition failure or histogram analysis error, contrast, recorded detail, and artifacts;

(7) Quality assurance and maintenance issues addressing initial acceptance testing, cassette-based system reader preventive maintenance, plate maintenance, uniformity of default processing codes, and reject analysis; and

(8) Image display issues to include types of viewing monitors as compared to film/screen, picture archiving and communication systems, teleradiology, and operator responsibilities such as image annotation and manipulation, and patient confidentiality.

NOTE: Authority cited: Sections 114870, 131055 and 131200, Health and Safety Code. Reference: Sections 106995, 114840, 114845 and 114870, Health and Safety Code.

§ 30445. Acceptable Applications.

The Department considers an application for a limited permit acceptable if all of the following conditions have been met:

(a) The following is submitted to the Department:

(1) The legal name, mailing address, and telephone number of the applicant;

(2) The applicant's social security number (pursuant to the authority found in sections 131055, 131200 and 114870 of the Health and Safety Code and as required by section 17520 of the Family Code, providing the social security number is mandatory. The social security number will be used for purposes of identification); and

(3) Identification of the permit category for which the individual is applying.

(b) Fee is paid pursuant to Section 30408.

(c) For each permit requested an applicant submits any of the following:

(1) A limited permit X-ray technician school graduation diploma or certificate in the limited permit category applied for.

(2) A statement, signed by the supervisor and operator who provided the training, attesting that the applicant has completed Department-approved on-the-job training in the limited permit category applied for.

(3) A resume showing that education, training, and clinical experience is equivalent to the limited permit X-ray technician school curriculum in the limited permit category applied for.

(d) For authorization to perform procedures involving digital radiography upon issuance of the limited permit pursuant to section 30444, documentation is submitted showing completion of instruction in digital radiologic technology specified in section 30410.2 from any entity specified in section 30410(b)(2).

Note: Authority cited: Sections 114870, 131055 and 131200, Health and Safety Code. Reference: Section 106995, Health and Safety Code.

§ 30447. Restrictions.

(a) Limited permits issued pursuant to section 30444 exclude authorization to:

- (1) Operate fluoroscopy equipment during exposure of a patient to X-rays.
- (2) Operate portable or mobile X-ray equipment.
- (3) Perform procedures involving computerized tomography.
- (4) Perform mammography procedures.
- (5) Perform vascular procedures.
- (6) Perform procedures involving scanned projection radiography (digital radiography or digital tomography), or digital fluorography.

(b) Exclusions listed in subsections (a)(2) and (a)(6) shall not apply to individuals who possess a current and valid limited permit in X-ray Bone Densitometry, issued pursuant to section 30444.

(c) The exclusion listed in subsection (a)(6) shall not apply to individuals who possess a current and valid limited permit in Dental Laboratory Radiography, issued pursuant to section 30444.

(d) The exclusion listed in subsection (a)(6) shall not apply to individuals who have been issued:

- (1) Authorization to perform digital radiography pursuant to section 30410; or
- (2) A limited permit pursuant to section 30444 indicating the individual has met the requirements of section 30410.

Note: Authority cited: Sections 114870(a), 131055 and 131200, Health and Safety Code. Reference: Sections 106965, 106975, 114845, 114850, 114870(c), 114875 and 114880, Health and Safety Code.