The Current State Regulatory Issues For Medical Physicists Part 2

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Past Chairperson
Conference of Radiation Control Program Directors (CRCPD)

AAPM Annual Meeting
Anaheim, CA
July 28, 2009

Suggested State Regulations
SSR F
X-Ray in the Healing Arts

- Russell Takata (HI), Chair
- Catherine Fontaine (TX)
- Brad Grinstead (AL)
- Mary Ann Spohrer (IL)
- AAPM Resource Individual – Keith Strauss

Suggested State Regulations
SSR F
X-Ray in the Healing Arts

- “Qualified Medical Physicist” replaces “qualified expert”
- “Qualified Medical Physicist” means an individual who meets the requirements specified in SSR Z

- The facility shall either provide annual in-service training for all operators of fluoroscopic x-ray systems used for high dose, high risk procedures, or require evidence of annual continuing medical education in fluoroscopic radiation safety and patient dose management.
Suggested State Regulations
SSR F
X-Ray in the Healing Arts

Facilities shall maintain a record of the cumulative fluoroscopic exposure time used and the number of fluorographic images recorded for each examination. This record shall include patient identification, type and date of examination, the fluoroscopic system used, and operator’s name.

Suggested State Regulations
SSR F
X-Ray in the Healing Arts

• All registrants [licensees] of diagnostic x-ray imaging equipment shall establish and maintain a quality assurance program consisting of quality control assessments addressing at least the following items:
  – Administration
  – Radiation producing equipment
    (includes printing/viewing equipment)
  – Film processing
  – Structural shielding

Suggested State Regulations
SSR F
X-Ray in the Healing Arts

• Hand-held x-ray equipment
  – Operators of hand-held intraoral dental radiographic units shall be specifically trained.
  – Units may not be used for patient examinations in hallways and waiting rooms.
**Suggested State Regulations**

**SSR Z**

**Medical Credentialing**

- Paul Brown (IL), Chair
- Dawn Burke (NC)
- Shanna Farish (AZ)

**AAPM Resource Individual(s)**

- Mahadevappa Mahesh, Melissa Martin, Ralph Lieto, Doug Pfieffer, Keith Strauss, Herb Mower

**Medical Credentialing (Part Z)**

- Peer review comment period ended May 25, 2009
- Comments received from: AAMC, ACR, ARRT
- PA Association, CPRPA

**Radiologist Assistant**

- Current draft recommends duel certification pathway, RRA (ARRT) or RPA (CBPRA)
- Must be tied to Board Certified Radiologist through a letter of delegation/agreement
- Under supervision, RA can do whatever radiologist delegates
**Suggested State Regulations**

**SSR Z**
Medical Credentialing

**Physician Assistant/Adv Practice Nurse Exemption**
- ACR Technical Standard for Management of the Use of Radiation in Fluoroscopic Procedures

**Medical Dosimetrist**
Should they be part of SSR Z?

SSR-Z covers credentialing or exempting individuals who use ionizing radiation in the healing arts. Are dosimetrists using radiation producing machines or radioactive materials?

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**Suggested State Regulations**

**SSR ZZ**
Registration Requirements for Medical Physicists and Therapeutic Radiological Physicists

1. Purpose and Scope
2. Certification/Education/Experience Requirements
3. Approval of Application and Application/Registration Fees
4. Suspension and Revocation of Registration

**Purpose and Scope**
- Establishes standards and procedures the Agency will apply for approving individuals as medical physicists and/or therapeutic radiological physicists, and
- Establishes standards and procedures to be applied by the Agency when withdrawing its approval of a medical physicist and/or therapeutic radiological physicist
Suggested State Regulations

SSR ZZ
Registration Requirements for Medical Physicists and Therapeutic Radiological Physicists

Medical Physicists
Certification by the ABR, ABMP or Canadian College of Medical Physics, in:
- Diagnostic Radiology
- Diagnostic Radiological Physics
- Diagnostic Imaging Physics
- Therapeutic Radiological Physics
- Radiation Oncology Physics

Medical Physicists
Have, prior to the effective date of these regulations, qualified as a medical physicist under a state’s existing rule or regulation, and retained that qualification by maintenance of the active status of any licensure, approval or certification required.

Additional experience requirements for those performing mammography surveys

Medical Physicists
PhD or MS/MA degree in health physics, medical radiological physics or physics and 2 years of experience in diagnostic x-ray, which shall include quality assurance and x-ray equipment evaluation experience

Therapeutic Radiological Physicist
Certification by the ABR, ABMP or Canadian College of Medical Physics in therapeutic radiological physics or radiation oncology physics.
Suggested State Regulations

SSR ZZ

Registration Requirements for Medical Physicists and Therapeutic Radiological Physicists

Therapeutic Radiological Physicist

PhD or MS/MA degree in physics, biophysics, radiological physics or health physics and 1 year of full-time training in radiological physics and 1 year of full-time work experience under the supervision of a therapeutic radiological physicist at a medical institution, who will be required to provide a statement for the applicant that the individual has obtained a level of knowledge to function independently.

Objective:

Provide a registry of all board certified medical physicists that work in the United States based on information from certifying boards

CRCPD National Registry of Medical Physicists

An independent verification of QMP

✓ Single location for ABR, ABMP, CCPM

✓ Free access

✓ Quick, paperless verification

The current proposed registry will:

• Not provide or allow you to forgo state-specific requirements such as knowledge of a state’s regulations
• Not track your CEUs or device-specific training

If successful, expansion to meet additional needs is always an option
CRCPD & AAPM CR/DR Training for State X-ray Inspectors

• 2-Day Pilot Training at CRCPD Annual Meeting, May 2009
  – Day 1: Hands on training on CR/DR systems
  – Day 2: AAPM didactic training

• 51 Attendees from 29 states
  + 6 FDA inspectors

CRCPD Continues...

• To build a one stop shop for State radiation control personnel
• To update suggested rules
• To respond to new technology and homeland security issues
• To provide a conduit for sharing of information

Summary

• Affiliate Membership:
  – $85/yr
• Annual Meetings:
  – April 2010: Newport, RI
  – May 2011: Austin, TX
  – May 2012: Orlando, FL

www.crcpd.org

Thank You!

John P. Winston
CRCPD Past Chairperson

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