

From: "AOCR-Carol" <aocrch@nemr.net>
To: <CMF@nrc.gov>
Date: 3/23/06 3:36PM
Subject: information for website

Cindy

I have been working on the revisions to the information for the AOBR website regarding the NRC requirements. Could you please look and what I have so far and see if I have the correct references per our phone conversation a couple of weeks ago? Let me know if these are correct.

Thanks.

Carol Houston, Director

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Mail Envelope Properties (442306BD.01A : 4 : 49178)

Subject: information for website
Creation Date: 3/23/06 5:35PM
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Created By: aocrch@nemr.net

Recipients

nrc.gov
OWGWPO02.HQGWDO01
CMF (Cynthia Flannery)

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Route

nrc.gov

Files	Size	Date & Time
MESSAGE	501	03/23/06 05:35PM
TEXT.htm	3100	
NRC info for website DR revised 3-21.doc		51200
Mime.822	76242	

Options

Expiration Date: None
Priority: Standard
Reply Requested: No
Return Notification: None

Concealed Subject: No
Security: Standard

Candidates seeking certification from the American Osteopathic Board of Radiology must have completed the training and experience requirements for NRC licensure as stated below:

Training for imaging and localization studies (10 CFR 35.290 (a)(1), (c)(1)).

1. Complete 700 hours of training and experience, including a minimum of 80 hours of classroom and laboratory training, in basic radionuclide handling techniques applicable to the medical use of unsealed byproduct material for imaging and localization studies. The training and experience must include, at a minimum:
 - a. Classroom and laboratory training in the following areas:
 - i. Radiation physics and instrumentation
 - ii. Radiation protection
 - iii. Mathematics pertaining to the use and measurement of radioactivity
 - iv. Chemistry of byproduct material for medical use
 - v. Radiation biology
 - b. Work experience, under the supervision of an authorized user, who meets the requirements in 35.290, or 35.290(c)(1)(ii)(G) and 35.390, or equivalent Agreement State requirements, involving –
 - i. Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys
 - ii. Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters
 - iii. Calculating, measuring and safely preparing patient or human research subject dosages
 - iv. Using administrative controls to prevent a medical event involving the use of unsealed byproduct material
 - v. Using procedures to safely contain spilled radioactive material and using proper decontamination procedures
 - vi. Administering dosages of radioactive drugs to patients or human research subjects; and
 - vii. Eluting generator systems appropriate for preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs

Training for oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries) (10 CFR 35.392 (c)(1) and (c)(2)).

1. Has successfully completed eighty (80) hours of classroom and laboratory training, applicable to the medical use of sodium iodide I-131 for procedures requiring a written directive. The training must include:
 - a. Radiation physics and instrumentation
 - b. Radiation protection
 - c. Mathematics pertaining to the use and measurement of radioactivity
 - d. Chemistry of byproduct material for medical use

- e. Radiation biology; and
2. Work experience, under the supervision of an authorized user, who meets the requirements in 35.390(a), 35.390(b), 35.392, 35.394, or equivalent Agreement State requirements. A supervising authorized user, who meets the requirements in 35.390(b) must also have experience in administering dosages as specified in 35.390(b)(1)(ii)(G)(1) or (2). The work experience must involve –
 - a. Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys
 - b. Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters
 - c. Calculating, measuring and safely preparing patient or human research subject dosages
 - d. Using administrative controls to prevent a medical event involving the use of byproduct material
 - e. Using procedures to contain spilled byproduct material safely and using proper decontamination procedures
 - f. Administering dosages to patients or human research subjects, that includes at least three (3) cases involving the oral administration of less than or equal to 1.22 gigabecquerels (33 millicuries) of sodium iodide I-131.

In accordance with 10 CFR 35.290(a)(1), 35.392(c)(1), the following examination areas of the **Diagnostic Radiology** certification examination listed under “Physics of Medical Imaging, Biological Effects and Safety” assess knowledge and competence in the following areas:

- Radiological Physics (radiation production and interaction with matter)
- Radiation Biology (health effects)
- Radiation Safety and Protection
- Nuclear Medicine
- Radionuclide Handling
- Quality Control.
- Clinical use of unsealed byproduct material for which a written directive is required