ASNR Autorité de sûreté nucléaire et de radioprotection

EMERGENCY PREPAREDNESS AND RESPONSE *COURSE IN ENGLISH*

EXAMPLE OF TRAINING PROVIDED

OUR EXPERTS ENHANCE YOUR SKILLS

Medical care of irradiated / contaminated patients in the event of a nuclear and radiological emergency

Code: To be defined later by ASNR

Session: On demand

Registration deadline: 3 months prior to course

Duration: 5 days

Price: Contact us!

TO BE DESIGNED ACCORDING TO YOUR EXPECTATIONS

Prerequisites

Participants should have a basic knowledge of accidents in nuclear facilities and in the field of applied radiation technologies.

Examination

- Knowledge testing (multiple choice exam) will be performed on the full course content and successful candidates will be issued with a Knowledge Certificate.
- Certificate of attendance will be issued to participants who attend the full course.

Teaching methods

- Lectures, discussions and practical sessions are included.
- Working group exercises and technical visits are supervised by experienced experts.
- A USB stick containing the course
- Material will be provided.

ASNR - Fontenay site
12, rue de la Redoute
92260 Fontenay-aux-Roses
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Objectives

- To equip participants with a comprehensive understanding of radiation emergencies, including the principles of ionizing radiation, detection and protection methods, and the medical management of radiation exposure.
- The program also aims to enhance practical skills through lab exercises and simulations, and to prepare participants for effective communication and response during radiation incidents.

Target Audience

- Emergency responders, medical professionals (doctors, nurses, and paramedics), radiation safety officers, nuclear industry workers, public health officials, and disaster management personnel.
- It could also benefit researchers and students specializing in radiology, nuclear medicine, and emergency preparedness.

Learning Outcomes

- **Understanding Radiation Emergencies:** Participants will be able to identify the scope, sources, and challenges of radiation emergencies.
- **Mastery of Radiation Concepts:** Gain a solid grasp of ionizing radiation principles, detection equipment, and radiation protection techniques.
- **Practical Application:** Demonstrate proficiency in using dosimetry and biodosimetry tools, and apply radiopathology knowledge in real-world scenarios.
- **Effective Response and Management:** Develop skills to manage radiation exposure cases on-site, in hospitals, and at pre-hospital levels, including communication with the public.
- **Preparedness and Decision-Making:** Enhance preparedness for radiation emergencies through understanding international frameworks, conducting risk assessments, and participating in case studies and tabletop exercises.

Program

The 5-day training module will cover the following subjects:

- Radiation emergencies, covering the scope of the problem, basic concepts of ionizing radiation, and the use of detection equipment.
- Hands-on exercises in physics dosimetry and biodosimetry labs, focusing on radiation protection, biological effects, and radiopathology.
- Management of acute radiation syndrome, external contamination, and cutaneous radiation injuries both on-site and in hospitals.
- Communication strategies, international emergency preparedness, and psychosocial aspects, reinforced through case studies like Fukushima and Goiania, as well as tabletop exercises.

Contact :
training-tutoring@asnr.fr

Online catalogue
https://formation.asnr.fr/en/