

- Most of the knowledge about radiation and its effect on public health is a result of the:
 - 1945 atomic bombings in Hiroshima and Nagasaki and decades of survivor data
 - 1979 Three Mile Island nuclear power plant accident
 - 1986 Chernobyl nuclear power plant accident
 - 2011 Japanese earthquake and nuclear crisis
- When quantifying radiation amounts, a rad relates to:
 - a unit of gamma and X-rays in the air
 - an absorbed dose in human tissue
 - a specific type of radiation to damage biological tissue
 - amounts of non-ionizing radiations
- Radiation therapy as a treatment for cancer is used in approximately what percentage of cancer therapies?
 - 10 percent
 - 25 percent
 - 60 percent
 - 90 percent
- Within what time period do most radiation-induced cancers occur after exposure?
 - 6 months-1 year
 - 1 year-18 months
 - 1-5 years
 - 2-10 years
- When iodine-125 seeds are implanted as a treatment for prostate cancer, how long does it take until no radioactivity is left in them?
 - 10 hours
 - 10 days
 - 10 months
 - 10 days
- When a patient is discharged after having radiation seeds implanted, they should be told all of the following EXCEPT:
 - their body wastes are radioactive
 - they can have sex, but should use condoms the first few times
 - they should not conceive a child for at least 1 year
 - there is a slight chance one of the seeds can become dislodged and pass through the urine
- A committed dose of radiation is one that:
 - can be adjusted according to the patient's response over time
 - follows the prescribed guidelines of the Nuclear Regulatory Commission
 - accounts for continuing exposure over time or exposure that stays in the body over time
 - applies the concepts of time, distance and shielding
- Brachytherapy:
 - can only be delivered at a low-dose rate
 - is delivered to the patient for 2 hours and then removed
 - is effective for solid and non-solid hematological cancers
 - allows a high dose of radiation to be delivered to a small area

- In a hospital, who is the designated person that ensures radiation safety compliance?
 - chief of radiology/MD
 - radiology nurse manager
 - radiation safety officer
 - medical physicist
- A patient receiving iodine-131 for ablation of residual thyroid cancer should be instructed to:
 - stay inside for 10 days
 - force fluids for a few days to get rid of radiation excreted in body fluids
 - disinfect toilets at home with special detergent
 - avoid contact with children or pregnant women

Evaluation

- I can define the difference between non-ionizing and ionizing radiation.
 - strongly agree
 - agree
 - neutral
 - disagree
 - strongly disagree
- I understand the basic principles of radiation protection.
 - strongly agree
 - agree
 - neutral
 - disagree
 - strongly disagree
- I can discuss the care and safety of patients receiving specialized radiotherapy treatments and the role of the nurse.
 - strongly agree
 - agree
 - neutral
 - disagree
 - strongly disagree
- The objectives relate to the overall goal of the article.
 - strongly agree
 - agree
 - neutral
 - disagree
 - strongly disagree
- The article is well-written and logically organized, and defines terms adequately.
 - strongly agree
 - agree
 - neutral
 - disagree
 - strongly disagree

Radiation Safety

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- A B C D

EVALUATION

- A B C D E
- A B C D E
- A B C D E
- A B C D E
- A B C D E

How many minutes did you need to complete this CE offering?

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JOB TITLE that best describes your position (fill in just one circle completely)

RN

- Director of Nursing
- Manager/Supervisor
- Nursing Administrator
- Nursing Faculty
- Private Practice
- Staff Development
- Staff Nurse
- Program Director

Nursing School Student

- RN
- LPN
- Grad. date ____/____/____
- Senior
- Non-Senior (Digital Only)
- Nursing School:

LPN

- Manager/Supervisor
- Nursing Administrator
- Nursing Faculty
- Private Practice
- Staff Development
- Staff Nurse

PRACTICE SETTING that best describes your setting (fill in just one circle completely)

- | | | | |
|---|---|--|--|
| <input type="radio"/> Ambulatory | <input type="radio"/> Geriatrics/LTC | <input type="radio"/> Med/Surg | <input type="radio"/> Rehab |
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RN03