

Topic: Radiobiology

1. Another name for stochastic effect is: ?

- A. Probabilistic effect
- B. Persistent effect
- C. Deterministic effect
- D. Latency effect

Answer:

A. A stochastic effect is based on the probability of its occurrence; which is, an all or nothing chance of response.

Topic: Anatomy – Treatment Planning -MRI

2. In a T2 weighted MRI image of the brain fat appears _____ and cerebrospinal fluid (CSF) _____ appears?

- A. Dark, Dark
- B. Less Bright, Dark
- C. Dark, Less Bright
- D. Less Bright, Bright

Answer:

D. T2 weighted MRI images are characterized by less bright fat and bright water (CSF).

Topic: Treatment

3. An orthovoltage (kv xray) radiation therapy treatment is often used for: ?

- A. Superficial treatments
- B. Prostate treatments
- C. Breast treatments
- D. Palliative treatments

Answer:

A. Orthovoltage radiation therapy is characterized by a shallow dose maximum, Dmax and is suitable for superficial treatments, usually of the skin.