

Topic: Treatment Accessories

1. A MV photons cerrobend block measures 7.5 cm in height. What thickness of pure lead is this cerrobend block equivalent to?

- A. 5.0 cm
- B. 5.5 cm
- C. 6.0 cm
- D. 6.5 cm

Answer:

C. A cerrobend block measuring 7.5 cm is equivalent to 6.0 cm of lead. Most MV photon blocks are made of cerrobend (cerrobend is also known as Lipowitz metal).

Topic: Treatment Planning

2. The most common position a patient is placed in for radiotherapy is?

- A. Head first supine
- B. Feet first supine
- C. Head first prone
- D. Feet first prone

Answer:

A. The head first supine position is mostly commonly used for radiotherapy. A patient lying on their back is generally more stable to position than a patient lying prone.

Topic: Treatment Delivery

3. In a linear accelerator, the most significant device interacting with an electron beam to create uniform fluence is called the?

- A. Bending magnet
- B. Transmission target
- C. Rotating anode
- D. Scattering foil

Answer:

D. In order to spread the electron beam and create a uniform electron fluence the beam encounters a thin lead layer called the scattering foil.

ESN: 73410-100408-651238-44



Copyright: © 2010 All Rights Reserved.