Answer on Question #57186, Physics / Other

Calculate the exposure of a section of bone in a case where the absorbed dose is 2600 J/kg using a value of "f" value for bone of 160?

Solution:

The relation between absorbed dose (D) and exposure (X) is

$$D = f \cdot X$$

where f is conversion factor.

Hence,

$$X = \frac{D}{f} = \frac{2600}{160} = 16.25 \text{ C/kg}$$

Answer: 16.25 C/kg