

ISCD Certification Practice Questions

Clinicians

1. The technology for DXA BMD in the US uses which of the following:
 - a. X-ray
 - b. Ultrasound
 - c. Radioisotope
 - d. Magnetic resonance

2. The WHO Guidelines for BMD classification may currently be applied to:
 - a. adult men & women of all races.
 - b. Caucasian men and women only.
 - c. men & women of all races and ages.
 - d. men aged 50 years and older and post menopausal women.

3. Serial measurements of BMD involve:
 - a. comparison of BMD for the two studies
 - b. comparison of T-scores for the two studies.
 - c. comparison of Z-scores for the two studies.
 - d. comparison of percent young normal for the two studies.

4. The most appropriate value for reporting BMD assessment in children is:
 - a. BMD.
 - b. BMC.
 - c. the T-score.
 - d. the Z-score.

5. Which of the following is the best definition of osteoporosis?
 - a. BMD 1.0 to 2.5 SD below the mean age-matched reference population
 - b. BMD 2.5 SD or more below the mean young-adult reference population
 - c. BMD 2.5 SD or more below the mean age-matched reference population
 - d. BMD 1.0 to 2.5 Standard Deviation (SD) below the mean of the young-adult reference population

6. The diagnosis of osteoporosis:
 - a. requires a fracture.
 - b. can be made by lab tests.
 - c. can be made by BMD testing.
 - d. can be based on clinical risk factors.

7. According to the World Health Organization (WHO) criteria, when making a diagnosis of osteoporosis using T-scores, which of the following requirements must always be met?
- a. The patient must have a T-score of equal to or below -2.5 at every anatomical site measured.
 - b. The patient must have a T-score below -2.5 at the hip, spine or 1/3 radius, regardless of age, race, sex, or menopausal status.
 - c. The patient must have sustained a fragility fracture, defined as an impact equal to, or less than a fall from standing height and a T-score below -1.0 (osteopenia).
 - d. The patient must have a T-score less than or equal to -2.5 at the hip, spine, or 1/3 radius by DXA, and be a male 50 years or older or a post menopausal female.

See next page for answer sheet.



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Clinician Practice Answers

1. A
2. D
3. A
4. D
5. B
6. C
7. D