

Osteoporosis

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Condition

An abnormal reduction in bone mineral density associated with an increased risk of fractures. The most common aetiology relates to post-menopausal reductions in circulating oestrogen, and as such this condition far more commonly affects females.

Individual at risk

Donor

Guidance at RECRUITMENT

Establish cause, and if not otherwise excluded may join.

Guidance at CT/WORK-UP

Establish cause, and if not otherwise excluded may donate by PBSC only. Inform requesting transplant centre that donor is PBSC only.

Hormone replacement therapy for post-menopausal females is usually not derived from human tissues, and therefore acceptable in this context.

Justification for guidance

Shearing stresses applied to the pelvis and lower spine during bone marrow harvest may be a particular risk in donors with osteoporosis.

References

Gladden K, Spill GR. Iliac fracture after a bone marrow biopsy. Pm R 2011; 3(12): 1150-2.