

**Harvard Medical School Department of
Continuing Education and the Renal Division
of Brigham and Women's Hospital**



Nephrology Rounds
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Bone Disease in the Renal Transplant Patient

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Objectives

This issue of *Nephrology Rounds* will help readers to:

- understand the factors that influence post-transplant bone disease
- recognize the diversity of post-transplant renal disease
- understand the management of post-transplant renal disease
- understand the controversy regarding bisphosphonate therapy in renal transplant recipients.

Questions:

1. The best way to assess post-transplant bone disease is with dual-energy x-ray absorptiometry (DXA).
True False
2. Post-transplant bone disease is influenced by the disease that necessitated transplant.
True False
3. Post-transplant bone disease is influenced by pre-transplant triglyceride levels.
True False
4. Post-transplant bone disease is influenced by immunosuppressive regimens.
True False
5. Post-transplant bone disease is influenced by pre-transplant renal osteodystrophy.
True False
6. After successful transplantation, parathyroid hormone levels may remain elevated in 50% of patients.
True False

7. Glucocorticoids suppress bone formation and increase bone resorption.
True False
8. Bisphosphonates have been shown to prevent fracture in renal transplant patients.
True False
9. The increased risk of fracture after renal transplant is limited to the first 1-3 years post-transplant.
True False
10. Immunosuppressive regimens that reduce glucocorticoid exposure are beneficial for skeletal health.
True False

To receive AMA category 1 credit, you must correctly answer 60% of the test questions.

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Please keep a copy of your test before submission. A certificate will be sent upon successful completion of the test along with the answer key after the deadline date indicated.

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