

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



Nephrology Rounds
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New Horizons in Renal Transplantation

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Objectives:

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

- Examine the potential for tolerance induction in renal transplant recipients.
- Review the mechanisms of action and potential therapeutic applications of emerging immunosuppressive agents in transplantation.

Questions:

1. Mixed chimerism refers to a situation whereby donor and recipient hematopoietic cells coexist within the recipient.

True False

2. Total body irradiation is required for generation of mixed hematopoietic chimerism.

True False

3. Administration of Campath 1-H has been associated with an enhanced risk of antibody-mediated humoral rejection.

True False

4. Campath 1-H has been successfully used as immunosuppressive monotherapy in human renal transplantation.

True False

5. Rituximab binds to the key co-stimulatory molecule CD40.

True False

6. Costimulation is an absolute requirement for full T-cell activation in response to alloantigen.

True False

7. Engagement of CTLA-4 by either of its ligands B7-1 or B7-2 results in downregulation of the T-cell response.
True False
8. Trials of anti-CD154 were discontinued due to an unacceptably high incidence of thrombocytopenia.
True False
9. FTY720 prevents lymphocyte egress from lymph nodes.
True False
10. Hepatic transaminitis is a frequent complication of leflunomide therapy.
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.

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