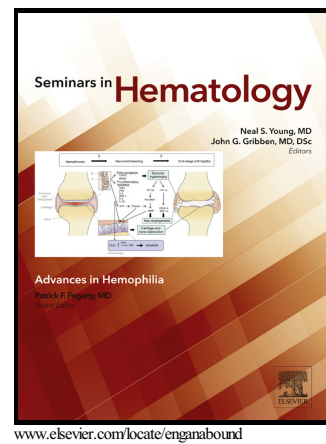


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Selecting the best haploidentical donor

Shannon R. McCurdy, Ephraim J. Fuchs



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Title: Selecting the Best Haploidentical Donor

Authors: Shannon R. McCurdy M.D.,^{1*} Ephraim J. Fuchs M.D.¹

Author Affiliations: ¹Johns Hopkins University, Baltimore, MD, United States

*Corresponding author; CRB I, 3M88 1650 Orleans Street, Baltimore, MD 21287; Phone 410-955-8893;

Fax 410-955-0960 Email, smccurd2@jhmi.edu

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Abstract

The substantial evidence of the safety of human leukocyte antigen (HLA)-haploidentical (haplo) blood or marrow transplantation (BMT) has led to its increasing utilization. When prioritizing HLA-matched grafts, patients frequently have few or no donors from whom to choose. However, a given patient may have multiple suitable haplo donors. Therefore factors other than HLA-match become critical for selecting the best donor. We recommend a donor selection algorithm based on the donor-specific antibodies, ABO match, donor age, donor sex, and cytomegalovirus serostatus match. Despite provocative initial evidence, further studies are warranted to determine whether there is any benefit to selecting a haplo donor based on the number of HLA-mismatches, Natural Killer cell alloreactivity, or the presence of non-inherited maternal HLA antigens.

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