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Which factors influence the development of GVHD in HLA-matched or mismatched transplants?

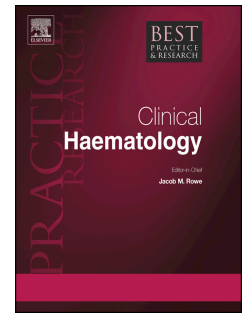
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Which factors influence the development of GVHD in HLA-matched or mismatched transplants?

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Abstract

The sheer diversity of HLA alleles makes the probability of finding matched unrelated donors for patients requiring hematopoietic cell transplantation (HCT) a complex situation. New evidence suggests that mismatching at certain HLA loci may provide a greater benefit in terms of graft-versus-leukemia effect than other mismatches when HLA-matched donors are not available. This review summarizes the current understanding of HLA matching requirements for unrelated donor HCT.

Keywords: allele; GVHD; graft-versus-host disease; GVL; graft versus leukemia; hematopoietic cell transplantation; HCT; HLA; matched; mismatched.

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