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Title: Haploidentical stem cell transplantation-Bone Marrow

vs Peripheral Blood

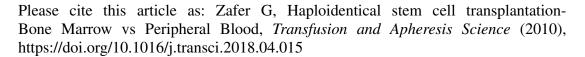
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Haploidentical stem cell transplantation-Bone Marrow vs Peripheral Blood

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**Abstract** 

Hematopoietic stem cells may be obtained by collection of bone marrow,

mobilization and collection of peripheral blood stem cells or umbilical cord

Transplantation of peripheral blood hematopoietic cells has increased blood.

due to faster engraftment and practicability in both the related, unrelated or

haploidentical setting. We reviewed the question of which stem cell source -

bone marrow (BM) or peripheral blood (PBSC) - is the most suitable for

individuals undergoing haploidentical stem cell transplantation. BM or PBSC

could be safely used as allograft sources for haploidentical transplantation with

good outcomes and acceptable rates of GVHD and graft failure. Prospective

randomized studies are needed to evaluate the effect of PB vs BM in

haploidentical settings.

Keywords: Haploidentical stem cell transplantation-Bone Marrow - Peripheral

Blood- Post transplant cyclophosphamide

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