RESEARCH



A comparison of blood or marrow transplantation outcomes for the four most common adult donor types among patients with myelofibrosis



• Haploidentical (half-matched) related donor (HD)

RESULTS

Alternative donor sources had roughly equivalent outcomes as MSD BMT, indicating that availability of a particular donor choice shouldn't be a barrier to transplant.

Additionally, a recent randomized study established the superiority of post-transplant cyclophosphamide (PTCy) based GVHD prophylaxis with any donor type and that study did not include patients with myelofibrosis. This study included PTCy with HD but the majority patients with other donors did not use PTCy. Additional analysis in the study are underway to investigate outcomes with HD and other donors who specifically received PTCy.

When it's available, a transplant from a MSD is preferable for patients with myelofibrosis. When a MSD isn't available, MUD, MMUD and HD were shown to be safe options.

FROM THE EXPERTS

Access to transplantation, which remains the only potential curative approach for myelofibrosis, is a critical unmet need. Our study elucidates the role of haploidentical (half-matched) donor blood or marrow transplantation (BMT) in myelofibrosis and demonstrates that long-term outcomes are nearly equivalent between all donor types.

As has been previously shown in other diagnoses, haploidentical donors often offer the only opportunity of BMT in patients with non-White/Caucasian ethnicities in myelofibrosis. In a malignancy where timing to BMT is of the essence, our study supports identifying the donor who is most readily available. Limitation of donor matching should not preclude timely BMT in these patients. Efforts are now needed to develop strategies to improve engraftment and lower relapse rates with BMT."



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IMPACT