

Exploration of unrelated donor existence for patients who had haploidentical hematopoietic cell transplants



WHAT?

Observational study using Center for International Blood and Marrow Transplant Research® (CIBMTR) database and NMDP/Be The Match Registry® looking at the chances patients who underwent a haploidentical (half-matched) related donor (HRD) transplant would have had a matched unrelated donor on the Be The Match registry.

WHY?

Although the number of HRD transplants has been increasing, not all patients have a suitable or HRD, and many patients have donor-specific antibodies against mismatched HRD antigens that increase the risk of graft rejection and mortality.

Recent reports noted similar and, in certain circumstances (reduced intensity conditioning), superior outcomes using matched (8/8) or minimally mismatched (7/8) unrelated donor (URD) receiving post-transplant cyclophosphamide (PTCy). This study looked at if unrelated donors (URD) are readily identifiable for these patients in the registry.

8,281

patients, ages 0-87, who had HRD transplant reported to CIBMTR

WHO?

WHEN?

2013 - 2020

RESULTS

Most patients were unlikely to have an 8/8 URD match but were likely to have a 7/8 and lower match.

IMPACT

Having safe, effective strategies for transplant options for all patients using HLA mismatched alternative donors—related or unrelated—ensures that donor availability isn’t a barrier to transplant.

FROM THE EXPERTS

These study results reinforce the critical role that HLA mismatched donor options, like haploidentical related and mismatched unrelated donors, play in eliminating the donor availability barrier for patients in need of allogeneic transplant. With a donor available for all, research effort can shift to focus on optimizing the transplant procedure and donor/patient match- mismatch characteristics.”



Stephen Spellman
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