Table S1. Patients’ baseline and transplant-related characteristics of the propensity score-matching first-line allogeneic SCT cohort according to donor-type group

|  |  |  |  |
| --- | --- | --- | --- |
| Characteristics | MSD | URD | *P* |
| Number of patients | 54 | 18 | NA |
| Age |  |  |  |
| ≤ 40 yrs / > 40 yrs | 34 (63.0%) / 20 (37.0%) | 15 (83.3%) / 3 (16.7%) | 0.19 |
| Sex |  |  |  |
| Male / Female | 31 (57.4%) / 23 (42.6%) | 16 (88.9%) / 2 (11.1%) | 0.03 |
| Disease severity |  |  |  |
| SAA / VSAA | 36 (66.7%) / 18 (33.3%) | 14 (77.8%) / 4 (22.2%) | 0.56 |
| Presence of PNH clone |  |  |  |
| Yes / No | 46 (14.8%) / 8 (14.8%) | 16 (88.9%) / 2 (11.1%) | 1.00 |
| Serum ferritin level† |  |  |  |
| ≤ 1000 ng/mL / > 1000 ng/mL | 26 (49.1%) / 27 (50.9%) | 11 (61.1%) / 7 (38.9%) | 0.54 |
| Heavily transfusion history (> 100 units) |  |  |  |
| Yes / No | 39 (72.2%) / 15 (27.8%) | 15 (83.3%) / 3 (16.7%) | 0.53 |
| Interval from diagnosis to transplant |  |  |  |
| ≤ 12 mo / > 12 mo | 29 (53.7%) / 25 (46.3%) | 3 (16.7%) / 15 (83.3%) | 0.01 |
| HCT-CI |  |  |  |
| < 3 / ≥ 3 | 28 (51.9%) / 26 (48.1%) | 10 (55.6%) / 8 (44.4%) | 1.00 |
| HLA mismatch |  |  |  |
| 1 allele / 2 allele | NA | 3 (16.7%) / 0 | NA |
| ABO blood type mismatch |  |  |  |
| Yes / No | 22 (40.7%) / 32 (59.3%) | 13 (72.2%) / 5 (27.8%) | 0.04 |
| Donor-recipient sex mismatch |  |  |  |
| Female to male / Others | 14 (25.9%) / 40 (74.1%) | 2 (11.1%) / 16 (88.9%) | 0.33 |
| Stem cell source |  |  |  |
| BM / PBSC | 34 (63.0%) / 20 (37.0%) | 4 (22.2%) / 14 (77.8%) | 0.01 |

† 64 (88.9%) patients had available pre-transplant serum ferritin level were analyzed.

*MSD* matched sibling donor, *URD* unrelated donor, *NA* not available, *SAA* severe aplastic anemia, *VSAA* very severe aplastic anemia, *PNH* paroxysmal nocturnal hemoglobinuria, *HCT-CI* hematopoietic cell transplantation-specific comorbidity index, *HLA* human leukocyte antigen, *BM* bone marrow; *PBSC* peripheral blood stem cells