Table 1. Patients’ baseline and transplant-related characteristics according to donor group

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Characteristics | MSD | WM-URD | PM-URD | *P* |
| Number of patients | 153 (59.3%) | 72 (27.9%) | 33 (12.79%) | NA |
| Age |  |  |  |  |
| ≤ 40 yrs / > 40 yrs1,2 | 84 (54.9%) / 69 (45.1%) | 54 (75.0%) / 18 (25.0%) | 29 (87.9%) / 4 (12.1%) | < 0.01 |
| Sex |  |  |  |  |
| Male / Female1 | 87 (56.9%) / 66 (43.1%) | 54 (75.0%) / 18 (25.0%) | 24 (72.7%) / 9 (27.3%) | 0.02 |
| Disease severity |  |  |  |  |
| SAA / VSAA | 103 (67.3%) / 50 (32.7%) | 50 (69.4%) / 22 (30.6%) | 26 (78.8%) / 7 (21.2%) | 0.43 |
| Presence of PNH clone |  |  |  |  |
| Yes / No | 18 (11.8%) / 135 (88.2%) | 4 (5.6%) / 68 (94.4%) | 4 (12.1%) / 29 (87.9%) | 0.32 |
| Serum ferritin level† |  |  |  |  |
| ≤ 1000 ng/mL / > 1000 ng/mL | 70 (47.9%) / 76 (52.1%) | 27 (40.3%) / 40 (59.7%) | 12 (37.5%) / 20 (62.5%) | 0.40 |
| Preceding IST history |  |  |  |  |
| Yes / No1,2 | 46 (30.1%) / 107 (69.9%) | 57 (79.2%) / 15 (20.8%) | 30 (90.9%) / 3 (9.1%) | < 0.01 |
| Heavily transfusion history (> 100 units) |  |  |  |  |
| Yes / No1 | 118 (77.1%) / 35 (22.9%) | 66 (91.7%) / 6 (8.3%) | 31 (93.9%) / 2 (6.1%) | 0.01 |
| Interval from diagnosis to transplant |  |  |  |  |
| ≤ 12 mo / > 12 mo1,2 | 60 (39.2%) / 93 (60.8%) | 10 (13.9%) / 62 (86.1%) | 5 (15.2%) / 28 (84.8%) | < 0.01 |
| HCT-CI |  |  |  |  |
| < 3 / ≥ 3 | 93 (60.8%) / 60 (39.2%) | 44 (61.1%) / 28 (38.9%) | 18 (54.5%) / 15 (45.5%) | 0.79 |
| HLA mismatch |  |  |  |  |
| 1 allele / 2 allele | NA | NA | 25 (75.8%) / 8 (24.2%) | NA |
| ABO blood type mismatch |  |  |  |  |
| Yes / No | 59 (38.6%) / 94 (61.4%) | 42 (58.3%) / 30 (41.7%) | 26 (78.8%) / 7 (21.2%) | < 0.01 |
| Donor-recipient sex mismatch |  |  |  |  |
| Female to male / Others | 28 (18.3%) / 125 (81.7%) | 11 (15.3%) / 61 (84.7%) | 3 (9.1%) / 30 (90.9%) | 0.41 |
| Stem cell source |  |  |  |  |
| BM / PBSC1 | 101 (66.0%) / 52 (34.0%) | 34 (47.2%) / 38 (52.8%) | 16 (48.5%) / 17 (51.5%) | 0.01 |

1 indicates *P* < 0.05 between the MSD and the WM-URD groups and 2 indicates *P* < 0.05 between the MSD and the PM-URD groups.

† Pre-transplant serum ferritin level were available in 245 (95.0%) patients. *MSD* matched sibling donor, *WM-URD* well-matched unrelated donor, *PM-URD* partially matched unrelated donor, *NA* not available, *SAA* severe aplastic anemia, *VSAA* very severe aplastic anemia, *PNH* paroxysmal nocturnal hemoglobinuria, *IST* immunosuppressive treatment, *HCT-CI* hematopoietic cell transplantation-specific comorbidity index, *HLA* human leukocyte antigen, *BM* bone marrow, *PBSC* peripheral blood stem cells