

SUPPLEMENTARY MATERIAL

Supplementary Table 1: Most recent treatments prior to BMT

Treatment	N (%)
JAK inhibitor alone	40 (58)
HMA + JAK inhibitor	10 (14)
HMA alone	4 (6)
Induction chemotherapy	1 (1)
Other	10 (14)
None	4 (6)

BMT: Blood or Marrow Transplantation; HMA: Hypomethylating agent; JAK: Janus kinase

Supplementary Table 2: Conditioning Regimens

Conditioning Regimen Intensity	Regimen	N (%)
MAC (N=5; 7%)	Busulfan + Fludarabine	2 (3)
	Fludarabine + Melphalan (140 mg/m ²) + Thiotepa	2 (3)
	Fludarabine + Busulfan + Cyclophosphamide	1 (1)
RIC (N=37; 54%)	Fludarabine + Cyclophosphamide + TBI (4 Gy)	12 (17)
	Fludarabine + Busulfan (6.4 mg/kg) + TBI (2 Gy)	10 (14)
	Fludarabine + Busulfan (6.4 mg/kg) + Thiotepa	8 (12)
	Fludarabine + Melphalan (100 mg/m ²) + Thiotepa	3 (4)
	Fludarabine + Melphalan	2 (3)
	Fludarabine + Melphalan + TBI (2 Gy)	1 (1)
	Fludarabine + Busulfan (2 mg/kg)	1 (1)

NMA (N=27; 39%)	Fludarabine + Cyclophosphamide + TBI (2 Gy)	27 (39)
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Gy: Grays; MAC: Myeloablative Conditioning; NMA: Nonmyeloablative Conditioning; RIC: Reduced Intensity Conditioning; TBI: Total Body Irradiation

Supplementary Table 3: Effect of spleen size at BMT on outcomes

Spleen Size, cm (N=62)	OS			RFS			GRFS		
	HR	CI	P-value	HR	CI	P-value	HR	CI	P-value
per 5 cm increase	0.99	0.58-1.70	0.98	1.21	0.79-1.86	0.38	0.98	0.68-1.40	0.90
≥20/<20 cm	0.89	0.32-2.47	0.83	0.94	0.42-2.15	0.89	1.06	0.54-2.08	0.87
≥21/<21 cm	0.46	0.13-1.62	0.23	0.71	0.29-1.74	0.45	0.74	0.35-1.56	0.43
≥22/<22 cm	0.72	0.20-2.58	0.62	1.40	0.58-3.39	0.45	0.69	0.30-1.59	0.38
≥23/<23 cm	0.90	0.25-3.22	0.87	1.87	0.78-4.53	0.16	0.92	0.40-2.12	0.85
≥24/<24 cm	0.35	0.04-2.66	0.31	1.59	0.59-4.27	0.36	0.84	0.33-2.19	0.73
≥25/<25 cm	0.61	0.08-4.72	0.64	2.00	0.68-5.92	0.21	1.14	0.40-3.25	0.81

Spleen Size, cm (N=62)	NRM			Relapse		
	HR	CI	P-value	HR	CI	P-value
per 5 cm increase	0.94	0.56-1.61	0.83	1.90	1.00-3.58	0.049
≥20/<20 cm	0.85	0.29-2.51	0.77	1.52	0.42-5.53	0.52
≥21/<21 cm	0.35	0.07-1.65	0.18	2.25	0.62-8.12	0.22
≥22/<22 cm	0.57	0.12-2.73	0.48	4.57	1.31-16.0	0.017
≥23/<23 cm	0.73	0.15-3.50	0.69	6.00	1.76-20.4	0.004
≥24/<24 cm	0.46	0.06-3.59	0.46	5.30	1.58-17.7	0.007
≥25/<25 cm	0.82	0.10-6.52	0.85	4.27	1.22-15.0	0.023

BMT: Blood or Marrow Transplantation; CI: 95% Confidence intervals; GRFS: GVHD-free relapse-free survival; HR: Hazard ratio; NRM: Non-relapse mortality; OS: Overall survival; RFS: Relapse free survival