Effect of allogeneic hematopoietic cell transplantation in first complete remission on post-relapse complete remission rate and survival in acute myeloid leukemia

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Supplemental Tables

Table 1: Multivariable logistic regression model for CR2 with first salvage, n = 161

	OR	95% CI	P-value
Myeloablative HCT in CR1 (ref = No-HCT)	1.34	(0.47, 3.84)	0.59
RIC HCT in CR1 (ref = No-HCT)	1.74	(0.54, 5.6)	0.36
High intensity salvage (ref = Average intensity)	1.21	(0.47, 3.11)	0.7
Low intensity salvage (ref = Average intensity)	0.4	(0.13, 1.19)	0.1
Length of CR1 (months)	1.02	(1, 1.04)	0.019
PS 2+ (ref = PS 0-1)	0.43	(0.16, 1.18)	0.1
Age (years)	1.01	(0.99, 1.04)	0.31
Favorable cyto (ref = Adverse)	5.47	(1.17, 25.57)	0.031
Intermediate cyto (ref = Adverse)	1.71	(0.67, 4.33)	0.26
Insufficient/Missing cyto (ref = Adverse)	0.93	(0.25, 3.43)	0.91

Table 2: Multivariable Cox regression model for survival after first salvage (Time-dependent Cox regression analyses with the covariate of HCT in CR2)

Covariate	HR	95% CI	P-value
Myeloablative HCT in CR1 (ref = No-HCT in CR1)	0.74	(0.39, 1.4)	0.36
RIC HCT in CR1 (ref = No-HCT in CR1)	0.83	(0.44, 1.58)	0.57
High intensity salvage (ref = Average intensity)	0.84	(0.47, 1.51)	0.56
Low intensity salvage (ref = Average intensity)	1.49	(0.82, 2.69)	0.19
Length of CR1 (months)	0.99	(0.98, 1)	0.14
PS 2+ (ref = PS 0-1)	1.85	(1.12, 3.05)	0.016
Age (years)	1	(0.98, 1.02)	0.93
Favorable cyto (ref = Adverse)	0.37	(0.15, 0.94)	0.038
Intermediate cyto (ref = Adverse)	0.67	(0.4, 1.12)	0.12
Insufficient/Missing cyto (ref = Adverse)	0.77	(0.39, 1.54)	0.46
HCT in CR2 (ref = No-HCT in CR2)	0.54	(0.28, 1.06)	0.073

Regression analyses with high/average intensity grouped together

Table 3 Multivariable logistic regression model for CR2 with first salvage, n = 161

	OR	95% CI	P-value
HCT in CR1 (ref = No-HCT)	1.45	(0.63, 3.34)	0.38
High/average intensity salvage (ref = Low intensity)	0.35	(0.15, 0.82)	0.017
Length of CR1 (months)	1.02	(1, 1.04)	0.02
PS 2+ (ref = PS 0-1)	0.43	(0.16, 1.17)	0.1
Age (years)	1.02	(0.99, 1.04)	0.25
Favorable cyto (ref = Adverse)	5.5	(1.18, 25.6)	0.03
Intermediate cyto (ref = Adverse)	1.74	(0.69, 4.4)	0.24
Insufficient/Missing cyto (ref = Adverse)	0.97	(0.27, 3.52)	0.96

Table 4: Multivariable Cox regression model for survival after first salvage

Covariate	HR	95% CI	P-value
HCT in CR1 (ref = No-HCT in CR1)	0.81	(0.5, 1.31)	0.39
High/average intensity salvage (ref = Low intensity)	1.67	(1.06, 2.61)	0.026
Length of CR1 (months)	0.99	(0.98, 1)	0.14
PS 2+ (ref = PS 0-1)	1.85	(1.13, 3.06)	0.015
Age (years)	1	(0.99, 1.02)	0.92
Favorable cyto (ref = Adverse)	0.38	(0.15, 0.96)	0.04
Intermediate cyto (ref = Adverse)	0.67	(0.4, 1.11)	0.12
Insufficient/Missing cyto (ref = Adverse)	0.74	(0.38, 1.44)	0.37
HCT in CR2 (ref = No-HCT in CR2)	0.53	(0.28, 1.03)	0.061