

Supplementary Tables

TABLE S1. Pre-treatment characteristics of 114 HLH patients

Characteristics	Included patients n=90	Excluded patients n=14	Z-value	P-value
Demographic data				
Age, median, range (years)	62(43-72)	53(39.5-69)	-0.486	0.627
Male/Female	55/90	10/14		0.460
Clinical characteristics data				
Fever $\geq 38.5^{\circ}\text{C}$	81/90	12/14		0.629
Splenomegaly	55/90	10/14		0.460
Laboratory data				
HGB, median, range (g/L)	82(69-104)	78(70-93.5)	-0.024	0.981
PLT, median, range ($\times 10^9/\text{L}$)	39(20-72)	42(13-119)	-0.116	0.908
ANC, median, range ($\times 10^9/\text{L}$)	1.34(0.57-3.04)	0.92(0.8-1.43)	-1.208	0.227
ALB, median, range (g/L)	29.5(26.3-33.7)	29.3(26.15-31.4)	-0.129	0.898
ALT, median, range (U/L)	52(27-144)	47(9.55-121.45)	-0.967	0.334
AST, median, range (U/L)	115.8(41-215)	75(27.05-237.2)	-0.705	0.481
Cr, median, range ($\mu\text{mol/L}$)	65(42-90)	65(50.5-96.5)	-0.553	0.580
TC, median, range (mmol/L)	2.6(2.04-3.41)	2.47(1.805-3.47)	-0.268	0.789
TG, median, range (mmol/L)	2.21(1.7-3.24)	1.99(1.36-3.5)	-0.123	0.902
HDL-C, median, range (mmol/L)	0.4(0.25-0.64)	0.38(0.265-0.585)	-0.281	0.779
LDL-C, median, range (mmol/L)	0.99(0.68-1.68)	1.02(0.78-1.275)	-0.604	0.546

LDH, median, range (U/L)	658(332-1242)	807(409.5-1321)	-0.575	0.565
FIB, median, range (g/L)	2.32(1.38-3.4)	1.87(1.2-2.26)	-0.676	0.499
FDP, median, range (µg/L)	12.11(5.12-23.7)	11.4(5.9-25.885)	-0.214	0.831
D-dimer, median, range (µg/L)	4.12(1.77-9.38)	5.47(2.405-11.875)	-0.504	0.614
Ferritin >1000µg/L	79/87	9/10		0.934

TABLE S2. Global test of the final Cox proportional hazards model

Variable	Chi-Square	P-value
Age	0.226	0.634
AST	4.066	0.044
PLT	3.495	0.062
Splenomegaly	2.614	0.106
GLOBAL	8.061	0.089

TABLE S3. Coefficients for the final model

Variable	Model Coefficient (β)
Age	0.036911392
AST	0.002162216
PLT	-0.008674203
Splenomegaly	0.765446583

TABLE S4. Univariable Cox regression of sCD25 and ferritin

Variable	Univariate analysis	
	P-value	HR (95%CI)
sCD25	0.779	1.00000 (0.99999-1.00001)
Ferritin	0.162	1.00007 (0.99997-1.00016)