

**Supplementary Table 1. Univariate and Multivariate analyses of factors associated with liver failure in general population.**

<b>Univariate</b>					
Factors	B	SE	Wald	OR (95%CI)	P value
Heparin	0.779	0.180	18.825	2.180[1.533,3.099]	0.000
Gender	-0.231	0.267	0.749	0.794[0.470,1.340]	0.387
Age	-0.004	0.006	0.371	0.996[0.985,1.008]	0.542
Height	0.021	0.014	2.055	1.021[0.992,1.050]	0.152
Weight	0.038	0.005	50.523	1.026[1.028,1.050]	0.000
Malignant tumor	-0.169	0.287	0.347	0.845[0.482,1.481]	0.556
Laparoscopic	0.109	0.241	0.205	1.116[0.695,1.790]	0.651
Smoking	-1.168	0.218	28.744	0.311[0.203,0.476]	0.000
Ethnicity	0.112	0.185	0.365	1.118[0.778,1.607]	0.546
Hypertension	-0.036	0.178	0.041	0.965[0.681,1.366]	0.840
PVTT	-1.292	0.308	17.558	0.275[0.150,0.503]	0.000
Diabetes	0.344	0.474	0.527	1.410[0.557,3.570]	0.468
Cirrhosis	-0.897	0.202	19.674	0.408[0.274,0.606]	0.000
Portal hypertension	-1.311	0.221	35.274	0.270[0.175,0.416]	0.000
COPD	0.411	0.473	0.755	1.508[0.597,3.809]	0.385
CKD	-1.116	0.280	15.919	0.328 [0.189,0.567]	0.328
Transfusion	2.165	0.196	122.287	8.718[5.939,12.796]	0.000
<b>Laboratory tests*</b>					
TBIL	0.058	0.012	23.350	1.060[1.035,1.085]	0.000
AST	0.001	0.000	10.517	1.001[1.000,1.001]	0.001
ALT	0.000	0.000	2.444	1.000[1.000,1.001]	0.118
LDH	0.000	0.000	6.222	1.000[1.000,1.000]	0.013
ALB	-0.768	0.156	24.377	0.464[0.342,0.629]	0.000
Cr	0.156	0.072	4.759	1.169[1.016,1.345]	0.029
BUN	0.009	0.005	3.081	1.009[0.999,1.019]	0.079
GFR	0.009	0.005	3.081	1.009[0.999,1.019]	0.079
WBC	0.005	0.013	0.172	1.005[0.980,1.031]	0.679
PLT	-0.005	0.001	25.312	0.995[0.993,0.997]	0.000
INR	0.506	0.109	21.416	1.658[1.339,2.054]	0.000
PT	0.035	0.009	13.992	1.036[1.017,1.055]	0.000
APTT	0.008	0.005	2.715	1.008[0.999,1.017]	0.099
<b>Multivariate</b>					
<b>PVTT</b>	1.342	0.482	7.734	3.825[1.486,9.844]	0.005
<b>Transfusion</b>	1.199	0.297	16.248	3.316[1.851,5.940]	0.000

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<b>PLT</b>	0.048	0.019	6.558	0.533[0.374,0.760]	0.010
<b>ALB</b>	-0.629	0.181	12.099	0.473[0.296,0.755]	0.001

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