Supplementary table 1. Verification of assumptions of statistical tests (t-test or Mann-Whitney U test).

	No ACLF group – distribution normality assessment				ACLF group – distribution normality assessment				Variations' equity assessment			Test decision
	W	p	L	p	W	p	L	p	F	df	p	
For table 1:												
Age (years)	0,959 11447 6	0.0374	0.1255310 92	p < 0.05	0.9697 20136	0.0354	0.08093371 65	p < 0.20				Mann-Whitney U test
Days of hospitalization (IQR)	0.939 06685 4	0.0041	0.1401733 1	p < 0.01	0.7402 2501	p<0.0001	0.19666771 4	p < 0.01				Mann-Whitney U test
Child-Pough score	0.921 61668 5	0.011	0.1761025 27	p < 0.01	0.9622 4743	0.064375 7323	0.15867826	p < 0.01				Mann-Whitney U test
MELD $_{Na}$	0.973 82359 7	0.282430 875	0.1139051 87	p < 0.10	0.9600 49387	0.0209	0.11175091 9	p < 0.05				Mann-Whitney U test
MELD	0.986 99824 6	0.781237 979	0.0637081 479	p > 0.20	0.9733 39589	0.075186 6382	0.09196516 7	p < 0.10	5.54	37.08 1025 6	0.02	t-test
Hemoglobin (IQR) g/dL	0.975 90817 5	0.261339 282	0.0894482 497	p > 0.20	0.0830 85233 9	p<0.0001	0.53060676 7	p < 0.01				Mann-Whitney U test
RBC ± SD 10^6/uL	0.983 12945 9	0.551809 47	0.0822910 104	p > 0.20	0.9877 44957	0.582394 094	0.05936008 45	p > 0.20	3.49518 874	86	0.06	t-test
WBC (IQR) 10^3/uL	0.880 47716 4	p<0.000 1	0.1175003 12	p < 0.05	0.8715 54016	p<0.0001	0.13513288 6	p < 0.01				Mann-Whitney U test
PLT (IQR) 10^3/uL	0.874 61230 5	p<0.000 1	0.1335856 77	p < 0.01	0.8589 04036	p<0.0001	0.13108885	p < 0.01				Mann-Whitney U test
PT (IQR) %	0.903 33255 7	0.0002	0.1047842 33	p < 0.10	0.9380 44849	0.0005	0.09199847 27	p < 0.10				Mann-Whitney U test

	No ACLF group – distribution normality assessment				ACLF group – distribution normality assessment				Variations' equity assessment			Test decision
	W	p	L	p	W	p	L	p	F	df	p	
Fibrynogen (IQR) mg/dL	0.95749007	0.0406	0.0880599574	p > 0.20	0.909527019	p<0.0001	0.124260448	p < 0.01				Mann-Whitney U test
Albumin (IQR) g/dL	0.894931379	0.160148743	0.184751475	p > 0.20	0.854610933	0.0159	0.18126196	p < 0.20				Mann-Whitney U test
Ammonia	0.85301300 6	0.002	0.251634641	p < 0.01	0.875757335	0.0004	0.252539309	p < 0.01				Mann-Whitney U test
Bilirubin (IQR) mg/dL	0.85414021 4	p<0.0001	0.153073384	p < 0.01	0.794365156	p<0.0001	0.201211603	p < 0.01				Mann-Whitney U test
AST (IQR) IU/L	0.81450139 1	p<0.0001	0.160045902	p < 0.01	0.393541521	p<0.0001	0.294547752	p < 0.01				Mann-Whitney U test
ALT (IQR) IU/L	0.69686944 6	p<0.0001	0.265909148	p < 0.01	0.432239208	p<0.0001	0.329935527	p < 0.01				Mann-Whitney U test
Urea (IQR) mg/dL	0.90693249 7	0.0003	0.149130982	p < 0.01	0.749380769	p<0.0001	0.163391176	p < 0.01				Mann-Whitney U test
BUN mg/dL	0.89810039 9	0.0003	0.150533442	p < 0.01	0.739968298	p<0.0001	0.18199966	p < 0.01				Mann-Whitney U test
Creatinine (IQR) mg/dL	0.83612766 8	p<0.0001	0.192139543	p < 0.01	0.659724883	p<0.0001	0.246582765	p < 0.01				Mann-Whitney U test
Na mmol/L	0.90325382 1	0.0005	0.136688508	p < 0.05	0.886265329	p<0.0001	0.154778343	p < 0.01				Mann-Whitney U test
K mmol/L	0.97151723 5	0.255443963	0.097208077	p > 0.20	0.946252089	0.0046	0.112897613	p < 0.05				Mann-Whitney U test

	No ACLF group – distribution normality assessment				ACLF group – distribution normality assessment				Variations' equity assessment			Test decision
	W	p	L	p	W	p	L	p	F	df	p	
CRP (IQR) mg/L	0.650 37721 2	p<0.000 1	0.2572389 33	p < 0.01	0.6559 83776	p<0.0001	0.24531319 3	p < 0.01				Mann-Whitney U test

W – Shapiro-Wilk test statistics,
L – Lilliefors test statistics,
F - Levene test statistics,
df – degrees of freedom