

Supplementary Table S19. Evaluation of component ranking variations in the hierarchical composite endpoint using win ratio analysis in ACLF.

Outcome	High risk % wins	Low risk % wins	Win ratio (95% CI)	Win odds (95% CI)	Net benefit (95% CI)	P-value for Win ratio
Composite endpoint of 28-days death, 90-day death, organ failure ≥ 2 , sepsis and SIRS	49.7	24.9	1.99 (1.19-3.35)	1.66 (1.13-2.44)	0.25 (0.05-0.44)	0.009
Composite endpoint of 90-day death, organ failure ≥ 2 , sepsis, SIRS and new onset AD within 1 month	50.4	24.9	2.02 (1.21-3.39)	1.68 (1.14-2.48)	0.26 (0.06-0.45)	0.007
Composite endpoint of 90-day death, sepsis, new onset AD within 1 month and SIRS	46.7	20.3	2.29 (1.31-4.03)	1.72 (1.18-2.50)	0.26 (0.07-0.45)	0.004
Composite endpoint of 90-day death, organ failure ≥ 2 , sepsis and SIRS	49.7	23.6	2.11 (1.24-3.57)	1.71 (1.16-2.51)	0.26 (0.07-0.45)	0.006
Composite endpoint of 90-day death, organ failure ≥ 2 , SIRS and sepsis	49.5	23.8	2.08 (1.23-3.53)	1.69 (1.15-2.49)	0.26 (0.06-0.45)	0.007
Composite endpoint of 90-day death, sepsis, organ failure ≥ 2 and SIRS	50.5	22.7	2.22 (1.31-3.79)	1.77 (1.20-2.62)	0.28 (0.08-0.47)	0.003

Note: ACLF, acute-on-chronic liver failure; AD, acute decompensation; SIRS, systemic inflammatory response syndrome.