

**Table S1** Primary cause of infection in bacterial sepsis patients

Patient Number	Gender	Age (years)	Primary cause of infection
1	Male	63	Acute cholangitis
2	Male	74	Severe pneumonia
3	Male	65	Acute peritonitis
4	Male	83	Acute peritonitis
5	Male	80	Acute peritonitis
6	Male	60	Acute peritonitis
7	Male	64	Pneumonia
8	Female	31	Pneumonia
9	Male	54	Pneumonia
10	Male	57	Acute peritonitis
11	Male	68	Acute peritonitis
12	Male	71	Acute peritonitis
13	Male	86	Acute peritonitis
14	Male	70	Acute peritonitis
15	Female	88	Acute peritonitis
16	Male	88	Acute peritonitis
17	Female	67	Acute cholangitis
18	Male	40	Acute peritonitis
19	Male	79	Acute peritonitis
20	Male	75	Acute peritonitis
21	Male	72	Acute peritonitis
22	Male	82	Acute suppurative cholangitis
23	Female	78	Acute peritonitis
24	Male	72	Acute peritonitis
25	Male	77	Bacterial liver abscess
26	Male	92	Acute peritonitis

**Table S2** Normal reference range of laboratory tests

Variable	Zhongshan Hospital	Jin-Yin Tan Hospital
Immunological status		
White blood cell count ( $\times 10^9/L$ )	3.5-9.5	3.5-9.5
Neutrophil count ( $\times 10^9/L$ )	40-75	1.8-6.3
Lymphocyte count ( $\times 10^9/L$ )	1.1.-3.2	1.1-3.2
Monocyte count ( $\times 10^9/L$ )	0.1-0.6	0.1-0.6
Eosinophil count ( $\times 10^9/L$ )	0.02-0.52	0.02-0.52
Basophil count ( $\times 10^9/L$ )	0.00-0.06	0.00-0.06
IL-6 (pg/mL)	<3.4	0-7
PCT ( $\mu g/L$ )	<0.5	<0.5
CRP (mg/mL)	0-10	0-5
Organ function		
Hemoglobin (g/L)	130-175	130-175
Total protein (g/L)	65-85	65-85
Albumin (g/L)	35-55	40-55
Globulin (g/L)	20-40	20-40
A/G	1.2-2.4	1.2-2.4
Total bilirubin ( $\mu mol/L$ )	3.4-20.4	0-26
Direct bilirubin ( $\mu mol/L$ )	0.0-6.8	0-8
ALT (U/L)	9-50	9-50
AST (U/L)	15-40	14-40
Creatinine ( $\mu mol/L$ )	44-115	57-97
Urea (mmol/L)	2.9-8.2	3.1-8.0
LDH (U/L)	109-245	120-250
Myohemoglobin (ng/mL)	28-72	0-146.9
Coagulation		
Platelet count ( $\times 10^9/L$ )	125-350	125-350
APTT (second)	25.0-31.3	21-37
PT (second)	10.0-13.0	10.5-13.5
Fibrinogen (g/L)	2-4	2-4
INR	0.50-1.20	0.8-1.2
D-dimer (g/L)	0.00-0.80	0-1.5

IL-6, interleukin-6; PCT, procalcitonin; CRP, C-reactive protein; A/G, albumin/globulin ratio; ALT, alanine aminotransferase; AST, aspartate aminotransferase; LDH, lactate dehydrogenase; APTT, activated partial thromboplastin time; PT, prothrombin time; INR, international normalization ratio; PCT, procalcitonin; IL-6, interleukin-6.

**Table S3** Supplementary clinical data

Variable	Sepsis N=26	Normal reference range	Variable	COVID-19, N=53	Normal reference range
CK-MB, median (IRQ)	3.50 (2.30, 18.70), N=23/26	(0-24) U/L	CK-MB	21.00 (14.50, 25.50), N=53	(0-4.87) ng/mL
Pro-BNP, median (IRQ)	1711.00 (886.70, 3471.50), N=25/26	(0-300) pg/mL	Pro-BNP	1844.00 (827.75,4043.00), N=12/53	Null
-	-	-	BNP, median(IRQ)	104.60 (52.80, 291.60), N=39/53	(0-100) pg/mL
cTnT, median (IRQ)	0.04 (0.02,0.11), N=26	<0.03 ng/mL	High sensitive-cTnI	0.05 (0.01, 0.64), N=49/53	(0-0.028) ng/mL
Ferritin	3 (50%), N=6/26	(13-150) ng/mL	Ferritin	17 (35.4%), N=48/53	(21.8-274.66) ng/mL

COVID-19, coronavirus disease 2019; CK-MB, creatine kinase isoenzyme-MB; Pro-BNP, pro-type B natriuretic peptide; cTnT, cardiac troponin T; cTnI, cardiac troponin I; ICU, intensive care unit; SD, standard deviation; IQR, interquartile range.