



Figure S1 Representative abdominal imaging in the COVID-19 patients with biliary infection rapidly progressing to sepsis. Representative abdominal imaging from the COVID-19 patient, the abdominal CT scan on 17 February 2020 showed that the gallbladder was normal without edema and exudation (A) and the CBD stones were found at the inferior extremity of CBD (B). The gallbladder was swelling with thick wall and exudation (C) and the CBD stones was still at the inferior extremity of CBD (D) on 5 March 2020. After three-dimensional reconstruction, we found that the stone was in the neck of the gallbladder and the CBD was slightly dilated caused by the CBD stones (E). A T-tube cholangiography was conducted to make sure the clearance of the CBD stones on 20 March 2020 (F). COVID-19, coronavirus disease 2019; CT, computed tomography; CBD, common bile duct.

Table S1 The detailed information of antibodies

Antibody to	Mono/polyclonal	Clone	Application (dilution)
CD2	Mouse	AB75	IHC (ready-to-use)
CD3	Rabbit	SP7	IHC (ready-to-use)
CD4	Rabbit	EP204	IHC (ready-to-use)
CD8	Mouse	SP16	IHC (ready-to-use)
CD20	Mouse	L26	IHC (ready-to-use)
CD38	Mouse	MXO44	IHC (ready-to-use)
CD68	Mouse	KP1	IHC (ready-to-use)
MPO	Rabbit	RAB-0379	IHC (ready-to-use)

IHC, immunohistochemistry.

Table S2 Results of lymphocyte subpopulations in peripheral blood of the patient with SARS-CoV-2 infection

Parameter	Reference range	Jan. 30	Feb. 1	Feb. 2	Feb. 3	Feb. 5	Feb. 7	Feb. 9	Feb. 11	Feb. 13	Feb. 15	Mar. 7
CD3 ⁺ lymphocytes count (per μ L)	955–2,860	1,054	905	1,512	1,920	1,741	1,469	1,292	1,066	1,142	1,180	68
CD3 ⁺ T cells count/lymphocytes count (%)	50–84	58.31	60.77	63.30	66.25	67.46	68.05	71.54	66.80	68.81	70.55	35.35
CD3 ⁺ CD4 ⁺ lymphocytes count (per μ L)	550–1,440	596	538	926	1,184	1,037	882	826	650	723	795	40
CD3 ⁺ CD4 ⁺ T cells count/lymphocytes count (%)	27–51	33.00	36.13	38.77	40.85	40.19	40.88	45.75	40.74	43.58	47.51	20.86
CD3 ⁺ CD8 ⁺ lymphocytes count (per μ L)	320–1,250	331	287	465	519	519	468	376	337	342	338	22
CD3 ⁺ CD8 ⁺ T cells count/lymphocytes count (%)	15–44	18.33	19.26	19.47	17.90	20.11	21.69	20.85	21.14	20.61	20.21	11.43
CD3 ⁺ CD4 ⁺ /CD3 ⁺ CD8 ⁺ ratio	0.71–2.78	1.80	1.87	1.99	2.28	2.00	1.88	2.20	1.93	2.11	2.35	1.82