Figure E6 (A) Forest plots of biochemical parameters in severe and non-severe patients of COVID-19 (1) CK

Study	Total	Mean	Severe SD	Total	No Mean	n-severe SD		ardised Mean)ifference	SMD	95%-CI	Weight (fixed)	Weight (random)
S.Alhumaid 2021	205	497.40	1314.0000	809	204.00	673.4000			0.35	[0.19; 0.50]	19.3%	4.1%
QX.Cai 2020	58	103.64	90.3905	240	68.01	35.0536		1.00	0.70	[0.41; 0.99]	5.4%	3.9%
L.Cai 2021	48	109.06	115.4000	37	67.50	50.9009			0.44	[0.01; 0.88]	2.4%	3.6%
JT.Cao 2020	153	63.57	17.1941	91	60.35	14.3126		<u> </u> ∎-¦	0.20	[-0.06; 0.46]	6.8%	4.0%
G.Chen 2020	11	210.69	202.7294	10	68.80	22.3601			0.92	[0.01; 1.83]	0.6%	2.3%
ZL.Lu 2020	34	90.65	84.9900	67	81.56	94.3500			0.10	[-0.31; 0.51]	2.7%	3.6%
Y.Feng 2020	124	119.79	121.0788	352	91.57	61.7835		-	0.35	[0.14; 0.55]	10.8%	4.1%
MF.Han 2020	32	72.26	52.7703	122	65.32	31.2844			0.19	[-0.20; 0.58]	3.0%	3.7%
S.Kazancioglu 2020	35	826.61	1665.7707	85	424.86	811.4646		- m ¹	0.35	[-0.04; 0.75]	2.9%	3.7%
Q.Li 2020	26	252.18	238.4373	296	83.96	46.9327			2.09	[1.65; 2.52]	2.4%	3.6%
J.Liu 2020	13	101.44	39.0361	27	54.93	18.0018			1.72	[0.95; 2.49]	0.8%	2.7%
JC.Liu 2021	79	125.21	117.0461	43	98.15	98.1543		- <u>-</u>	0.24	[-0.13; 0.62]	3.3%	3.7%
PZ.Mo 2020	85	96.75	60.3319	70	102.12	65.0966		-	-0.09	[-0.40; 0.23]	4.6%	3.8%
Y.Sun 2020	19	134.67	136.3436	44	97.77	113.3893			0.30	[-0.24; 0.84]	1.6%	3.3%
YL.Wang 2020	8	102.50	68.8200	35	115.53	66.8627	-		-0.19	[-0.96; 0.58]	0.8%	2.7%
F.Wang 2020	14	220.40	128.3000	14	84.50	41.1800			1.38	[0.55; 2.22]	0.7%	2.5%
JJ.Xie 2020	34	52.37	31.1509	22	50.47	20.4066			0.07	[-0.47; 0.60]	1.6%	3.3%
B.Xu 2020	107	108.28	84.7502	80	79.59	58.8870		-	0.38	[0.09; 0.67]	5.4%	3.9%
Y.Yang 2020	36	101.90	77.9674	14	87.81	42.4227			0.20	[-0.42; 0.82]	1.2%	3.1%
QH.Zhang 2020	27	123.21	127.5777	47	58.12	22.9421			0.82	[0.32; 1.31]	1.9%	3.4%
Y.Ling 2020	21	262.57	253.6157	271	82.69	46.0597			- 2.24	[1.76; 2.72]	2.0%	3.4%
YJ.Chen 2020	36	100.04	18.5920	107	76.98	12.2100			1.63	[1.21; 2.05]	2.6%	3.6%
TX. Xiang 2020	9	182.70	134.1000	40	129.20	138.2000			0.38	[-0.34; 1.11]	0.9%	2.8%
RY.He 2020	69	86.88	65.1164	135	59.62	35.9693		- 10	0.57	[0.27; 0.86]	5.2%	3.9%
I.Cekerevac 2021	70	128.19	148.9600	57	137.66	275.6648		-	-0.04	[-0.39; 0.31]	3.7%	3.8%
K.Deng 2021	17	69.12	75.9877	149	55.16	30.6925			0.37	[-0.13; 0.87]	1.8%	3.4%
Y.Liu 2020	30	127.38	135.4451	46	104.56	58.9247			0.23	[-0.23; 0.70]	2.1%	3.5%
L.Quartuccio 2021	22	154.46	133.1380	45	100.35	71.4107			0.56	[0.04; 1.08]	1.7%	3.3%
J.Duan 2020	20	188.34	209.0357	328	68.16	36.4856			1.98	[1.51; 2.46]	2.0%	3.5%
Fixed effect model	1442			3683				6	0.49	[0.42; 0.56]	100.0%	
Random effects mode										[0.41; 0.82]		100.0%
Heterogeneity: $I^2 = 88\%$,	$\tau^2 = 0.26$	683, p < 0	0.01							,		
U U							-2 -1	0 1 2				
						Favou	ir Non-sev	ere Favour Severe)			

(2) cTnI

Study	Total	Mean	Severe SD	Total	No Mean	on-severe SD		SMD	95%-CI	Weight (fixed)	Weight (random)
M.Betti 2021	82	14.58	18.8656	89	18.87	6.7821	· <u>−</u> - :	-0.31	[-0.61; 0.00]	7.6%	7.2%
JT.Cao 2020	153	14.80	17.2402	91	6.00	0.0001	1 <u>+</u>- -	0.64	[0.38; 0.91]	9.8%	7.4%
M.Eleni 2021	17	10.00	5.6587	68	8.76	9.8462	2	0.13	[-0.40; 0.67]	2.4%	5.5%
G.Li 2021	211	105.00	374.0000	312	37.00	278.0000)	0.21	[0.04; 0.39]	22.5%	8.0%
JC.Liu 2021	79	12.41	14.8007	43	4.51	7.1327	/	0.62	[0.24; 1.00]	4.8%	6.6%
GC.Pei 2020	189	8.58	8.8251	144	4.71	3.3698	3	0.55	[0.33; 0.77]	14.1%	7.7%
P.Sinha 2020	8	91.14	189.4236	31	17.29	18.6525	5	0.86	[0.06; 1.66]	1.1%	3.8%
T.Stachura 2021	47	15.64	19.1949	53	4.73	4.0388	3	0.80	[0.39; 1.21]	4.1%	6.4%
F.Wang 2020	14	109.79	109.7874	14	4.73	4.2835	5 .	- 1.31	[0.48; 2.14]	1.0%	3.7%
JJ.Xie 2020	34	3.39	3.6375	22	2.07	1.8623	3	0.42	[-0.12; 0.97]	2.3%	5.4%
SQ.Xiong 2020	55	6.00	8.8000	61	7.00	4.6000)	-0.14	[-0.51; 0.22]	5.2%	6.7%
F.Yang 2020	19	49.60	88.1000	33	10.00	0.0001	I	0.74	[0.15; 1.32]	2.0%	5.1%
QH.Zhang 2020	27	46.26	79.7556	47	3.09	3.1354	1 	0.89	[0.39; 1.39]	2.8%	5.8%
YL.Zheng 2020	31	24.80	37.7700	57	5.47	2.5800)	0.86	[0.40; 1.31]	3.3%	6.1%
RY.He 2020	69	22.30	28.0000	135	6.00	0.1000) —	1.00	[0.69; 1.31]	7.4%	7.2%
ZJ.Li 2021	90	122.84	225.2751	164	5.23	5.6095	5	0.88	[0.61; 1.14]	9.6%	7.4%
Fixed effect model	1125			1364			6	0.48	[0.40; 0.56]	100.0%	
Random effects mode							\$	0.56	[0.35; 0.77]		100.0%
Heterogeneity: $I^2 = 82\%$,	$t^2 = 0.13$	369, p <	0.01					1			
							-2 -1 0 1	2			
						Fav	our Non-severe Favour Seve	ere			

(3) ALB

Study	Total Mea	Severe an SD	Total	Non-severe Mean SD	Standardised Mean Difference	SMD	95%-CI	Weight (fixed)	Weight (random)
L.Cai 2021	48 29.	90 4.7000	37	34.60 4.8000		-0.98	[-1.44; -0.53]	2.4%	3.9%
MF.Han 2020	32 37.	60 3.7900	122	41.90 3.7500		-1.14	[-1.55; -0.73]	2.9%	4.3%
S.Karahan 2020	102 32.	00 5.0000	47	36.00 5.0000	- 1	-0.80	[-1.15; -0.44]	3.9%	4.7%
YM.Lu 2020	9 33.	31 5.6200	44	38.91 5.4000		-1.02	[-1.76; -0.27]	0.9%	2.1%
GC.Pei 2020	189 33.	39 4.2305	144	36.60 4.9000	-	-0.71	[-0.93; -0.48]	9.9%	6.1%
Y.Sun 2020	19 34.	89 5.9946	44	40.22 4.2314		-1.09	[-1.67; -0.52]	1.5%	3.0%
JH.Wang 2020	129 32.	70 4.2000	70	37.70 4.1000		-1.20	[-1.51; -0.88]	5.0%	5.2%
J.Yuan 2020	92 40.	32 3.5089	122	42.92 2.2300	*	-0.91	[-1.19; -0.63]	6.1%	5.5%
Y.Ling 2020	21 35.	80 4.6000	271	40.90 3.8000		-1.32	[-1.77; -0.86]	2.4%	3.9%
G.Chen 2020	11 30.	48 3.7323	10	37.27 2.5800	i	-2.01	[-3.10; -0.92]	0.4%	1.2%
JX.Chen 2020	17 38.	89 9.2964	407	42.72 4.9772		-0.74	[-1.22; -0.25]	2.1%	3.6%
Y.Feng 2020		36 5.6863	352	38.99 5.6275	*	-1.00	[-1.21; -0.78]	10.7%	6.2%
CL.Lei 2020		71 4.6379		40.00 4.4744	+	-0.95	[-1.26; -0.64]	5.2%	5.2%
G.Li 2021		35 5.2251		40.65 3.7239	-		[-1.16; -0.79]	14.5%	6.5%
JC.Liu 2021		49 3.7757		33.16 3.6047	-+-	-0.98	[-1.37; -0.59]	3.2%	4.4%
ZH.Lv 2021		42 5.4127		36.28 6.1483			[-0.90; -0.08]	2.9%	4.2%
PZ.Mo 2021		00 6.0332		39.00 4.5416			[-0.87; -0.23]	4.7%	5.1%
QH.Zhang 2020		55 2.7394		38.04 4.9708			[-2.03; -0.96]	1.7%	3.3%
FE.Song 2021		99 5.8667		40.69 5.1186	-	-1.42	[-1.69; -1.16]	7.1%	5.7%
SH.Li 2020		36 5.4903		41.29 4.6018			[-1.93; -0.84]	1.7%	3.2%
H.Wang 2020		33 5.2169		38.45 4.0412	-		[-0.98; 0.06]	1.8%	3.4%
ZJ.Li 2021		52 4.0700	-	35.51 4.7100			[-1.38; -0.83]	6.5%	5.6%
J.Duan 2020	20 2.	90 1.7000	328	3.10 2.6000		-0.08	[-0.53; 0.37]	2.4%	3.9%
Fixed effect model	1559		3196		6	-0.96	[-1.03; -0.89]	100.0%	
Random effects mode	el				•	-0.96	[-1.08; -0.83]		100.0%
Heterogeneity: $I^2 = 66\%$,	$\tau^2 = 0.0587$,	p < 0.01							
				-	-3 -2 -1 0 1 2	3			

-3 -2 -1 0 1 2 3 Favour Non-severe Favour Severe

Figure E6 (A) (Continued)

(4) AST

Study	Total	Mean	Severe SD	Total	No Mean	n-severe SD	Standardised Mean Difference	SMD	95%-CI	Weight (fixed)	Weight (random)
S.Alhumaid 2021	205	109 50	283.0000	809	66 80	463.5000	i i	0 10	[-0.05; 0.25]	11.3%	2.6%
G.Li 2021	211	42.60	27.2000		31.20	38.1000			[0.16; 0.51]	8.6%	2.6%
J.Liu 2020	13	25.90	9.5000		51.20	18.7000			[-2.26; -0.77]	0.5%	1.7%
Y.Sun 2020	19		108.1023		29.86	15.3749	<u><u></u></u>	0.60	[0.05; 1.15]	0.9%	2.0%
JT.Cao 2020	153	36.10	17.7487		25.82	13.5593	i i i i i i i i i i i i i i i i i i i	0.63	[0.36; 0.89]	3.8%	2.5%
G.Chen 2020	11	50.13	39.4432		24.00	4.3000			[-0.03; 1.78]	0.3%	1.4%
YL.Dong 2020	53	33.97	16.1933		24.99	15.4346	- Â	0.57	[0.23; 0.91]	2.3%	2.4%
M.Eleni 2021	17	47.12	37,1855	68	29.12	12.1185	с. 	0.91	[0.36; 1.46]	0.9%	2.0%
MF.Han 2020	32	32.53	13.5806	122	25.70	10.5031	+	0.61	[0.21; 1.00]	1.7%	2.3%
S.Kazancioglu 2020	35	44.53	57.2005	85	72.79	141.0259	- m (-0.23	[-0.62; 0.17]	1.7%	2.3%
Q.Li 2020	26	41.07	21.1770	296	24.75	9.6845		1.48	[1.06; 1.89]	1.5%	2.2%
JC.Liu 2021	79	46.34	25.6746	43	33.67	19.9410	<u>+</u>	0.53	[0.15; 0.91]	1.9%	2.3%
PZ.Mo 2021	85	42.64	30.1660	70	30.94	11.3541	÷.	0.49	[0.17; 0.81]	2.6%	2.4%
GC.Pei 2020	189	38.04	22.7240	144	27.51	13.4793	20 C	0.54	[0.32; 0.77]	5.4%	2.5%
S.Salto-Alejandre 2021	85	43.93	27.1494	236	29.94	17.3491		0.68	[0.43; 0.94]	4.1%	2.5%
FE.Song 2021	107	37.02	24.0461	188	26.05	12.7003		0.62	0.38; 0.86]	4.5%	2.5%
ZY.Tao 2021	20	32.62	24.3343	202	22.70	7.4667	6	0.98	[0.51; 1.45]	1.2%	2.2%
YL.Wang 2020	8	37.25	19.1100	35	34.84	13.9136		0.16	[-0.61; 0.93]	0.4%	1.6%
JH.Wang 2020	129	34.58	19.8680	70	22.34	9.2346	c t t	0.72	[0.42; 1.02]	3.0%	2.4%
JJ.Xie 2020	34	30.40	14.5113	22	26.55	14.2648		0.26	[-0.28; 0.80]	0.9%	2.0%
B.Xu 2020	107	37.02	24.0461	80	21.70	9.0595		0.80	[0.50; 1.10]	2.9%	2.4%
Y.Yang 2020	36	30.95	13.2328	14	35.00	16.4748		-0.28	[-0.90; 0.34]	0.7%	1.9%
QH.Zhang 2020	27	40.43	23.4806	47	22.48	11.4710	<u><u></u></u>	1.06	[0.55; 1.56]	1.0%	2.1%
Y.Ling 2020	21	42.13	22.2609	271	24.40	8.9436	6 	1.70	[1.23; 2.16]	1.2%	2.2%
L. Bergantini 2021	10	28.79	32.2501	14	21.04	10.7086		0.34	[-0.48; 1.16]	0.4%	1.6%
M.Bettil 2021	82	42.70	19.6202		28.49	17.7088	*	0.76	[0.45; 1.07]	2.7%	2.4%
RY.He 2020	69	29.64	10.7518	135	22.34	8.8424		0.76	[0.46; 1.06]	3.0%	2.4%
SH.Li 2020	26	33.44	21.9613		24.35	8.4366	-	0.60	[0.10; 1.10]	1.1%	2.1%
T.Stachura 2021	47	49.90	25.2363		32.24	13.3357	100 m	0.88	[0.47; 1.30]	1.6%	2.2%
H.Wang 2020	24	32.50	11.3244		21.02	8.9848	÷	1.14	[0.58; 1.69]	0.9%	2.0%
Yan Zhao(b) 2021	74	41.06	32.5115		29.25	17.1682	1	0.53	[0.26; 0.80]	3.7%	2.5%
ZL.Lu 2020	34	25.64	12.1500		26.21	14.6000	÷ č		[-0.45; 0.37]	1.6%	2.2%
TX. Xiang 2020	9	38.10	15.7000		25.10	10.3000	<u>ę</u>	1.12	[0.36; 1.88]	0.5%	1.7%
QX.Cai 2020	58	37.52	15.4325		27.05	9.6957	2	0.95	[0.65; 1.24]	3.0%	2.4%
JX.Chen 2020	19	40.12	17.6213		25.38	10.2301	(1.40	[0.93; 1.86]	1.2%	2.2%
F.Wang 2020	14	44.80	20.8000		22.20	7.2000		1.41	[0.57; 2.25]	0.4%	1.5%
ZL.Wang 2020	14	42.32	31.3022		28.83	13.7029		0.72	[0.12; 1.32]	0.7%	1.9%
SQ.Xiong 2020	55	41.18	25.1220		34.53	20.5005		0.29	[-0.08; 0.66]	2.0%	2.3%
F.Yang 2020	19	32.29	28.0339		31.29	20.1488			[-0.52; 0.61]	0.8%	2.0%
YL. Zheng 2020	30	51.23	88.6700		26.53	12.7300	- 10	0.48	[0.03; 0.92]	1.4%	2.2%
L.Cai 2020	48	32.39	16.4311		25.18	11.1828		0.50	[0.06; 0.93]	1.4%	2.2%
M.Wang 2021	100	49.26	28.5703		26.51	9.7645		1.08	[0.80; 1.37]	3.2%	2.4%
D.Akdogan 2021		241.53	82.3800		27.16	18.0600		⊢ 4.34	[3.78; 4.90]	0.9%	2.0%
N.Gupta 2020	-		142.7700		41.73	25.6700	c	1.24	[0.85; 1.64]	1.7%	2.3%
J.Duan 2020	20	45.00	34.0000		28.00	22.0000	- () (0.74	[0.29; 1.20]	1.3%	2.2%
ZJ.Li 2021	90	42.92	29.3837	164	25.33	11.8172		0.88	[0.61; 1.15]	3.7%	2.5%
Fixed effect model	2633			6027			li ∳	0.62	[0.57; 0.67]	100.0%	
Random effects model Heterogeneity: $I^2 = 89\%$, τ		62 n - 1	0.01					0.71	[0.55; 0.87]		100.0%
1 eterogeneity. 7 – 09%, 1	- 0.20	502, p < 1	0.01				-4 -2 0 2 4				
						Favou	ur Non-severe Favour Sever	е			

(5) ALT

a			Severe			n-severe	Standardised Mean			Weight	Weight
Study	Total	mean	50	Total	Mean	SD	Difference	SMD	95%-01	(fixea)	(random)
S.Alhumaid 2021	205	92.60	227.6000	809	43.20	84.0000		0.39	[0.24; 0.54]	10.9%	4.0%
G.Li 2021			40.7000		35.20	38.2000		0.15	[-0.02; 0.33]	8.5%	3.8%
Y.Sun 2020	19	61.21	101.7829	44	29.48	19.3993		0.54	[0.00; 1.09]	0.9%	1.5%
YL.Wang 2020	8	41.25	61.2200	35	18.13	12.3677		0.82	[0.03; 1.61]	0.4%	0.9%
M.Betti 2021	82	34.52	21.1295	89	27.82	18.0856	- 	0.34	[0.04; 0.64]	2.8%	2.8%
QX.Cai 2020	58	29.36	15.8126	240	20.44	11.3738	 	0.72	[0.43; 1.01]	3.0%	2.9%
L.Cai 2021	48	32.83	21.3987	37	30.28	21.9799		0.12	[-0.31; 0.55]	1.4%	2.0%
JT.Cao 2020	153	32.22	21.4669	91	26.52	19.5856	- 	0.27	[0.01; 0.53]	3.8%	3.2%
G.Chen 2020	11	41.45	14.8442	10	17.15	7.3100	·	— 1.96	[0.88; 3.04]	0.2%	0.5%
JX.Chen 2020	17	35.90	20.6137	410	26.36	14.9411		0.63	[0.14; 1.11]	1.1%	1.8%
YL.Dong 2020	53	32.59	21.7181	94	24.99	15.4346	-*	0.42	[0.08; 0.76]	2.2%	2.6%
M.Eleni 2021	17	35.08	25.0598	68	22.65	12.8759		0.77	[0.23; 1.32]	0.9%	1.5%
MF.Han 2020	32	32.24	21.3409	122	24.41	18.0054	- } -	0.42	[0.02; 0.81]	1.7%	2.2%
S.Kazancioglu 2020	35	53.20	78.8439	85	77.96	147.8133		-0.19	[-0.58; 0.21]	1.7%	2.2%
Q.Li 2020	26	28.14	15.6867	296	23.40	13.4093	-÷	0.35	[-0.05; 0.75]	1.6%	2.2%
J.Liu 2020	13	33.94	22.4250	27	19.36	10.1749	+	0.94	[0.25; 1.64]	0.5%	1.1%
JC.Liu 2021	79	39.11	25.6746	43	32.19	28.3776		0.26	[-0.11; 0.63]	1.9%	2.4%
PZ.Mo 2021	85	29.06	18.8537	70	22.82	13.6249	-÷-	0.37	[0.05; 0.69]	2.5%	2.7%
GC.Pei 2020	189	28.69	16.7509	144	22.11	14.9771	*	0.41	[0.19; 0.63]	5.4%	3.5%
FE.Song 2021	107	48.86	59.0120	188	30.98	27.0815	+	0.43	[0.19; 0.67]	4.5%	3.3%
PR.Tepasse 2021	31	44.51	28.4990	9	31.95	20.9923		0.45	[-0.30; 1.20]	0.5%	0.9%
JH.Wang 2020	129	28.99	18.3686	70	18.91	11.3541	÷=	0.62	[0.32; 0.91]	2.9%	2.9%
JJ.Xie 2020	34	39.46	32.3118	22	29.23	20.6047		0.36	[-0.18; 0.90]	0.9%	1.5%
B.Xu 2020	107	31.86	28.5955	80	18.70	16.9866		0.54	[0.24; 0.83]	3.0%	2.9%
Y.Yang 2020	36	24.01	9.4878	14	26.18	12.3561		-0.21	[-0.83; 0.41]	0.7%	1.3%
QH.Zhang 2020	27	39.36	24.2632	47	27.54	21.4126		0.52	[0.04; 1.00]	1.1%	1.8%
Y.Ling 2020	21	37.39	26.2361	271	22.75	12.6701		1.04	[0.59; 1.49]	1.3%	1.9%
L.Bergantini 2021	10	19.58	12.4701	14	14.05	6.5899			[-0.27; 1.39]	0.4%	0.8%
RY.He 2020	69	24.30	12.4933	135	18.19	11.3903		0.52	[0.22; 0.81]	3.0%	2.9%
SH.Li 2020	26	39.15	42.3540	43	23.84	16.8732		0.52	[0.02; 1.02]	1.1%	1.7%
ZY.Tao 2021	20	23.51	16.5154	202	20.46	12.6935		0.23	[-0.23; 0.69]	1.2%	1.9%
Yan.Zhao(b) 2021	74	21.35	6.8047	211	20.00	5.9716		0.22	[-0.05; 0.48]	3.7%	3.1%
ZL.Lu 2020	34	18.09	8.9100	67	24.78	21.3400		-0.37	[-0.78; 0.05]	1.5%	2.1%
TX. Xiang 2020	9	32.00	11.2000	40	20.70	11.8000	+	0.95	[0.20; 1.70]	0.5%	0.9%
F.Wang 2020	14	26.09	20.5935	14	18.16	12.5209		0.45	[-0.30; 1.20]	0.5%	0.9%
ZL. Wang 2020	14	35.87	23.8885	55	26.83	18.2705		0.46	[-0.13; 1.05]	0.7%	1.4%
CM.Wu 2020	84	36.41	23.3834	117	28.93	17.6393	- <u>+</u> -	0.37	[0.09; 0.65]	3.2%	3.0%
SQ.Xiong 2020	55	28.77	14.4642	61	25.18	16.7041		0.23	[-0.14; 0.59]	1.9%	2.4%
F.Yang 2020	19	29.00	25.6310	33	37.69	34.0979		-0.27	[-0.84; 0.29]	0.8%	1.4%
YL. Zheng 2020	30	42.37	48.8800	62	31.68	27.7500		0.29	[-0.14; 0.73]	1.3%	2.0%
L.García de Guadiana-Romualdo 2021	25	32.80	22.7974	74	28.12	18.1460		0.24	[-0.22; 0.69]	1.3%	1.9%
M. Wang 2021	100	37.82	25.1619	111	22.60	10.5156			[0.52; 1.08]	3.3%	3.0%
D.Akdogan 2021	57	26.32	17.5500	118	27.79	27.0000		-0.06	[-0.38; 0.26]	2.6%	2.7%
N.Gupta 2020	32	96.15	190.8800	168	44.16	39.0200			[0.24; 1.00]	1.8%	2.3%
J.Duan 2020	20	43.00	31.0000	328	28.00	21.0000		0.69	[0.24; 1.15]	1.3%	1.9%
ZJ.Li 2021	90	30.63	19.7398	164	25.81	19.4461	-	0.25	[-0.01; 0.50]	3.9%	3.2%
Fixed effect model	2615			5744				0.37	[0.32; 0.43]	100.0%	
Random effects model							•		[0.31; 0.47]		100.0%
Heterogeneity: $l^2 = 54\%$, $\tau^2 = 0.0372$, $p < 0.0272$.01					Г					
с, с, с, р. с.						-3	3 -2 -1 0 1 2	3			

-3 -2 -1 0 1 2 3 Favour Non-severe Favour Severe

Figure E6 (A) (Continued)

(6) LDH

Study	Total	Mean	Severe	Total	No Mean	n-severe SD	Standardised Differen		95%-C	Weight	Weight (random)
-							Differen				
T.Stachura 2021			131.5300		236.24		-		[0.86; 1.73]		2.0%
JC.Liu 2021 YL.Zhou 2020			141.8100 98.5500		252.54	94.3400 153.4600			[0.77; 1.57 [-1.23; 0.86		2.0% 1.2%
QH.Zhang 2020			206.6300			56.5900			[0.57; 1.58		1.2%
Y.Yang 2020			218.2300			259.8900	_+		[-0.94; 0.30]		1.7%
F.Yang 2020			136.1600		219.20		-		[0.66; 1.89		1.7%
SQ.Xiong 2020			126.3700		238.24				[0.09; 0.83		2.0%
JJ.Xie 2020	34	204.27	58.8200	22	179.60	48.3400	+-	0.44	[-0.10; 0.99]	1.0%	1.8%
CM.Wu 2020			151.6200			82.1900			[0.98; 1.59]		2.1%
ZL.Wang 2020			232.3000			70.8000			[1.11; 2.44		1.7%
YL.Wang 2020			128.7000			211.4100	+•		[-0.36; 1.19		1.5%
F.Wang 2020 Y.Sun 2020			362.2800 50.0500		258.37	44.8900 1.0800	-		[0.48; 2.14		1.4% 1.4%
PZ.Mo 2020			181.7500			105.9700	-		[3.04; 4.82] [-0.01; 0.63		2.1%
YM.Lu 2020			132.6200			109.6200	-		[0.46; 1.98]		1.5%
J.Liu 2020			190.6000		221.50				[1.13; 2.73		1.5%
DY.Liao 2020			154.3100		195.24				[1.22; 1.68		2.2%
Q.Li 2020	26	412.23	127.8500	296	228.91	58.1100			[2.31; 3.22		1.9%
S.Kazancioglu 2020			395.7700			288.8400	*		[-0.01; 0.78		2.0%
Y.Feng 2020			95.3300			90.8100			[0.97; 1.41]		2.2%
L.Chen 2020			178.3000		264.00				[0.16; 1.71]		1.5%
JX.Chen 2020			170.1600		240.30				[1.65; 2.67		1.9%
G.Chen 2020 JT.Cao 2020			232.4200		225.52	44.2900 70.0600	-		[0.82; 2.95		1.1% 2.1%
QX.Cai 2020			123.4100 280.5200			133.5000		1.28	[1.00; 1.57 [0.61; 1.20		2.1%
TX.Xiang 2020			144.3000			72.6000			[1.65; 3.43		1.3%
ZL.Lu 2020			173.4800		216.81		-		[0.13; 0.97		2.0%
Y.Ling 2020			148.6700		229.44				[2.37; 3.37		1.9%
D.Li 2020	44	425.67	187.4600	18	192.80	78.4300	-		[0.80; 2.01		1.7%
YJ.Chen 2020			57.4900		222.00	5.4900		- 1.68	[1.25; 2.11		2.0%
L.García de Guadiana- Romualdo 202			154.0800			81.6600	-		[0.76; 1.73		1.9%
MS. Asghar 2021			360.3500			339.8900	-		[0.73; 1.38		2.1%
K.Deng 2021			137.0200			59.1400			[1.06; 2.13		1.8%
L. Bergantini 2020 M.Betti 2021			253.7010 302.6000			83.7745 200.4486		0.78	[-0.07; 1.62]		1.4% 2.1%
I.Cekerevac 2021			313.3000			287.5300	- + - - - -	0.90	[0.03, 1.27]		2.1%
M.Eleni 2021			135.8100			110.5809		0.83	[0.29; 1.38]		1.8%
SH.Li 2020			109.8100		195.58			0.94	[0.43; 1.45		1.9%
J.Marín-Corral 2021	36	467.01	232.4700	13	222.81	81.3900	-	1.17	[0.49; 1.85	0.6%	1.6%
RY.He 2021			114.3300	135	192.57	50.2100		1.19	[0.88; 1.50]	2.9%	2.1%
N.Awano 2020			148.6700		217.97		-	- 1.40	[0.79; 2.01]		1.7%
ZY.Tao 2021			152.7900		173.70			1.86	[1.37; 2.36		1.9%
H.Wang 2020			122.6400			32.7200			[0.51; 1.61]		1.8%
S.Salto-Alejandre 2021 S.Alhumaid 2021	205		138.0100 24.2000	230	14.20	106.3600 18.7000	-	1.07	[0.81; 1.34]		2.2% 2.2%
ZJ.Li 2021			246.3700			86.6100		6	[1.06; 1.62		2.2 %
R.Gozalbo-Rovira 2020			638.3266			366.2966	-	l.	[0.02; 1.15		1.8%
A.Kaal 2021			194.3650			148.9150	-#-		[0.16; 0.90]		2.0%
MF.Han 2020	32	333.30	107.0927	122	229.79	50.6401			[1.13; 1.98		2.0%
CL.Lei 2020			67.0950		190.10						2.1%
JH.Wang 2020			150.3222			47.6871	+		[0.65; 1.26		2.1%
L.Quartuccio 2021			323.7313			157.5630	-+	0.68	[0.16; 1.21		1.8%
D.Akdogan 2021			82.3800		191.36		-	0.89	[0.56; 1.22]		2.1%
Y.Liu 2020	30	448.95	288.7900	46	225.96	52.0400	-	- 1.19	[0.69; 1.69]	1.1%	1.9%
Fixed effect model	2606			5860				1.07	[1.01; 1.12]	100.0%	
Random effects model									[1.02; 1.35]		100.0%
Heterogeneity: $I^2 = 88\%$, $\tau^2 = 0.2986$, $p < 0.2986$).01								-		
							-4 -2 0	2 4			
						Favo	ur Non-severe Fa	vour Severe			

(7) **TBIL**

Study	Total	Mean	Severe SD		Non Mean	-severe SD
•						
G.Li 2021	211	13.90	6.9000		15.70	8.5000
J.Liu 2020	13	8.80	4.1000	27	13.20	5.5000
YM.Lu 2020	9	11.03	5.2800	44	9.32	4.5300
Y.Sun 2020	19	11.52	4.8213	44	12.10	7.3988
QX.Cai 2020	58	12.73	7.5262	240	11.50	5.5937
JT.Cao 2020	153	12.08	5.2758	91	10.84	4.4821
G.Chen 2020	11	9.09	2.2054	10	7.91	2.6660
JX.Chen 2020	20	12.76	6.2312	429	11.08	5.8612
Y.Feng 2020	124	12.36	5.2758	352	10.06	4.4663
MF.Han 2020	32	12.91	7.6051	122	10.72	5.8518
CL.Lei 2020	52	17.00	15.2489	245	9.70	4.4744
Q.Li 2020	26	10.94	4.0785	296	8.32	2.9054
JC.Liu 2021	79	14.08	6.7207	43	11.25	4.5251
ZH.Lv 2021	45	13.80	8.5212	49	11.46	4.7735
FE.Song 2021	107	10.63	5.3817	188	10.35	4.3704
YL.Wang 2020	8	10.13	4.9000	35	6.40	3.2465
JH.Wang 2020	129	10.26	5.1732	70	8.92	3.4819
Y.Yang 2020	36	9.85	4.5106	14	9.70	3.1714
M.Betti 2021	89	9.88	4.2528	82	9.43	4.5161
TX. Xiang 2020	9	11.48	3.9700	40	7.50	3.3500
F.Wang 2020	14	15.80	6.8000	14	9.10	3.6000
CM.Wu 2020	84	13.16	5.6950	117	10.94	3.7906
SQ.Xiong 2020	55	11.60	6.4708	61	10.75	3.5686
ZY.Tao 2021	20	14.46	6.4626	202	10.40	3.6587
J.Duan 2020	20	13.40	6.6000	328	14.20	10.2000
ZJ.Li 2021	90	13.68	6.9315	164	9.83	4.6371
Fixed effect model	1513			3619		
Random effects mode						
Heterogeneity: $I^2 = 79\%$, 1	t ^e = 0.11	160, p <	0.01			_

Standardised Mean Difference	SMD	95%-CI	Weight (fixed)	Weight (random)
	-0.23	[-0.40; -0.05]	14.5%	5.2%
	-0.85	[-1.54; -0.16]	0.9%	2.7%
	0.36	[-0.36; 1.08]	0.9%	2.5%
	-0.08	[-0.62; 0.45]	1.5%	3.3%
+=-	0.21	[-0.08; 0.49]	5.4%	4.7%
- <u>-</u>	0.25	[-0.01; 0.51]	6.6%	4.8%
	0.47	[-0.40; 1.34]	0.6%	2.0%
	0.29	[-0.16; 0.73]	2.2%	3.8%
	0.49	[0.28; 0.70]	10.4%	5.0%
	0.35	[-0.04; 0.74]	2.9%	4.1%
	0.97	[0.66; 1.28]	4.7%	4.5%
	0.87	[0.46; 1.28]	2.7%	4.0%
	0.47	[0.09; 0.84]	3.2%	4.2%
	0.34	[-0.07; 0.75]	2.7%	4.0%
- -	0.06	[-0.18; 0.30]	7.9%	4.9%
	1.02	[0.22; 1.82]	0.7%	2.3%
	0.29	[-0.01; 0.58]	5.2%	4.6%
	0.04	[-0.58; 0.65]	1.2%	3.0%
	0.10	[-0.20; 0.40]	4.9%	4.6%
	1.13	[0.37; 1.89]	0.8%	2.4%
	1.20	[0.38; 2.01]	0.7%	2.2%
- <u>1</u> = -	0.47	[0.19; 0.76]	5.5%	4.7%
	0.16	[-0.20; 0.53]	3.3%	4.2%
	1.02	[0.55; 1.49]	2.0%	3.7%
	-0.08	[-0.53; 0.37]	2.2%	3.8%
	0.69	[0.43; 0.95]	6.4%	4.8%
\$	0.29	[0.23; 0.36]	100.0%	
\diamond	0.36	[0.20; 0.52]		100.0%

(8) MYO

			Severe		Nor	-severe
Study	Total	Mean	SD	Total	Mean	SD
QX.Cai 2020	58	74.11	50.8969	240	34.15	12.3583
JT.Cao 2020	153	55.67	41.1803	91	36.39	21.1148
Y.Feng 2020	124	49.08	51.5714	352	18.87	27.2071
JC.Liu 2021	79	99.91	83.8201	43	50.51	39.4985
T.Stachura 2021	47	119.36	83.4327	53	58.15	29.9481
ZY.Tao 2021	20	24.88	25.8502	202	21.26	17.0989
SQ.Xiong 2020	55	70.33	66.4590	61	31.96	20.3487
YL.Zheng 2020	31	97.50	229.1000	57	28.96	17.2200
Fixed effect model	567			1099		
Random effects mod Heterogeneity: $l^2 = 81\%$		270. p <	0.01			

Standardised Mean Difference	SMD	95%-CI	Weight (fixed)	Weight (random)
;	1.60	[1.28; 1.91]	13.3%	13.2%
	0.55	[0.28; 0.81]	18.8%	13.9%
	0.86		29.3%	14.5%
	0.69		9.0%	12.2%
	0.99		7.6%	11.7%
	0.20	[-0.26; 0.66]	6.2%	11.1%
-2		[0.41: 1.17]	9.1%	12.2%
- * 3	0.50		6.7%	11.3%
•	0.82	[0.71; 0.94]	100.0%	
\diamond		[0.51; 1.06]		100.0%

-1.5 -1

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Favour Non-severe Favour Severe

___ Т

-2 -1 0 1 2 Favour Non-severe Favour Severe

Figure E6 (A) (Continued)

(9) CRN

Study	Total	Mean	Severe SD	Total	Non Mean	-severe SD	Standardised Mean Difference	SMD	95%-CI	Weight (fixed)	Weight (random)
S.Alhumaid 2021	205	92.50	81.4000	809	84.50	92.7000	÷ 1	0.09	[-0.07; 0.24]	11.3%	3.3%
MF.Han 2020	32	64.90	19.6000			15.9000	- 		[-0.29; 0.48]	1.8%	2.5%
G.Li 2021	211	83.20	57.1000	312	66.60	30.7000			[0.21; 0.56]	8.6%	3.2%
J.Liu 2020	13	64.00	13.3000			28.3000	<u>i</u>		[-1.08; 0.26]	0.6%	1.6%
YM.Lu 2020	9	120.98	111.8700	44	70.18	18.2400		- 1.06	[0.31; 1.80]	0.5%	1.4%
M.Betti 2021	82	51.07	22.0159	89	65.64	17.9929	į		[-1.03; -0.41]	2.8%	2.8%
JT.Cao 2020	153	63.57	17.1941	91	60.35	14.3126	+ <u></u> }		[-0.06; 0.46]	3.9%	3.0%
G.Chen 2020	11	80.16	20.3578	10	73.29	15.2221	ŧ		[-0.50; 1.23]	0.4%	1.1%
JX.Chen 2020	21	58.65	37.1678	420	61.16	18.2965		-0.13	[-0.57; 0.31]	1.4%	2.3%
YL.Dong 2020	53	66.72	16.2314	94	65.80	18.0547	<u> </u>		[-0.28; 0.39]	2.4%	2.7%
Y.Feng 2020	124	68.89	20.8638	352	65.00	17.6418		0.21	[0.00; 0.41]	6.3%	3.1%
Q.Li 2020	26	85.00	47.0600	296	63.00	17.8791		1.02	[0.61; 1.42]	1.6%	2.4%
JC.Liu 2021	79	73.15	22.8051	43	69.89	20.1711		0.15	[-0.22; 0.52]	1.9%	2.5%
ZH.Lv 2021	45	67.23	25.4116			13.7477	<u>+</u>		[-0.04; 0.78]	1.6%	2.4%
PZ.Mo 2021	85	80.06	23.3786			15.1388	- <u>C</u>	0.64	[0.32; 0.97]	2.5%	2.7%
S.Salto-Alejandre 2021	85	103.49	53.3422	236	78.21	25,1636	÷	0.72	0.47; 0.98]	4.1%	3.0%
FE.Song 2021	107	81.80	42.0898	188	64.28	18.1540		0.60	[0.36; 0.84]	4.5%	3.0%
Y.Sun 2020	19	88.21	36,1741			14.4893			[-0.08; 1.01]	0.9%	1.9%
PR.Tepasse 2021	31	91.95	65.6675			23.2007			[-0.74; 0.75]	0.5%	1.4%
JH.Wang 2020	129	72.58	20.6178	70	65.96	21.4213	<u> </u>		[0.02; 0.61]	3.1%	2.8%
JJ.Xie 2020	34	71.96	17.9940			13.5061			[-0.33; 0.52]	1.5%	2.3%
Y.Yang 2020	36	69.93	23.7215			24.3004			[-0.80; 0.44]	0.7%	1.7%
QH.Zhang 2020	27	69.94	26.4548			17.9713	<u></u>	0.54	[0.06; 1.03]	1.1%	2.1%
Y.Ling 2020	21	82.50	47.0660			18.3344		0.90	[0.45; 1.35]	1.3%	2.2%
ZL.Lu 2020	34	66.36	27.7000	67	56.00	14.0000		0.52	[0.10; 0.94]	1.5%	2.4%
TX. Xiang 2020	9	69.60	16.6000	40	68.70	25.1000	_	0.04	[-0.69; 0.76]	0.5%	1.4%
QX.Cai 2020	58	75.18	32.6896			17.8997			[0.33; 0.91]	3.1%	2.8%
XH.Chen 2020	27	73.61	27.7107	21	61.20	16.6957	- (*	0.52	[-0.06; 1.10]	0.8%	1.8%
RY.He 2020	69	74.71	28.7724	135	54.70	11.9898	§	1.03	[0.72; 1.34]	2.8%	2.8%
H.Wang 2020	24	70.53	21.3406	37	58.39	20.9773	<u> </u>	0.57	0.04; 1.09]	1.0%	2.0%
ZL.Wang 2020	14	67.82				15.6061	<u>+</u>		[-0.56; 0.61]	0.8%	1.8%
CM.Wu 2020	84	74.97	25.9858	117	69.09	17.7144	<u>⊢</u>		[-0.01; 0.55]	3.4%	2.9%
SQ.Xiong 2020	55	72.46	21.0872	61	66.06	16.3245	<u>_</u>	0.34	[-0.03; 0.71]	2.0%	2.6%
B.Xu 2020	107	82.08	27.4347	80	65.83	18.4437	<u>}</u>		[0.38; 0.97]	3.0%	2.8%
F.Yang 2020	19	72.64	39.2475			13.9491	<u>↓</u>		[-0.04; 1.11]	0.8%	1.8%
L.Cai 2020	48	76.87	18.4946			16.9670		0.40	[-0.03; 0.84]	1.4%	2.3%
K.Deng 2021	17	100.54	93.2062	149	67.22	18.3406		0.98	[0.46; 1.49]	1.0%	2.0%
Yan. Zhao(b) 2021	74	67.12	21.1703	211	44.88	52.2511	- <u></u>	0.48	0.21; 0.75]	3.7%	2.9%
N.Gupta 2020	32	100.78	121.1080	168	59.23	30.0560	<u> </u>	0.75	0.36; 1.13]	1.8%	2.5%
A.Kaal 2021		107.39	41.4850			26.3234	. 	0.76	[0.39; 1.13]	1.9%	2.5%
J.Duan 2020	20	81.00	27.0000			18.0000		0.75	[0.30; 1.21]	1.3%	2.2%
ZJ.Li 2021	90	85.88	29.0070			18.6982		0.65	[0.38; 0.91]	3.8%	2.9%
Fixed effect model	2460			5807				0.38	[0.33; 0.43]	100 0%	
Random effects model				0007				0.30		.00.0 /0	100.0%
Heterogeneity: $I^2 = 76\%$, τ		132 n < 1	0.01					0.41	[0.20, 0.02]		100.070
riotorogeneity. 7 – 70%, t	- 0.05	ο <u>ε</u> , ρ < ι	0.01				-1.5 -1 -0.5 0 0.5 1 1.5				

-1.5 -1 -0.5 0 0.5 1 1.5 Favour Non-severe Favour Severe

(10) BUN

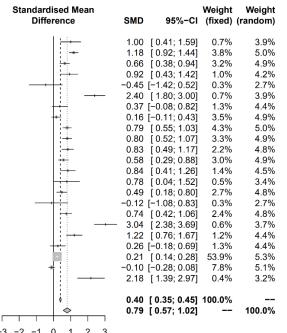
			Severe		Non-severe	Standardised Mean		
Study	Total	Mean	SD	Total	Mean SD	Difference	SMD	95%
QX.Cai 2020	58	5.14	1.9386	240	3.91 1.2157		0.89	[0.59; 1
L.Cai 2021	48	5.75	2.9805	37	4.16 1.3111		0.65	[0.21; 1
G.Chen 2020	11	6.87	3.3081	10	4.07 1.2040		1.06	[0.13; 1
JX.Chen 2020	17	7.47	6.6449	382	3.85 0.9215		2.24	[1.73; 2
XH.Chen 2020	27	8.28	2.8769	21	4.22 1.2721	· · · · ·	1.72	[1.05; 2
YL.Dong 2020	53	3.88	1.0059	94	3.75 1.3778		0.10	[-0.24; 0
Y.Feng 2020	124	5.46	2.2207	352	4.60 1.4813		0.50	[0.30; 0
Q.Li 2020	26	6.40	4.5178	296	3.55 1.3484		1.57	[1.15; 1
G.Li 2021	211	6.68	4.5900	312	4.87 3.6300		0.45	[0.27; 0
J.Liu 2020	13	3.23	0.8306	27	3.38 1.4871		-0.11	[-0.78; 0
JC.Liu 2021	79	5.44	2.1144	43	4.02 1.9711		0.69	[0.30; 1
GC.Pei 2020	189	4.97	2.3791	144	4.01 1.4228		0.47	[0.25; 0
FE.Song 2021	107	7.12	4.3841	188	4.54 1.8602	<u> </u>	0.85	[0.60; 1
Y.Sun 2020	19	6.82	6.3627	44	4.05 1.1324		0.76	[0.21; 1
ZY.Tao 2021	20	5.65	3.1116	202	4.55 1.4187		0.67	[0.21; 1
F.Wang 2020	14	9.24	3.3773	14	4.45 2.0594		1.66	[0.78; 2
JH.Wang 2020	129	5.12	2.3242	70	3.91 1.3625		0.59	[0.29; 0
CM.Wu 2020	84	6.06	2.6023	117	4.37 1.5012	1 <u>1</u>	0.83	[0.54; 1
SQ.Xiong 2020	55	5.15	2.6645	61	4.04 1.3667		0.53	[0.16; 0
Bo.Xu 2020	107	6.51	3.0740	80	4.25 1.7138	1	0.87	[0.57; 1
Y.Yang 2020	36	4.84	1.8328	14	4.42 1.4168		0.24	[-0.38; 0
MF.Han 2020	32	4.27	1.7073	122	3.74 0.9753		0.46	[0.07; 0
Yan.Zhao(b) 2021	74	4.74	1.5122	211	4.21 1.2690		0.40	[0.13; 0
D.Akdogan 2021	57	10.68	3.2752	118	9.89 3.0118	<u>+</u> }	0.26	[-0.06; 0
J.Duan 2020	20	4.10	2.6000	328	4.00 1.4000		0.07	[-0.38; 0
Fixed effect model	1610			3527		\$	0.62	[0.55; 0
Random effects mode							0.69	[0.53; 0
Heterogeneity: I ² = 80%,	$\tau^2 = 0.12$	209, p <	0.01					
						-2 -1 0 1 2		

evere SD	Standardised Mean Difference	SMD	95%-CI	Weight (fixed)	Weight (random)
2157		0.89	[0.59; 1.18]	5.0%	4.6%
.3111		0.65	[0.21; 1.09]	2.3%	3.9%
.2040		1.06	[0.13; 1.99]	0.5%	1.9%
.9215		2.24	[1.73; 2.75]	1.7%	3.5%
2721	· · · · · · · · · · · · · · · · · · ·	1.72	[1.05; 2.40]	1.0%	2.8%
.3778	- <u>-</u>	0.10	[-0.24; 0.44]	3.9%	4.4%
.4813		0.50	[0.30; 0.71]	10.2%	5.1%
.3484		1.57	[1.15; 1.99]	2.5%	4.0%
.6300		0.45	[0.27; 0.62]	14.0%	5.2%
.4871		-0.11	[-0.78; 0.55]	1.0%	2.8%
.9711		0.69	[0.30; 1.07]	3.0%	4.2%
.4228		0.47	[0.25; 0.69]	9.1%	5.0%
.8602		0.85	[0.60; 1.10]	7.2%	4.9%
1324		0.76	[0.21; 1.32]	1.4%	3.3%
.4187		0.67	[0.21; 1.14]	2.0%	3.8%
.0594		1.66	[0.78; 2.54]	0.6%	2.1%
.3625		0.59	[0.29; 0.89]	5.0%	4.6%
.5012	1	0.83	[0.54; 1.12]	5.1%	4.7%
.3667		0.53	[0.16; 0.90]	3.2%	4.3%
7138	+ <u>+</u>	0.87	[0.57; 1.18]	4.8%	4.6%
.4168		0.24	[-0.38; 0.86]	1.1%	3.0%
.9753		0.46	[0.07; 0.85]	2.8%	4.1%
2690			[0.13; 0.67]	6.2%	4.8%
.0118		0.26	[-0.06; 0.57]	4.4%	4.5%
.4000		0.07	[-0.38; 0.52]	2.2%	3.8%
	\$		[0.55; 0.68]	100.0%	
		0.69	[0.53; 0.85]		100.0%
Favour	-2 -1 0 1 2 Non-severe Favour Severe				

Figure E6 (B) Forest plots of biochemical parameters in non-survivors and survivors of COVID-19

(1) CK

				- ·				
			survivors			Survivors		
Study	Total	Mean	SD	Total	Mean	SD		
TL.Chen 2020	19	421.95	421.9526	36	126.97	189.1589		
T.Chen 2020	113	221.01	210.2634	161	50.80	66.9506		
F.Ciceri 2020	69	244.39	303.6240	187	125.06	104.5951		
XB.Feng 2020	20	139.27	134.0381	94	73.71	47.9979		
H.Huang 2020	5	60.06	101.5687	25	106.97	101.4092		
Y.Huang 2020	15	2.45	1.9629	136	0.67	0.4496		
YJ.Lu 2021	40	197.07	258.3604	37	119.18	131.1083		
JG.Park 2020	70	105.05	105.0504	219	91.95	73.1331		
Z.Wang 2020	116	132.25	133.7729	177	61.74	36.9982		
L.Wang 2020	65	120.71	130.4030	274	65.96	42.4797		
ZG.Wang 2021	56	141.68	139.0181	100	66.52	42.1235		
LK.Xiong 2021	85	125.51	148.5674	105	63.97	46.2284		
B.Xu 2020	28	142.71	65.6173	117	86.34	67.1795		
YL.Yan 2020	39	210.20	183.9475	9	76.80	53.1806		
CT.Yang 2021	58	136.92	137.6003	145	93.22	59.9040		
R.Zayat 2021	8	324.84	494.5565	9	387.87	479.3247		
F.Zhou 2020	54	71.71	100.1567	137	28.05	29.6699		
J.Wang 2020	16	152.73	30.3600	103	100.33	14.2100		
E.Sozio 2021	28	209.63	177.3230	83	86.46	55.8302		
O.Albalawi 2021	26	444.60	534.8000	93		575.9000		
J.Berenguer 2020	1131	125.86	119.5035	2904	105.75	83.8091		
A.d'Arminio Monforte 2020	174	89.49	53.2251	367	96.72	75.9138		
T.Li 2021	9	202.12	155.6931	63	64.96	35.1278		
Fixed effect model	2244			5581				



-3 -2 -1 0 1 2 3 Favour Survivors Favour Non-survivors

(2) cTnI

Random effects model

Heterogeneity: $I^2 = 92\%$, $\tau^2 = 0.2516$, p < 0.01

		Non	-survivors		s	urvivors	s Standardis		
Study	Total	Mean	SD	Total	Mean	SD	Differ		
DJ. Altschul 2020	621	37.50	52.0000	1733	10.00	0.0001	1		
T.Chen 2020	113	72.77	107.4596	161	4.11	3.8151			
F.Ciceri 2020	66	34.18	36.5686	156	12.00	10.9846			
RH.Du 2020	21	315.60	636.0000	158	0.00	0.0001			
M.Eleni 2021	9	43.75	67.3504	76	7.71	7.5569			
M.Elhadi 2021	281	104.18	79.0614	184	4.71	3.7360			
XB.Feng 2020	20	131.23	223.7958	94	5.62	6.8740			
H.Huang 2020	8	46.52	76.9489	27	1.90	0.3131	-		
Y.Jiang 2020	72	49.30	84.0000	143	7.40	3.0000			
G.Li 2021	95	0.20	0.4260	116	0.08	0.3620	0		
YJ.Lu 2021	40	125.85	227.9877	37	5.38	6.1698	-		
IH.Özdemir 2021	55	12.70	20.6000	295	3.70	3.0000			
OM. Peiro 2021	37	77.80	101.0305	159	12.76	15.7109			
P.Sinha 2020	17	31.68	37.1855	22	11.87	11.8709	ŀ		
MC.Viana-Llamas 2021	128	64.13	95.8998	481	9.18	9.4952			
L.Wang 2020	65	147.10	239.6000	274	10.50	8.9000			
ZG.Wang 2021	56	63.18	70.5363	100	11.06	12.7875			
YL.Yan 2020	39	101.39	175.7892	9	3.05	2.7115	ł		
CT.Yang 2021	58	50.24	80.4316	145	4.91	6.1402			
Jing.Zhang 2021	26	53.52	77.7274	182	8.63	9.5650			
F.Zhou 2020	54	37.87	59.0277	137	3.21	3.2967			
H.Yang 2020	13	1544.85	3324.7149	81	7.23	8.6046			
Z.Wang 2020	116	64.40	87.1000	177	64.40	86.7000	¢		
KY.Li 2020	15	84.68	4.6620	87	5.71	6.4831			
T.Li 2021	9	35.64	44.6962	63	3.06	2.2761			
Fixed effect model	2034			5097					

dised Mean erence	SMD	95%-CI	Weight (fixed)	Weight (random)
	1.03	[0.93; 1.13]	34.9%	4.8%
d.	0.99	[0.74; 1.25]	5.0%	4.6%
4	1.01	[0.71; 1.31]	3.5%	4.5%
	1.47	[0.99; 1.95]	1.4%	4.0%
<u>i</u>	1.62	[0.88; 2.35]	0.6%	3.3%
(a)	1.61	[1.40; 1.83]	7.1%	4.6%
	1.35	[0.84; 1.86]	1.2%	3.9%
+	1.23	[0.38; 2.08]	0.5%	2.9%
10.4	0.86	[0.56; 1.15]	3.7%	4.5%
≡ [¢]	0.31	[0.03; 0.58]	4.3%	4.5%
+	0.73	[0.26; 1.19]	1.5%	4.1%
÷.	1.05	[0.75; 1.35]	3.6%	4.5%
t -	1.42		2.2%	
+	0.75		0.7%	3.5%
ġ.	1.23	[1.02; 1.44]	7.6%	4.6%
b K	1.30	[1.01; 1.59]	3.9%	4.5%
ŧ	1.20	[0.84; 1.55]		4.3%
1 tr	0.61	[-0.13; 1.34]	0.6%	
1		[0.73; 1.37]	3.1%	
5 4	1.57	L	1.7%	4.1%
1	1.10	[0.77; 1.43]	2.9%	4.4%
1	1.27	[0.66; 1.88]	0.9%	3.6%
Ϋ́ε.	0.00	[-0.23; 0.23]		4.6%
C C		[10.68; 14.36]		
 ■ State of the st	2.11	[1.33; 2.89]	0.5%	3.1%
l i	1.04	[0.99; 1.10]	100.0%	
•	1.24	[1.01; 1.47]		100.0%

Random effects model Heterogeneity: $I^2 = 92\%$, $\tau^2 = 0.2912$, p < 0.01

5 Favour Survivors Favour Non-survivors

10

-10 -5 0

(3) ALB

Study	Non [.] Total Mea	-survivors	Total	S Mean	urvivors SD	Standardised Mean Difference	SMD	95%-01	Weight	Weight (random)
Study	Total Mea	n 50	Total	wean	50	Difference	21/10	95%-CI	(fixed)	(random)
S.Karahan 2021	69 31.0	0 5.0000	80	35.00	5.0000		-0.80	[-1.13; -0.46]	1.7%	3.2%
M.Provencio 2021	146 32.0			37.00	6.0000			[-1.04; -0.63]	4.7%	3.5%
FF.Sai 2021	15 29.8	1 4.8400	32	32.34	5.5300			[-1.09; 0.15]	0.5%	2.4%
MC. Viana-Llamas 2021	128 32.3	0 4.1100	481	35.00	3.8200	÷+-	-0.69	[-0.89; -0.50]	5.0%	3.5%
JH.Wang 2020	24 31.6	0 4.6000	175	34.90	4.7000		-0.70	[-1.13; -0.27]	1.0%	3.0%
YL.Yan 2020	39 31.0	0 5.0000	9	37.20	2.6000		-1.31	[-2.08; -0.53]	0.3%	2.1%
TL.Chen 2020	19 32.6	4 12.0145	36	34.07	13.1253		-0.11	[-0.67; 0.45]	0.6%	2.6%
T.Chen 2020	113 30.3	5 3.8298	161	36.51	4.3387	-	-1.49	[-1.76; -1.21]	2.7%	3.4%
RH.Du 2020	21 33.3	4 3.4981	158	33.95	5.6113		-0.11	[-0.57; 0.34]	0.9%	2.9%
XB.Feng 2020	20 29.9	2 4.4280	94	35.57	5.4586		-1.06	[-1.56; -0.56]	0.8%	2.8%
L.García de Guadiana-Romualdo 2021	14 35.7	3 6.5900	85	39.65	3.7710	<u> </u>	-0.91	[-1.49; -0.33]	0.6%	2.6%
Y.Jiang 2020	72 31.7			35.84	4.4185		-0.99	[-1.29; -0.69]	2.2%	3.3%
G.Li 2021	95 32.6			38.65	3.7534			[-1.63; -1.03]	2.2%	3.3%
Shohei Nakamura 2021		7 10.1790		33.64	3.9750			[-1.82; -0.26]	0.3%	2.1%
IH.Özdemir 2021	55 32.4			40.30			-1.44	[-1.75; -1.13]	2.1%	3.3%
JG.Park 2020	70 32.0			35.00	4.4780		-0.72	[-0.99; -0.44]	2.6%	3.3%
WD.Qin 2021	23 33.2			37.49	4.2513			[-1.45; -0.57]	1.0%	2.9%
P.Sinha 2020	17 22.6			23.64		÷-+		[-0.83; 0.44]	0.5%	2.4%
Z.Wang 2020	116 33.4			38.50	4.8039			[-1.38; -0.83]	2.6%	3.3%
ZG.Wang 2021	56 32.0			39.90	5.1150			[-2.12; -1.36]	1.3%	3.1%
CM.Wu 2020	44 28.9			31.07				[-0.90; -0.03]	1.0%	2.9%
LK.Xiong 2021	85 33.6			37.08	3.7584			[-1.16; -0.56]	2.2%	3.3%
CT.Yang 2021	58 28.9			32.82				[-1.10; -0.47]	2.0%	3.3%
Jing.Zhang 2021	26 31.4			34.60	6.5760			[-0.90; -0.07]	1.1%	3.0%
F.Zhou 2020	54 28.9			33.53				[-1.43; -0.76]	1.8%	3.2%
G.Açiksari 2021	36 26.0				5.9769			[-2.71; -1.87]	1.1%	3.0%
YJ.Lu 2021	40 30.3				12.4167	; —•		[-0.37; 0.53]	1.0%	2.9%
S.Ahmad 2021	109 32.6			38.00	4.4550			[-1.38; -0.97]	4.6%	3.5%
O.Albalawi 2021	26 25.7			28.80	6.2000	÷;+		[-0.90; -0.02]	1.0%	2.9%
H.Arikan 2021	225 31.3			36.44	5.3595	<u> </u>		[-1.13; -0.78]	6.3%	3.5%
J.Berenguer 2020	1131 34.0			36.00	5.9330	+		[-0.41; -0.27]	41.0%	3.7%
R.Chinnadurai 2020	86 29.0			31.35	5.2482	+		[-0.75; -0.19]	2.6%	3.3%
KY.Li 2020	15 31.3	2 4.4984	87	36.25	5.5031		-0.91	[-1.47; -0.35]	0.6%	2.6%
Fixed effect model	3058		8155			•	-0.69	[-0.73; -0.64]	100.0%	
Random effects model						\$	-0.86	[-1.03; -0.70]		100.0%
Heterogeneity: $I^2 = 91\%$, $\tau^2 = 0.1995$, $p < 0$	0.01									
						-2 -1 0 1 2				

-2 -1 0 1 2 Favour Survivors Favour Non-survivors

Figure E6 (B) (Continued)

(4) LDH

		Non-	survivors			Survivors	Standardised Mean	1		Weight	Weight
Study	Total	Mean	SD	Total	Mean	SD	Difference	SMD	95%-CI		(random)
J.Zhang 2021	26	377.48	199.4600	182	296.86	133.7600	-	0.56	[0.15; 0.97]	1.0%	2.6%
LK. Xiong 2021	85	492.09	218.7000	105	230.20	77.4200	+	1.66	[1.33; 1.99]	1.6%	2.7%
ZG.Wang 2021	56	331.46	211.7600	100	181.34	52.6500	++	1.12	[0.77; 1.47]	1.4%	2.7%
FF.Sai 2021	15	414.88	229.0100	32	282.02	121.4500	- 1 -	0.80	[0.17; 1.44]	0.4%	2.3%
WD.Qin 2021	23	458.73	136.5400	239	245.21	80.5500	+	2.46	[1.98; 2.93]	0.8%	2.6%
OM. Peiro 2021	37	350.68	157.3300	159	277.94	106.2400	+	0.62	[0.25; 0.98]	1.3%	2.7%
YJ.Lu 2021	40	568.42	144.5600	37	361.13	144.9900		1.42	[0.91; 1.92]	0.7%	2.5%
L.García de Guadiana- Romualdo 2021	14	390.93	183.6900	85	281.33	110.8600		0.88	[0.30; 1.46]	0.5%	2.4%
P.Sinha 2020	17	522.41	343.5600	22	426.08	123.6300			[-0.25; 1.03]	0.4%	2.3%
F.Zhou 2020	54	517.46	233.0600	137	264.04	74.1700	+	1.82	[1.46; 2.19]	1.3%	2.7%
YL.Yan 2020	39	538.28	299.4000	9	239.60	97.0900			[0.31; 1.83]	0.3%	2.1%
CM.Wu 2020	44		166.6800		353.23				[0.37; 1.27]	0.9%	2.6%
Z.Wang 2020	116		203.4400		231.73				[1.47; 2.02]	2.3%	2.8%
L.Wang 2020	65		214.5600			100.6100	+		[1.21; 1.80]	2.0%	2.8%
Y.Jiang 2020	72		180.9500			86.1200	+		[1.57; 2.24]	1.5%	2.7%
XB.Feng 2020	20		388.5500			127.0500	-		[1.37; 2.46]	0.6%	2.4%
F.Ciceri 2020	65		225.1700			111.1500	4		[0.56; 1.13]	2.1%	2.8%
T.Chen 2020	113		213.8700			76.4500	+		[1.74; 2.33]	2.0%	2.8%
TL.Chen 2020	19		498.2000			320.4100	:		[-0.35; 0.77]	0.6%	2.4%
R.Zayat 2021	8		220.2500			145.2000			[-0.84; 1.06]	0.2%	1.8%
MS. Asghar 2021	44		352.2800			339.4600	-		[0.91; 1.63]	1.3%	2.7%
E.Sozio 2021	28		245.2800			223.3200			[0.84; 1.76]	0.8%	2.6%
A.Capdevila-Reniu 2021	53		204.0000			108.0000			[0.32; 0.99]	1.5%	2.0%
M.Eleni 2021	9		127.7033			112.5976			[-0.15; 1.24]	0.4%	2.2%
A.López- Escobar 2021	321		317.2325						[0.28; 0.52]	12.0%	2.2%
G.Montrucchio 2021	31		295.0000			196.0000				0.6%	2.5%
S.Nakamura 2020	11		146.3214			234.0600	-#- 1 - 1 -		[0.14; 1.21] [-0.24; 1.24]	0.0%	2.5%
JG.Park 2020	70		577.1671			572.9829	T		[-0.24, 1.24] [-0.26; 0.28]	2.4%	2.1%
M.Provencio 2021	113						Ľ				2.8%
			321.5000			230.9000	1		[0.29; 0.75]	3.2%	
MC.Viana-Llamas 2021	128		198.6979			130.8652			[0.39; 0.79]	4.4%	2.9%
J.Wang 2020	16		43.2300		312.95		+		[7.42; 9.89]	0.1%	1.4%
S.Ahmad 2021			496.0842			319.2950			[1.09; 1.74]	1.6%	2.8%
O.Albalawi 2021	26		828.5000			121.8000	1		[0.31; 1.20]	0.9%	2.6%
H.Arikan 2021	225		203.6917			118.3549	12		[0.59; 0.94]	5.7%	2.9%
J.Berenguer 2020	1131		158.1008				1.5		[0.32; 0.45]	35.8%	3.0%
A.d'Arminio Monforte 2020	174		154.7416			105.6839	-		[0.56; 0.93]	5.0%	2.9%
KY.Li 2020	15		247.0039			134.1855			[0.95; 2.13]	0.5%	2.4%
T.Li 2021	9		241.4117			96.5066	1-1		[0.92; 2.42]	0.3%	2.1%
CT.Yang 2021	58	501.88	225.7861	145	290.41	120.5569	-	1.34	[1.00; 1.67]	1.6%	2.7%
Fixed effect model	3435			9874				0.72	[0.68; 0.76]	100.0%	
Random effects model								1.14	[0.94; 1.34]		100.0%
Heterogeneity: $I^2 = 95\%$, $\tau^2 = 0.3651$, $p < 0$.01										
						-	-5 0 5				
						Fa	avour Survivors Favour N	ion-survivors			

(5) AST

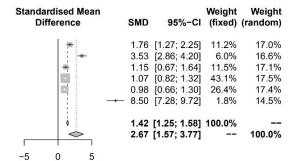
			survivors	_		Survivors	Standardised Mean			Weight	
Study	Total	Mean	SD	Total	Mean	SD	Difference	SMD	95%-CI	(fixed)	(random)
G.Li 2021	95	51.30	32.0000		39.20				[0.08; 0.63]	1.9%	3.2%
DJ. Altschul 2020	621	30.05			26.10		-		[0.12; 0.31]	16.4%	3.7%
TL.Chen 2020	19		120.1454			145.9226	-+		[-0.62; 0.50]	0.4%	2.3%
T.Chen 2020	113	47.81	27.0339		26.16	9.9491	-	1.14	[0.88; 1.40]	2.1%	3.3%
ECiceri 2020	95	55.63	36.1336	291	45.75	23.0958	+	0.37	[0.13; 0.60]	2.5%	3.4%
RH.Du 2020	21	43.05	27.4287		29.61	17.2081		0.72	[0.26; 1.18]	0.7%	2.6%
VI.Eleni 2021	9	40.32	39.3606	76	30.64	11.7132		0.58	[-0.12; 1.28]	0.3%	1.9%
KB.Feng 2020	20	63.97	67.4180	94	40.70	23.5284	1	0.66	[0.17; 1.15]	0.6%	2.5%
H.Huang 2020	10	44.37	30.7451	40	26.77	11.5339		1.03	[0.30; 1.75]	0.3%	1.8%
Y.Huang 2020	15	43.99	22.0831	136	25.11	11.9888		1.42	[0.86; 1.97]	0.4%	2.3%
Y.Jiang 2020	72	41.00	29.5034	143	27.05	14.2292		0.67	[0.38; 0.96]	1.6%	3.2%
A.López-Escobar 2021	321	40.82	23.7552	1767	34.77	15.3576		0.36	[0.24; 0.48]	9.7%	3.6%
YJ.Lu 2021	40	40.90	22.2990	37	32.13	20.0519		0.41	[-0.04; 0.86]	0.7%	2.6%
H.Özdemir 2021	55	40.35	28.1670	295	25.10	11.9196		0.98	[0.68; 1.27]	1.6%	3.2%
JG.Park 2020	70	49.35	23.4651	219	36.46	18.6564			[0.37; 0.92]	1.8%	3.2%
ND.Qin 2021	23	38.23	23.7052	239	25.40	11.9334	 	0.96	[0.52; 1.39]	0.7%	2.7%
F.Sai 2021	15	34.81	32.9202	32	23.75	22.1170			[-0.20; 1.04]	0.4%	2.1%
Z.Wang 2020	116	42.17	23.2714	177	26.40	10.4641	-		[0.69; 1.19]	2.3%	3.3%
	65	47.24	28.8100	274	31.45	15.6504	1		0.56; 1.11	1.8%	3.2%
ZG.Wang 2021	56	35.87	25.8709	100	20.24	8.6504	<u></u>		[0.57; 1.26]	1.2%	3.0%
CM.Wu 2020	44	39.84	16.8601		42.94				[-0.60; 0.26]	0.8%	2.7%
_K.Xiong 2021	85	43.11	26.7723		24.82		1		[0.64; 1.24]	1.5%	3.1%
YL.Yan 2020	39	42.77	30.0165		25.44				[-0.13; 1.34]	0.3%	1.8%
CT.Yang 2021	58	50.25	25.3154		34.51	19.4688			[0.42; 1.05]	1.4%	3.1%
Jun Zhang 2020	18	46.26	22.5248		24.58				[1.06; 2.15]	0.5%	2.3%
Jing Zhang 2021	26	37.89	20.6280		29.51	17.9344			[0.04; 0.87]	0.8%	2.8%
María C. Viana-Llamas 2021	128	37.47	28.7175		37.75	20.0759	41		[-0.21; 0.18]	3.6%	3.5%
J.Wang 2020	16	41.90	5.7000		32.30	1.8000			[2.90; 4.31]	0.3%	1.8%
3.Xu 2020	28	40.11	24.6065		25.76		 		[0.48; 1.34]	0.8%	2.7%
S.Ahmad 2021	110	69.11	37.4100		52.98				[0.28; 0.68]	3.5%	3.5%
D.Albalawi 2021			308.3000		53.30		*		[0.07; 0.95]	0.7%	2.7%
H.Arikan 2021	225	44.86	29.0988		28.60				[0.57; 0.91]	4.6%	3.5%
	1131	36.45	21.5255		33.10		+		[0.12; 0.26]	29.2%	3.7%
A.d'Arminio Monforte 2020	174	48.81	26.9116		42.10		1		[0.12; 0.20]	4.2%	3.5%
(Y.Li 2020	15	37.63			27.47		1		[0.07; 1.18]	0.4%	2.3%
Fixed effect model	3974			12083				0 40	[0.37; 0.44]	100 0%	
Random effects model	0014			12000			6	0.40	[0.07, 0.44]	100.0 /0	100.0%

(6) MYO

		Non-	Survivors				
Study	Total	Mean	SD	Total	Mean	SD	
RH.Du 2020	21	186.18	233.9784	158	36.23	33.5185	
Y.Huang 2020	15	216.50	155.7270	136	36.09	18.4328	
YJ.Lu 2021	40	287.81	261.4362	37	59.55	78.6650	
Z.Wang 2020	116	173.34	199.8335	177	36.95	21.7504	
CT.Yang 2021	58	117.66	91.0747	145	57.55	43.8797	
J.Wang 2020	16	109.40	23.9300	103	31.80	3.1900	
Fixed effect model	266			756			

I iked ellect model	200
Random effects model	
Heterogeneity: $l^2 = 97\%$, τ^2	= 1.7730, p < 0.01

Fixed effect model3974Random effects modelHeterogeneity: $l^2 = 90\%$, $\tau^2 = 0.1240$, p < 0.01



4

2 Favour Survivors Favour Non-survivors

Favour Survivors Favour Non-survivors

-2

0

-4

Figure E6 (B) (Continued)

(7) ALT

		Non-	survivors			Survivors	S	tandard	lised Mea	an			Weight	Weight
Study	Total	Mean	SD	Total	Mean	SD		Diffe	erence		SMD	95%-CI	(fixed)	(random)
DJ. Altschul 2020	621	55.15	37.8952	1733	37.50	23.7416			ia -		0.63	[0.53; 0.72]	15.8%	3.3%
G.Li 2021	95	43.60	46.8000	116	35.40	20.0000			-		0.24	[-0.04; 0.51]		3.0%
Y.Jiang 2020	72	25.12	13.6170	143	27.81	17.9737			Į.			[-0.44; 0.12]		3.0%
A.López-Escobar 2021	321	24.93	17.6489	1767	28.87	20.0317			d .			[-0.32; -0.08]		3.2%
YJ.Lu 2021	40	31.84	23.0679	37	35.46	28.5353			4		-0.14	[-0.59; 0.31]	0.7%	2.6%
IH.Özdemir 2021	55	25.35	15.9867	295	24.75	15.6445			4		0.04	[-0.25; 0.33]	1.7%	3.0%
JG.Park 2020	70	25.82	16.6526	219	22.46	12.6864			i.		0.24	[-0.03; 0.51]	1.9%	3.0%
WD.Qin 2021	23	28.01	19.1222	239	24.75	15.6626			ŧ		0.20	-0.22; 0.63	0.8%	2.7%
Z.Wang 2020	116	27.52	16.5152	117	26.81	18.0146			ģ.			-0.22; 0.30		3.1%
L.Wang 2020	65	31.06	22.7447	274	29.41	19.7121			ŧ		0.08	[-0.19; 0.35]	1.9%	3.0%
ZG.Wang 2021	56	26.34	20.3924	100	23.69	18.7299			ŧ		0.14	-0.19; 0.46	1.3%	2.9%
CM.Wu 2020	44	37.23	24.5237	40	38.02	24.6058			ŧ		-0.03	-0.46; 0.40	0.8%	2.7%
LK.Xiong 2021	85	29.50	19.0046	105	27.22	18.0404			÷		0.12	[-0.16; 0.41]	1.7%	3.0%
YL.Yan 2020	39	26.91	17.7021	9	21.86	15.7442			÷		0.29	-0.44; 1.01	0.3%	2.0%
CT.Yang 2021	58	37.13	24.8593	145	32.86	26.2080			ŧ		0.16	[-0.14; 0.47]	1.5%	3.0%
R.Zavat 2021	8	55.16	43.0671	9	32.74	10.4962			₩		0.70	[-0.29; 1.69]	0.1%	1.5%
Jun Zhang 2020	18	35.45	21.3181	93	23.41	13.5546			<u>+</u>		0.80	[0.28; 1.31]	0.5%	2.5%
Jing Zhang 2021	26	30.79	25.2555	182	27.82	20.4004			÷		0.14	[-0.27; 0.55]	0.8%	2.7%
F.Zhou 2020	54	38.23	20.5645	137	27.35	18.7310			+		0.56	[0.24; 0.88]	1.3%	2.9%
J.Wang 2020	16	42.10	9.1000	103	33.60	3.0000			+		1.97	[1.38; 2.55]	0.4%	2.3%
L.García de Guadiana-Romualdo 2021	14	32.19	26.3597	85	28.11	18.0996			ŧ		0.21	[-0.36; 0.77]	0.4%	2.4%
M.Eleni 2021	9	29.11	27.1151	76	25.12	16.6251			ŧ		0.22	-0.47; 0.91	0.3%	2.1%
TL.Chen 2020	19	49.76	62.4756	36	113.57	209.2329			+		-0.36	[-0.92; 0.20]	0.4%	2.4%
T.Chen 2020	113	47.81	27.0339	161	26.16	9.9491						[0.88; 1.40]		3.1%
F.Ciceri 2020	93	35.52	25.6031	289	39.10	23.8417			4		-0.15	[-0.38; 0.09]	2.5%	3.1%
RH.Du 2020	21	28.08	13.5156	158	25.69	19.8268			ł		0.12	-0.33; 0.58	0.7%	2.6%
XB.Feng 2020	20	53.14	40.6901	94	47.76	35.1984			ŧ		0.15	-0.34; 0.63	0.6%	2.6%
H.Huang 2020	10	26.15	27.5201	40	20.92	16.1475			ŧ		0.27	[-0.42; 0.97]	0.3%	2.1%
Y.Huang 2020	15	23.36	22.9010	136	27.05	18.7325			4		-0.19	-0.73; 0.34	0.5%	2.4%
B.Xu 2020	28	29.78	26.5594	117	24.87	21.7676			ŧ		0.21	[-0.20; 0.63]	0.8%	2.7%
S.Ahmad 2021	111	48.38	14.3463	879	63.07	51.3832			0		-0.30	[-0.50; -0.10]	3.5%	3.2%
O.Albalawi 2021	26	136.30	385.0000	93	41.40	37.5000			+		0.52	[0.08; 0.96]	0.7%	2.7%
H.Arikan 2021	225	27.32	21.6376	353	22.58	13.7709			a		0.27	[0.11; 0.44]	4.9%	3.2%
J.Berenguer 2020	1131	26.75	15.5874	2904	29.10	17.8002			i.		-0.14	[-0.21; -0.07]	29.2%	3.3%
R.Chinnadurai 2020	86	28.41	15.0800	129	31.52	22.4921			4		-0.16	[-0.43; 0.12]	1.9%	3.0%
A.d'Arminio Monforte 2020	174	30.11	17.9411	367	34.21	23.8161			d.			[-0.37; 0.00]		3.2%
KY.Li 2020	15	84.68	4.6620	87	5.71	6.4831					12.52	[10.68; 14.36]	0.0%	0.6%
Fixed effect model	3992			11867							0.10	[0.07; 0.14]	100.0%	
Random effects model							_		0		0.27	[0.10; 0.43]		100.0%
Heterogeneity: $I^2 = 93\%$, $\tau^2 = 0.2079$, $p < 0$	0.01						Г [—]			Г				
							-10	-5	0 5	10				

-10 -5 0 5 10 Favour Survivors Favour Non-survivors

(8) TBIL

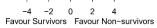
Study		Non-s Mean	urvivors SD	Total	S Mean	urvivors SD	Standardised Mean Difference	SMD	95%-CI	Weight (fixed)	Weight (random)
01:0001	05	40.00	0 4000	440	44.00	F 2000	J - 1 - 1	0.00	1 0 00: 0 041		
G.Li 2021		13.80		116		5.3000			[-0.30; 0.24]	3.5%	5.3%
T.Chen 2020		12.92	5.4819	161	8.47	4.0395			[0.69; 1.20]	4.0%	5.4%
F.Ciceri 2020		10.24	6.0500	291	9.36	4.4597			[-0.05; 0.41]	4.8%	5.5%
RH.Du 2020		11.54	6.3603	158		4.3394			[0.05; 0.97]	1.2%	4.1%
XB.Feng 2020			18.9488	94		4.1560			[0.57; 1.58]	1.0%	3.9%
Y.Jiang 2020			10.7423		11.30	4.9428			[0.38; 0.96]	3.1%	5.2%
YJ.Lu 2021		13.34		37	9.03	3.8561			[0.19; 1.11]		4.1%
S.Nakamura 2021	11		5.8020	21	8.55	2.7189			[-0.43; 1.04]	0.5%	2.7%
Silvio A. eNamendys-Silva 2021		12.34	6.3185	79		5.2942			[0.03; 0.64]	2.7%	5.1%
JG.Park 2020		11.37	6.4723	219		6.3800			[-0.19; 0.35]	3.6%	5.3%
WD.Qin 2021		13.64	6.7165		10.56	4.8480			[0.18; 1.04]	1.4%	4.3%
FF.Sai 2021			11.3115		10.65	7.7945			[-0.39; 0.84]	0.7%	3.2%
Z.Wang 2020		13.71	8.2576		11.02	4.7288			[0.14; 0.66]	3.8%	5.4%
JH.Wang 2020		11.43	6.9349	175		3.9618			[-0.01; 0.85]	1.4%	4.3%
ZG.Wang 2021			13.7725		10.95	5.3407			[0.16; 0.82]	2.4%	4.9%
CM.Wu 2020		14.91	7.2422		12.07	4.4752			[0.03; 0.90]	1.4%	4.3%
LK.Xiong 2021		14.25	6.9155	105		3.5179			[0.55; 1.15]	2.9%	5.1%
YL.Yan 2020	39		9.9285	9	8.47	4.0235	+ + + +		[-0.03; 1.45]	0.5%	2.7%
CT.Yang 2021	58		7.5262	145		4.3430			[0.35; 0.98]	2.7%	5.1%
Jing.Zhang 2021		14.16	9.4120	182		5.0814			[0.36; 1.20]	1.5%	4.4%
J.Berenguer 2020	1131	10.41	6.0927	2904	9.03	34.2000		0.05	[-0.02; 0.12]	54.9%	6.2%
KY.Li 2020	15	10.25	7.1157	87	8.85	3.6185		0.32	[-0.23; 0.87]	0.9%	3.6%
Fixed effect model	2254			5454					[0.19; 0.29]	100.0%	
Random effects model							<u> </u>	0.47	[0.32; 0.63]		100.0%
Heterogeneity: $I^2 = 84\%$, $\tau^2 = 0.105$	6, p < (0.01									
						-	-1.5 -1 -0.5 0 0.5 1 1.5	5			

-1.5 -1 -0.5 0 0.5 1 1.5 Favour Survivors Favour Non-survivors

Figure E6 (B) (Continued)

(9) CRN

			survivors			Survivors		lardised Mea			Weight	
Study	Total	Mean	SD	Total	Mean	SD	D	oifference	SMD	95%-CI	(fixed)	(random)
DJ. Altschul 2020	621	98.33	47.3033	1733	170.79	135.7913		• 18	-0.61	[-0.70; -0.52]	22.6%	2.8%
TL.Chen 2020	19	343.67	579.9017	36	282.35	500.3061				[-0.44; 0.67]	0.6%	2.5%
T.Chen 2020	113	89.41	36.0452	161	68.11	22.4415		-	0.74	[0.49; 0.99]	3.2%	2.8%
F.Ciceri 2020	95	116.11	56.5782	291	87.05	24.3766		-	0.83	[0.59; 1.07]	3.4%	2.8%
RH.Du 2020	21	89.61	38.9566	158	66.76	18.7045			1.04	[0.57; 1.50]	0.9%	2.6%
XB.Feng 2020	20	73.85	33.4297	94	73.63	19.6509		-+	0.01	[-0.47; 0.49]	0.8%	2.5%
L.García de Guadiana-Romualdo 2021	14	134.31	74.2882	85	79.21	18.6737			1.69	[1.08; 2.31]	0.5%	2.4%
H.Huang 2020	10		13.9751	40	65.93			-+	-0.38	[-1.08; 0.32]	0.4%	2.3%
Y.Huang 2020	15		35.1694	136	70.76	18.7325		1.	0.75	[0.21; 1.29]	0.7%	2.5%
Y.Jiang 2020	72		26.4774	143	61.11	19.4716			0.37		2.4%	2.7%
A.López-Escobar 2021		106.56	46.0919		76.48	19.6817		1 E 📼	1.18	[1.05; 1.30]	12.7%	2.8%
YJ.Lu 2021	40		30.7572	37						[0.02; 0.92]	1.0%	2.6%
S.Nakamura 2021	11		74.9956	21						[-0.04; 1.46]	0.3%	2.2%
SA. Namendys-Silva 2021	85		42.0071		109.11	60.7604		*		[-0.64; -0.02]	2.1%	2.7%
IH.Özdemir 2021		108.69	53.8461	295	76.47	19.7613		1		[0.85; 1.45]	2.2%	2.7%
JG.Park 2020		104.01	60.2299	219	73.84	19.7966			0.88	[0.60; 1.16]	2.5%	2.7%
WD.Qin 2021	23				60.75			15		[-0.25; 0.61]	1.1%	2.6%
FF.Sai 2021 P.Sinha 2020			102.3185		102.71	104.1205				[-0.60; 0.62]	0.5% 0.5%	2.4% 2.4%
P.Sinna 2020 MC.Viana–Llamas 2021		125.45	102.6642 50.3890	481		80.8338 23.0062			0.24	[-0.39; 0.88]	0.5% 4.8%	2.4%
Z.Wang 2020	120		33.4057	117				1	0.91	[0.71; 1.11] [0.42; 0.95]	2.8%	2.8%
L.Wang 2020	65							- 1E_	0.08	[0.42, 0.93]	2.6%	2.7%
ZG. Wang 2021	56		60.7967	100	63.53			1	0.50	[0.17; 0.83]	1.8%	2.7%
CM.Wu 2020	44			40	77.13			- 8		[-0.63; 0.23]	1.1%	2.6%
LK.Xiong 2021	85		33.7482		58.35	14.2819			0.62		2.3%	2.7%
YL.Yan 2020	39		31.5558	9	66.11			<u>.</u>	0.84		0.4%	2.2%
CT.Yang 2021	58		27.2769					<u>1</u>	0.56	[0.25; 0.87]	2.1%	2.7%
R.Zayat 2021	8		39.5048		117.21	77.3386				[-1.21; 0.70]	0.2%	1.9%
Jun.Zhang 2020	18		32.2024	93		15.5125			1.08	[0.56; 1.61]	0.7%	2.5%
Jing.Zhang 2021	26		47.4522	182	75.46	23.3895			0.71	[0.29; 1.12]	1.1%	2.6%
H.Yang 2020	13	91.11	32.3917	81	74.37	31.2728		<u> </u>	0.53	[-0.06; 1.12]	0.6%	2.4%
J.Wang 2020	16		0.8800	103	69.76	2.9100			→ 4.54		0.3%	2.2%
E.Sozio 2021	28	95.49	32.7144	83	86.65	45.0928			0.21	[-0.22; 0.64]	1.1%	2.6%
S.Ahmad 2021	115	82.67	46.4542	891	67.63	19.6955		i 🗐	0.62	[0.42; 0.82]	5.1%	2.8%
O.Albalawi 2021	26	257.70	274.7000	93	168.50	226.9000				[-0.06; 0.81]	1.0%	2.6%
H.Arikan 2021	225	118.52	65.9573	353	126.88	48.6818			-0.15	[-0.32; 0.02]	7.0%	2.8%
A.d'Arminio Monforte 2020	174	106.55	59.4755	367	76.92	26.3167		() =	0.74	[0.55; 0.92]	5.7%	2.8%
KY.Li 2020	15	37.63	24.5368	87	27.47	14.3232			0.62	[0.07; 1.18]	0.6%	2.5%
T.Li 2021	9	120.22	112.3964	63	65.46	20.7125			1.27	[0.54; 2.00]	0.4%	2.2%
Fixed effect model	2901			9264					0.38	[0.33; 0.42]	100.0%	
Random effects model								•		[0.37; 0.84]		100.0%
Heterogeneity: $I^2 = 96\%$, $\tau^2 = 0.5114$, $p < 0$.01											
							-4 -2	0 2	4			



(10) BUN

		Non-o	urvivors		6	urvivors
Study		Mean		Total	Mean	SD
DJ. Altschul 2020	621	11.95	11.9036	1733	6.44	4.7543
T.Chen 2020	113	8.93	5.1815	161	4.04	1.5709
XB.Feng 2020	20	8.49	4.8190	94	4.09	4.0854
H.Huang 2020	10	5.22	4.0678	40	3.68	1.3072
Y.Huang 2020	15	7.85	2.5355	136	4.37	1.6485
Y.Jiang 2020	72	8.11	8.1134	143	5.28	2.1718
G.Li 2021	95	8.60	5.7200	116	5.20	2.6800
YJ.Lu 2021	40	7.25	3.1526	37	3.95	1.7738
JG.Park 2020	70	8.96	5.6589	219	5.71	2.3910
Z.Wang 2020	116	8.82	5.8554	177	4.18	1.1660
L.Wang 2020	65	9.75	6.2169	274	5.35	2.3103
JH.Wang 2020	24	9.02	7.0137	175	4.38	1.5698
ZG.Wang 2021	56	7.40	4.4133	100	4.27	1.5044
CM.Wu 2020	44	7.06	2.7972	40	5.30	2.2299
LK.Xiong 2021	85	9.23	6.2971	105	4.66	1.2779
Bo.Xu 2020	28	7.74	3.7652	117	4.81	1.8690
YL.Yan 2020	39	9.46	5.0028	9	3.46	1.6619
CT.Yang 2021	58	7.60	4.0292	145	4.60	1.9469
R.Zayat 2021	8	30.16	26.7194	9	20.48	13.0782
Jun.Zhang 2020	18	6.92	3.5798	93	3.66	3.6583
Jing.Zhang 2021	26	9.88	3.5295	182	5.08	2.1671
O.Albalawi 2021	26	13.30	8.4000	93	9.10	7.7000
H.Arikan 2021	225	10.07	6.5659	353	9.62	5.6585
KY.Li 2020	15	9.45	6.7885	87	4.34	1.7339
T.Li 2021	9	11.73	14.1261	63	4.18	1.5705
Fixed effect model	1898			4701		
Random effects mode						
Heterogeneity: $I^2 = 88\%$,	$\tau^{-} = 0.18$	319, p <	0.01			

Standardised Mean Difference	SMD	95%-CI	Weight (fixed)	Weight (random)
	0.75	[0.65; 0.84]	37.0%	5.1%
	1.38	[1.11; 1.65]	4.6%	4.7%
	1.04		1.3%	3.8%
	0.71	[0.01; 1.42]	0.7%	3.0%
	1.98		1.0%	3.5%
	0.56	[0.28; 0.85]	3.9%	4.6%
	0.78	[0.50; 1.07]	4.1%	4.6%
	1.26	[0.77; 1.76]	1.4%	3.8%
-	0.93	[0.65; 1.21]	4.2%	4.6%
	1.22	[0.96; 1.47]	5.1%	4.7%
	1.29	[1.00; 1.57]	4.0%	4.6%
	1.65	[1.19; 2.10]	1.6%	3.9%
	1.07	[0.73; 1.42]	2.7%	4.4%
	0.69	[0.25; 1.13]	1.7%	4.0%
1 <u>1</u>	1.06	[0.75; 1.36]	3.5%	4.5%
 	1.24	[0.80; 1.68]	1.7%	4.0%
	1.28	[0.51; 2.06]	0.5%	2.8%
+ + +	1.10	[0.78; 1.43]	3.1%	4.5%
	0.45	[-0.52; 1.41]	0.3%	2.2%
	0.89	[0.37; 1.41]	1.2%	3.7%
	2.02	[1.56; 2.47]	1.6%	4.0%
	0.53	[0.09; 0.97]	1.7%	4.0%
★ 1	0.07	[-0.09; 0.24]	11.7%	4.9%
	1.69	,	0.9%	3.4%
	1.49	[0.75; 2.24]	0.6%	2.9%
\$	0.85	[0.80; 0.91]	100.0%	
		[0.88; 1.26]		100.0%

-2 -1 0 1 2 Favour Survivors Favour Non-survivors