

Prognostic Value of Leukocytosis and Lymphopenia for Coronavirus Disease Severity

Appendix

Appendix Table. Studies included in quantitative meta-analysis of leukocytosis and lymphopenia in non-severe vs. severe COVID-19 disease

Characteristics	Fan et al (1)		Huang et al (2)		Qian et al (3)		Qin et al (4)		Wan et al (5)		Wang et al (6)		Wu et al (7)		Zhang et al (8)	
	Non-severe	Severe *	Non-severe	Severe *	Non-severe	Severe	Non-severe	Severe	Non-severe	Severe	Non-severe	Severe *	Non-severe	Severe †	Non-severe	Severe
Location	Singapore		Wuhan, China		Ningbo, China		Wuhan, China		Chongqing, China		Wuhan, China		Wuhan, China		Wuhan, China	
Cases	58	9	28	13	82	9	166	286	95	40	102	36	117	84	82	58
Demographics																
Age in years (IQR)	41 (32,53)	54 (47,62)	49 (41,57.5)	49 (41,61)	49 (35.3,56)	66 (54–80)	43 (41.25,62)	61 (51,69)	44 (33,49)	59 (52,73)	51 (37,62)	66 (57,78)	48 (40,54)	58.5 (50,69)	51.5 (26,78)	64 (25,87)
Women (%)	27 (48.6%)	3 (33.3%)	9 (32%)	2 (15%)	NR	NR	86 (51.8%)	131 (45.8%)	43 (45.3%)	19 (47.5%)	49 (48%)	14 (38.9%)	49 (41.9%)	24 (28.6%)	44 (53.7%)	25 (43.1%)
Laboratory data																
Leukocyte x 10 ⁹ /L (IQR)	4.7 (4,5.8)	5.1 (3.5,8.2)	5.7 (3.1,7.6)	11.3 (5.8, 12.1)	4.97 (4.02,5.65)	5.23 (4.74,6.8)	4.9 (3.7,6.1)	5.6 (4.3,8.4)	5.5 (4,8)	5.2 (4.9,6.9)	4.3 (3.3,5.4)	6.6 (3.6–9.8)	5.02 (3.37,7.18)	8.32 (5.07,11.20)	4.5 (3.5,5.9)	5.3 (4,9)
Lymphocyte x 10 ⁹ /L (IQR)	1.3 (0.9,1.7)	0.5 (0.48,0.8)	1 (0.7,1.1)	0.4 (0.2,0.8)	1.4 (1.05,1.75)	0.9 (0.7,1.3)	1 (0.7,1.3)	0.8 (0.6,1.1)	1.2 (0.8,1.6)	0.8 (0.6,1)	0.9 (0.6–1.2)	0.8 (0.5–0.9)	1.08 (0.72,1.45)	0.67 (0.49,0.99)	0.8 (0.6,1.2)	0.7 (0.5,1)
Lymphocyte % (IQR)	NR	NR	NR	NR	NR	NR	21.4 (15.3–32.5)	14.1 (8.8–21.4)	NR	NR	NR	NR	NR	NR	20 (12.5–28.4)	12.7 (7.7–22)
Neutrophils x 10 ⁹ /L (IQR)	2.6 (2.1,3.8)	4.2 (2.1,6.9)	4.4 (2,6.1)	10.6 (5,11.8)	2.8 (2.18,3.49)	3.32 (3,5.82)	3.2 (2.1–4.4)	4.3 (2.9,7)	3.6 (3,3.9)	4.1 (3.1,5.7)	2.7 (1.9,3.9)	4.6 (2.6,7.9)	3.06 (2.03,5.56)	1.04 (3.98,10.12)	NR	NR

*Severe defined as admitted to the intensive care unit.

†Severe defined as having acute respiratory distress syndrome.

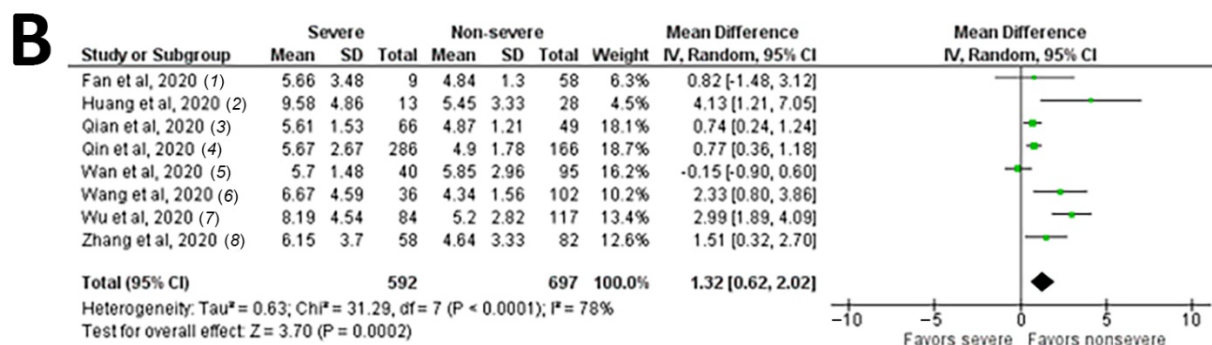
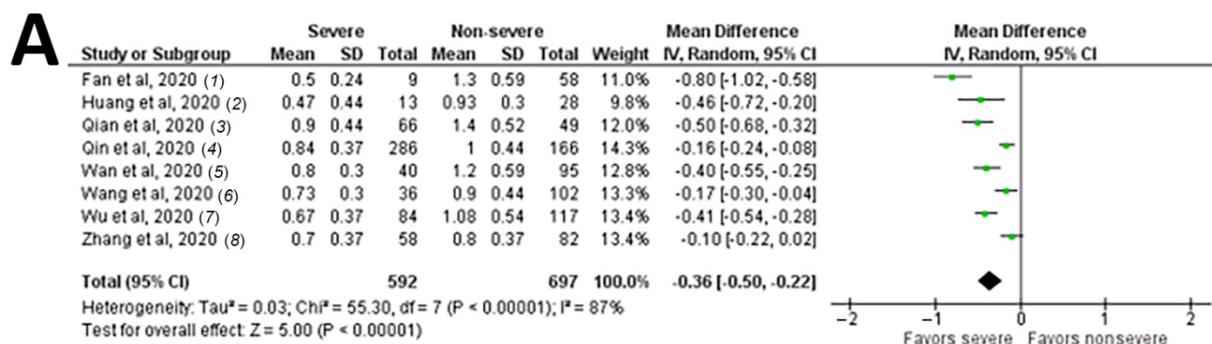


Figure. Forest plot of lymphocyte (A) and leukocyte (B) values in patients with severe and nonsevere coronavirus disease.

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