Supplementary Materials for

Oral Azvudine for hospitalized COVID-19 patients with pre-existing conditions: a retrospective cohort study

Yuming Sun[1-6#], MD; Liping Jin[1-5#], MD; Yating Dian[1-5#], MD; Minxue Shen[1-5, 7*], phD; Furong Zeng[8*], MD; Xiang Chen[1-5*], MD; Guangtong Deng[1-5*], MD
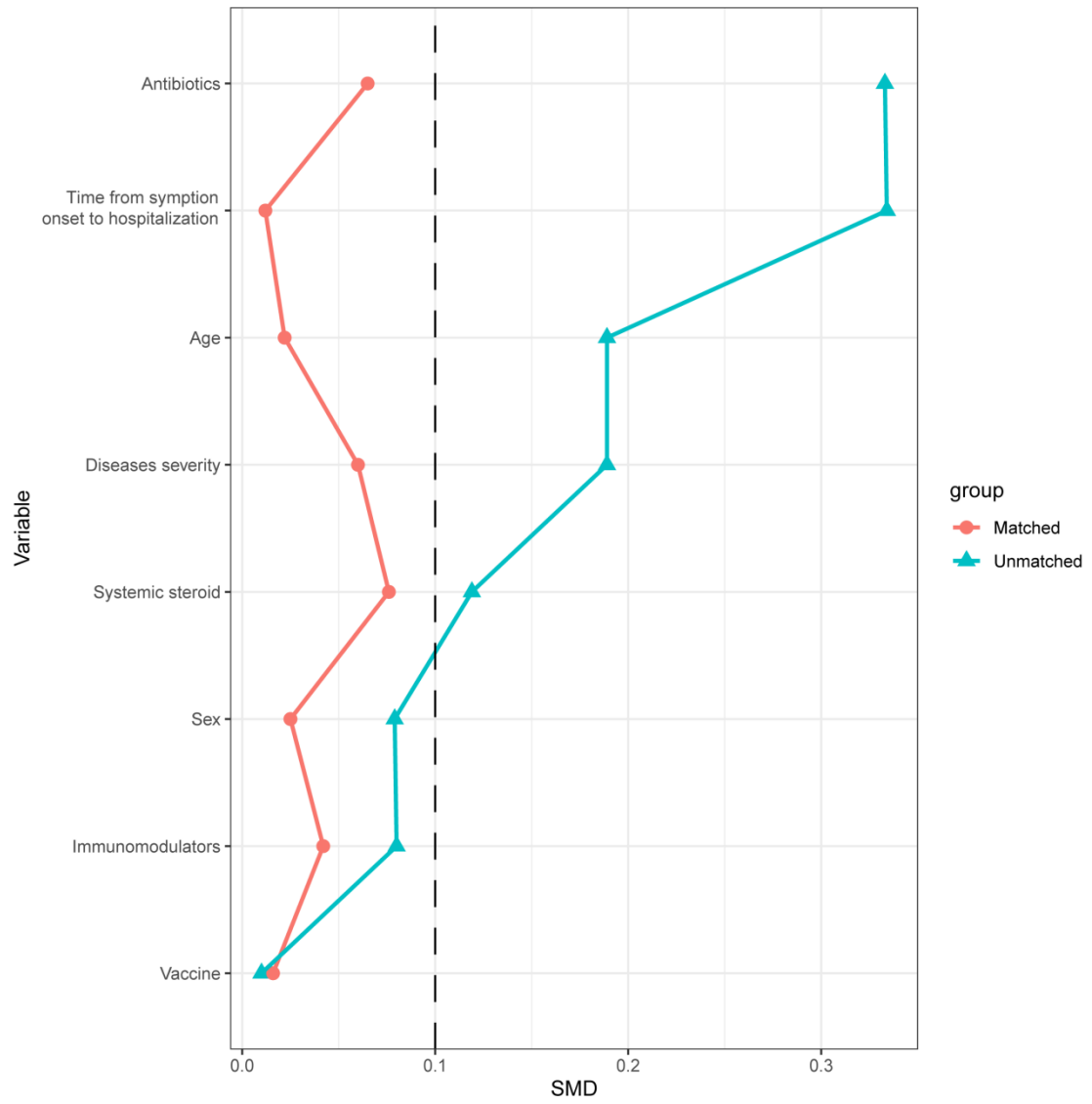
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Supplementary Fig. 1. Standard mean differences between the groups before and after 1:1 propensity score-matching.

Supplementary Table 1. Propensity-score model conditional on baseline covariates.

Supplementary Table 2. Laboratory parameters between the two groups.

Supplementary Fig. 1

Supplementary Table 1. Propensity-score model conditional on baseline covariates

Covariates	Coefficients	Standard Errors	P values
Intercept	-2.185619	0.522340	2.86e-05
Age (years)	0.004412	0.005592	0.430118
Gender (female vs. male)	-0.077771	0.157773	0.622062
Severity at admission (severe vs. non-severe)	-0.146920	0.166242	0.376818
COVID-19 vaccination status (vaccinated vs. unknown)	0.149249	0.154748	0.334811
Time from symptom onset to treatment (0–5 vs. >5 days)	0.725780	0.218937	0.000916
Systemic steroid (yes vs. no)	0.035365	0.181723	0.845697
Antibiotics (yes vs. no)	0.544309	0.155723	0.000473
Immunomodulators (yes vs. no)	0.550108	0.194569	0.004694

Supplementary Table 2. Laboratory parameters between the two groups.

Category	Indicator	Azvudine		Matched Control	
		No. patients	Mean (SD)	No. patients	Mean (SD)
Arterial blood gas analysis	PaO_2	127	106.04 (46.11)	123	101.81 (42.84)
	$PaCO_2$	127	36.09 (7.30)	123	35.67 (6.68)
	PaO_2/FiO_2	116	368.06 (172.35)	115	352.96 (154.6)
Blood cell count	Red blood cell	241	4.16 (2.12)	242	4.63 (10.72)
	Hemoglobin	241	124.83 (73.56)	242	117.86 (21.37)
	White blood cell	241	6.54 (3.33)	242	7.07 (3.33)
	Blood platelet	241	206.40 (92.23)	242	228.11 (97.45)
	Lymphocyte	241	1.07 (0.96)	242	1.17 (1.48)
	Lymphocyte (%)	240	17.72 (10.52)	242	17.53 (11.38)
	Neutrophil	240	5.11 (4.28)	242	5.86 (7.14)
	Neutrophil (%)	240	71.69 (12.83)	242	71.54 (14.29)
	Eosinophil	240	0.12 (0.40)	242	0.14 (0.35)
	Basophil	240	0.04 (0.12)	242	0.05 (0.11)
Liver, renal, and cardiac function	Total bilirubin	235	10.97 (9.93)	236	13.55 (22.81)
	Direct bilirubin	235	3.86 (1.81)	236	5.70 (14.39)
	Albumin	235	33.99 (4.23)	236	33.61 (4.68)
	Globulin	235	28.27 (4.54)	236	28.65 (5.01)
	ALT	234	31.63 (25.48)	236	34.67 (52.23)
	AST	234	32.46 (20.83)	236	35.31 (34.26)
	Blood creatinine	235	100.40 (126.85)	238	121.08 (168.3)
	BUN	235	7.55 (5.98)	238	7.86 (6.79)
	K^+	240	3.98 (0.80)	235	5.77 (28.19)
	Ca^{2+}	240	2.18 (1.18)	235	2.12 (0.15)
	Na^+	240	139.64 (3.99)	235	139.35 (4.39)
	Cl^-	240	103.47 (4.49)	235	107.06 (61.03)

	Mg^{2+}	176	1.33 (6.42)	178	0.83 (0.11)
	Lactic dehydrogenase	224	238.18 (86.57)	213	236.15 (99.75)
	Creatine kinase	224	103.38 (178.63)	213	107.04 (198.1)
	creatine kinase MB	224	12.63 (10.65)	213	11.29 (15.00)
	Myohemoglobin	224	95.16 (106.01)	213	125.57 (172.42)
	Troponin	164	2.91 (36.85)	142	0.02 (0.07)
	Brain natriuretic peptide	169	962.67 (2016.5)	157	1659.95 (5206.3)
Coagulation	D-Dimer	215	0.46 (1.34)	210	0.54 (1.53)
	PT	211	12.23 (3.30)	205	12.36 (4.16)
	INR	211	1.05 (0.32)	205	1.06 (0.41)
	Fibrinogen	210	4.49 (1.45)	205	4.49 (1.61)
	APTT	210	28.39 (4.56)	205	28.55 (5.36)
	TT	209	17.19 (6.37)	205	17.32 (8.55)
Cytokines	TNF-α	98	11.54 (15.44)	88	8.46 (6.64)
	IL-6	175	24.62 (68.69)	150	47.53 (351.60)
	IL-10	100	6.98 (9.16)	94	6.60 (15.25)
Other	Lactic acid	87	1.59 (0.69)	69	1.72 (0.83)
	Procalcitonin	187	0.28 (1.71)	186	0.95 (5.66)
	C-reactive protein	194	45.78 (50.10)	188	38.13 (45.39)
	ESR	148	56.07 (27.28)	151	60.85 (28.61)

No., number of; SD, standard deviation. BUN, Blood urea nitrogen; ESR, Erythrocyte sedimentation rate.