

Erratum to: Low dose of hydroxychloroquine reduces fatality of critically ill patients with COVID-19

Bo Yu¹, Chenze Li¹, Peng Chen¹, Ning Zhou¹, Luyun Wang¹, Jia Li², Hualiang Jiang^{2,3} & Dao-Wen Wang^{1*}

¹Division of Cardiology, Department of Internal Medicine and Hubei Key Laboratory of Genetics and Molecular Mechanisms of Cardiological Disorders, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan 430030, China;

²State Key Laboratory of Drug Research, Shanghai Institute of Materia Medica, Chinese Academy of Sciences, Shanghai 201203, China;

³Shanghai Institute for Advanced Immunochemical Studies and School of Life Science and Technology, Shanghai Tech University, Shanghai 201210, China

Received May 29, 2020; accepted June 4, 2020; published online June 18, 2020

Erratum to: Sci China Life Sci, 2020, <https://doi.org/10.1007/s11427-020-1732-2>

Citation: Yu, B., Li, C., Chen, P., Zhou, N., Wang, L., Li, J., Jiang, H., and Wang, D.W. (2020). Erratum to: Low dose of hydroxychloroquine reduces fatality of critically ill patients with COVID-19. Sci China Life Sci 63, 1617–1618. <https://doi.org/10.1007/s11427-020-1751-3>

1. In the abstract, we missed a piece of information. The correct sentence should be “In this retrospective study, we included 550 critically ill COVID-19 patients who need mechanical ventilation (**63.5%**) and oxygen therapy (**35.6%**) in Tongji Hospital, Wuhan, from February 1, 2020 to April 4, 2020.”

2. We mistakenly put an approval number from Tongji Hospital ethics committee in the paper (IRBID: TJ-C20200113). The correct number should be **TJ-IRB20200229**.

3. We mistakenly filled some data in Table 1 and the correct Table 1 (the corrected data are in boldface) should be as follows:

Table 1 Baseline characteristics of critically ill COVID-19 patients^{a)}

	All patients (n=550)	HCQ (n=48)	NHCQ (n=502)	P
Age, years	68 (59–77)	68 (60–75)	68 (59–77)	0.619
Age range, years				
<60 (%)	139 (25.3)	11 (22.9)	128 (25.5)	0.694
≥60 (%)	411 (74.7)	37 (77.1)	374 (74.5)	0.694
Gender, male (%)	344 (62.5)	32 (66.7)	312 (62.2)	0.537
Original comorbidities				
Hypertension (%)	252 (45.8)	23 (47.9)	229 (45.6)	0.760
Coronary heart disease (%)	59 (10.7)	2 (4.2)	57 (11.4)	0.147
COPD (%)	16 (2.9)	0 (0)	16 (3.2)	0.383
Diabetes (%)	94 (17.1)	12 (25.0)	82 (16.3)	0.128

(To be continued on the next page)

*Corresponding author (email: dwwang@tjh.tjmu.edu.cn)

(Continued)

	All patients (n=550)	HCQ (n=48)	NHCQ (n=502)	P
Vital signs				
Body temperature, °C	36.7 (36.3–37.3)	36.7 (36.2–37.3)	36.7 (36.3–37.3)	0.704
Pulse, beats min ⁻¹	92 (80–106)	91 (80–103)	92 (81–107)	0.594
Respiratory rate, breaths min ⁻¹	21 (20–26)	25 (20–30)	21 (20–26)	0.052
Systolic blood pressure, mmHg	133 (118–148)	131 (117–149)	133 (118–148)	0.789
Diastolic blood pressure, mmHg	80 (71–88)	79 (70–90)	80 (71–88)	0.608
SpO ₂ on admission (%)	95 (88–98)	95 (90–96)	96 (88–98)	0.216
Symptoms, number/total number (%)				
Fever	354/458 (77.3)	29/43 (67.4)	325/415 (78.3)	0.105
Cough	312/458 (68.1)	29/43 (67.4)	283/415 (68.2)	0.920
Sputum production	223/458 (48.7)	26/43 (60.5)	197/415 (47.5)	0.105
Chest tightness	65/458 (14.2)	7/43 (16.3)	58/415 (14.0)	0.680
Shortness of breath	221/458 (48.3)	30/43 (69.8)	191/415 (46.0)	0.003
Nasal congestion	4/458 (0.9)	0/43 (0)	4/415 (1.0)	1
Nausea	18/458 (3.9)	1/43 (2.3)	17/415 (4.1)	1
Diarrhea	100/458 (21.8)	9/43 (20.9)	91/415 (21.9)	0.880
Muscle aches	32/458 (7.0)	1/43 (2.3)	31/415 (7.5)	0.344
Pharynx discomfort	16/458 (3.5)	2/43 (4.7)	14/415 (3.4)	0.655
Fatigue	87/458 (19.0)	8/43 (18.6)	79/415 (19.0)	0.945
Laboratory parameters				
White-cell count, ×10 ⁹ L ⁻¹	7.7 (5.5–11.4)	7.3 (5.3–12.1)	7.7 (5.5–11.4)	0.923
Lymphocyte count, ×10 ⁹ L ⁻¹	0.7 (0.5–1.0)	0.7 (0.5–1.0)	0.7 (0.5–1.0)	0.923
Neutrophil count, ×10 ⁹ L ⁻¹	6.2 (4.2–10.1)	6.3 (4.2–9.5)	6.2 (4.2–10.2)	0.909
Platelet count, ×10 ⁹ L ⁻¹	182.0 (129.8–255.0)	189.0 (137.0–257.0)	182.0 (128.5–255.0)	0.879
Hemoglobin, g L ⁻¹	125.0 (109.0–139.0)	121.0 (107.5–134.5)	125.0 (110.0–139.0)	0.424
Alanine aminotransferase, U L ⁻¹	26.0 (16.0–41.0)	30.0 (22.0–52.0)	25.0 (16.0–40.0)	0.009
Aspartate aminotransferase, U L ⁻¹	35.0 (23.0–53.0)	42.0 (20.0–60.0)	34.0 (24.0–52.0)	0.468
Total bilirubin, μmol L ⁻¹	10.8 (7.8–15.7)	11.0 (8.2–15.5)	10.7 (7.7–15.8)	0.938
Albumin, g L ⁻¹	31.4 (28.7–34.5)	31.1 (29.6–33.6)	31.5 (28.7–34.6)	0.527
Lactate dehydrogenase, U L ⁻¹	395.5 (293.0–536.0)	401.0 (311.5–493.0)	395.0 (291.5–541.0)	0.949
Creatinine, μmol L ⁻¹	81.0 (62.0–103.0)	86.0 (63.0–110.5)	79.0 (62.0–103.0)	0.440
Blood urea nitrogen, mmol L ⁻¹	6.4 (4.4–10.4)	5.9 (4.1–9.6)	6.5 (4.5–10.7)	0.392
International normalized ratio	1.1 (1.1–1.3)	1.1 (1.1–1.2)	1.2 (1.1–1.3)	0.034
D-dimer, mg L ⁻¹	2.3 (1.1–9.6)	2.6 (1.0–10.1)	2.3 (1.1–9.7)	0.895
APTT, s	40.3 (36.6–45.4)	39.0 (36.2–50.7)	40.4 (36.6–44.9)	0.962
C-reactive protein, mg L ⁻¹	75.7 (36.3–128.9)	84.1 (27.5–117.4)	75.6 (37.1–131.5)	0.789
NT-ProBNP, pg mL ⁻¹	598.5 (223.5–1814.3)	600.5 (191.8–1926.5)	598.5 (224.5–1829.8)	0.803
cTnI, pg mL ⁻¹	15.9 (6.2–59.5)	12.1 (6.5–47.2)	16.3 (6.2–60.7)	0.582
IL-6, pg mL ⁻¹	31.4 (14.0–96.1)	25.3 (12.0–111.1)	31.6 (14.0–95.9)	0.621
IL-10, pg mL ⁻¹	6.5 (5.0–12.7)	6.8 (5.0–9.3)	6.5 (5.0–13.5)	0.706
IL-8, pg mL ⁻¹	22.4 (12.0–43.8)	23.1 (10.4–30.8)	22.2 (12.1–47.5)	0.471
TNF-α, pg mL ⁻¹	10.6 (8.2–14.6)	11.0 (9.1–13.7)	10.4 (8.2–14.8)	0.596
IL-1β, pg mL ⁻¹	5.0 (5.0–5.0)	5.0 (5.0–5.3)	5.0 (5.0–5.0)	0.524
IL-2R, U mL ⁻¹	1026.0 (679.0–1501.0)	977.5 (749.0–1544.8)	1026.0 (672.0–1490.5)	0.592
Oxygen therapy, number (%)	545 (99.1)	47 (97.9)	498 (99.2)	0.368
Mechanical ventilation, number (%)	349 (63.5)	28 (58.3)	321 (63.9)	0.441

a) Mechanical ventilation contained non-invasive ventilation and invasive ventilation. Data are presented as medians and interquartile range (Q1–Q3). HCQ, hydroxychloroquine treatment; NHCQ, non-hydroxychloroquine treatment; COPD, chronic obstructive pulmonary disease; APTT, activated partial thromboplastin time; NT-proBNP, N-terminal pro-B-type natriuretic peptide; cTnI, cardiac troponin I; IL, interleukin; TNF-α, tumor necrosis factor-α; SpO₂, percutaneous oxygen saturation.

The online version of the original article can be found at <https://doi.org/10.1007/s11427-020-1732-2>