

Table S1. Search strategy

Search Engine	Keywords	Records
PubMed	("COVID-19"[All Fields] OR "SARS-CoV-2"[All Fields] AND "Characteristics"[All Fields]) OR ("COVID-19"[All Fields] OR "SARS-CoV-2"[All Fields] AND ("Acute kidney injury"[All Fields] OR "Renal dysfunction"[All Fields])) OR ("COVID-19"[All Fields] OR "SARS-CoV-2"[All Fields] AND "liver injury"[All Fields]) OR ("COVID-19"[All Fields] OR "SARS-CoV-2"[All Fields] AND "coagulopathy"[All Fields])	345
SCOPUS	("COVID-19" OR "SARS-CoV-2" AND "Characteristics") OR ("COVID-19" OR "SARS-CoV-2" AND ("Acute kidney injury" OR "Renal dysfunction")) OR ("COVID-19" OR "SARS-CoV-2" AND "liver injury") OR ("COVID-19" OR "SARS-CoV-2" AND "coagulopathy")	123
EuropePMC	("COVID-19" OR "SARS-CoV-2" AND "Characteristics") OR ("COVID-19" OR "SARS-CoV-2" AND ("Acute kidney injury" OR "Renal dysfunction")) OR ("COVID-19" OR "SARS-CoV-2" AND "liver injury") OR ("COVID-19" OR "SARS-CoV-2" AND "coagulopathy")	633
Cochrane CENTRAL	("COVID-19" OR "SARS-CoV-2" AND "Characteristics") OR ("COVID-19" OR "SARS-CoV-2" AND ("Acute kidney injury" OR "Renal dysfunction")) OR ("COVID-19" OR "SARS-CoV-2" AND "liver injury") OR ("COVID-19" OR "SARS-CoV-2" AND "coagulopathy") (Title/Abstract/Keyword)	8

Table S2. Newcastle–Ottawa scale for assessment of quality of included cohort studies.

Study	Selection				Comparability		Outcome			Total quality score
Quality assessment criteria	Representativeness of exposed cohort	Selection of non-exposed cohort	Ascertainment of exposure	Demonstration that outcome of interest was not present at start of study	Study controls for comorbidities	Study controls for Age and Gender	Assessment of outcome	Follow-up length	Loss to follow-up rate	
Acceptable (★)	Representative of patients with exposure and confirmed COVID-19	Drawn from the same community as exposed cohort	Secure records (Medical Records)	Mortality / Severe COVID was not present at on admission	Yes (Adjusted / Propensity-matched)	Yes (Adjusted / Propensity-matched)	Record linkage	Defined period of time / during hospitalization	Follow-up completed, or small subjects lost (<20%), or lost subjects unlikely to introduce bias	
Bai T 2020	★	★	★	★	★	★	★	★	★	9
Cao J 2020	★	★	★	★	No	No	★	★	★	7

Chen M 2020	★	★	★	★	★	★	★	★	★	9
Chen T 2020	★	★	★	★	No	No	★	★	★	7
Luo XM 2020	★	★	★	★	No	No	★	★	★	7
Yang 2020	★	★	★	★	No	No	★	★	★	7
Zhou 2020	★	★	★	★	★	★	★	★	★	9
Guan 2020	★	★	★	No	No	No	★	★	★	6
Hu L 2020	★	★	★	No	★	★	★	★	★	8
Li Q 2020	★	★	★	?	No	No	★	★	★	6
Liu J 2020	★	★	★	★	★	★	★	★	★	9
Wan 2020	★	★	★	?	No	No	★	★	★	6
Zhang Guqin 2020	★	★	★	No	No	No	★	★	★	6
Huang 2020	★	★	★	★	No	No	★	★	★	7
Wang Dawei 2020	★	★	★	★	No	No	★	★	★	7

? = not defined