

## Supplementary Material:

The following databases were searched (09-02-2022):

- Pubmed
- Embase, including meeting abstract references
- Web of Science
- Cochrane Library
- Emcare
- WHO COVID-19 Database, including meeting abstract references
- COVID-19 Evidence
- Google Scholar

Search string:

### PubMed

<http://www.ncbi.nlm.nih.gov/pubmed?otool=leiden>

```
((("diagnostic algorithm"[tw] OR "diagnostic algorithms"[tw] OR "diagnostic algorithm*"[tw] OR  
"diagnosis algorithm"[tw] OR "diagnosis algorithms"[tw] OR "diagnosis algorithm*"[tw] OR  
(("Algorithms"[mesh] OR "algorithm"[tw] OR "algorithms"[tw] OR "algorithm*"[tw]) AND  
("Diagnosis"[mesh] OR "diagnosis"[subheading] OR "diagnosis"[tw] OR "diagnostic"[tw] OR  
"diagnos*"[tw])) OR "diagnostic strategy"[tw] OR "diagnostic strategies"[tw] OR "rule out"[tw] OR  
"ruling out"[tw] OR "ruled out"[tw]) AND ("Pulmonary Embolism"[Mesh] OR "pulmonary  
embolism"[tw] OR "pulmonary embol*"[tw] OR "pulmonary thromboembolism"[tw] OR "pulmonary  
thromboembol*"[tw] OR "pulmonary thrombo embolism"[tw] OR "pulmonary thrombo embol*"[tw]  
OR "lung embolism"[tw] OR "lung embol*"[tw] OR "lung thromboembolism"[tw] OR "lung  
thromboembol*"[tw] OR "Venous Thromboembolism"[Mesh] OR "Venous Thromboembolism"[tw]  
OR "Thrombosis"[mesh] OR "thrombosis"[tw]) AND ("SARS-CoV-2"[Mesh] OR "COVID-19"[Mesh] OR  
"COVID-19"[mesh] OR "2019 nCoV Disease"[all fields] OR "2019 nCoV Diseases"[all fields] OR "2019
```

nCoV Infection"[all fields] OR "2019 nCoV Infections"[all fields] OR "2019 ncov"[all fields] OR "2019 Novel Coronavirus Disease"[all fields] OR "2019 Novel Coronavirus Diseases"[all fields] OR "2019 Novel Coronavirus Infection"[all fields] OR "2019 Novel Coronavirus Infections"[all fields] OR "2019 Novel Coronavirus"[all fields] OR "2019 Novel Coronaviruses"[all fields] OR "2019-nCoV Disease"[all fields] OR "2019-nCoV Diseases"[all fields] OR "2019-nCoV Infection"[all fields] OR "2019-nCoV Infections"[all fields] OR "2019ncov"[all fields] OR "2019-nCoV"[all fields] OR "Coronavirus Disease 19"[all fields] OR "Coronavirus Disease 2019 Virus"[all fields] OR "Coronavirus Disease 2019"[all fields] OR "Coronavirus Disease 2019"[all fields] OR "Coronavirus Disease-19"[all fields] OR "COVID 19 Pandemic"[all fields] OR "COVID 19 Virus Disease"[all fields] OR "COVID 19 Virus Diseases"[all fields] OR "COVID 19 Virus Infection"[all fields] OR "COVID 19 Virus Infections"[all fields] OR "COVID 19 Virus"[all fields] OR "COVID 19 Viruses"[all fields] OR "COVID 19"[all fields] OR "COVID 2019"[all fields] OR "COVID 2019"[all fields] OR "COVID-19 Pandemic"[all fields] OR "COVID-19 Pandemics"[all fields] OR "COVID-19 Virus Disease"[all fields] OR "COVID-19 Virus Diseases"[all fields] OR "COVID-19 Virus Infection"[all fields] OR "COVID-19 Virus Infections"[all fields] OR "COVID-19 Virus"[all fields] OR "COVID-19 Viruses"[all fields] OR "COVID19"[all fields] OR "COVID-19"[all fields] OR "COVID2019"[all fields] OR "ncov 2019"[all fields] OR "ncov2019"[all fields] OR "SARS 2"[all fields] OR "SARS corona virus 2"[all fields] OR "SARS Coronavirus 2 Infection"[all fields] OR "SARS Coronavirus 2 Infections"[all fields] OR "SARS Coronavirus 2"[all fields] OR "SARS CoV 2 Infection"[all fields] OR "SARS CoV 2 Infections"[all fields] OR "SARS CoV 2 Virus"[all fields] OR "SARS CoV 2 Viruses"[all fields] OR "SARS cov 2"[all fields] OR "SARS cov2"[all fields] OR "SARS2"[all fields] OR "SARSCOV 2"[all fields] OR "SARS-COV 2"[all fields] OR "SARS-CoV-2 Infection"[all fields] OR "SARS-CoV-2 Infections"[all fields] OR "SARS-CoV-2 Virus"[all fields] OR "SARS-CoV-2 Viruses"[all fields] OR "SARSCOV2"[all fields] OR "SARS-COV2"[all fields] OR "Severe Acute Respiratory Syndrome Coronavirus 2"[all fields] OR "severe acute respiratory syndrome cov 2"[all fields] OR "severe acute respiratory syndrome cov2"[all fields] OR "Wuhan Coronavirus"[all fields] OR "Wuhan Seafood Market Pneumonia Virus"[all fields] OR ("novel coronavirus\*" [all fields] OR "novel corona virus\*" [all

fields] OR "new coronavirus\*" [all fields] OR "new corona virus\*" [all fields] OR (("coronavirus\*" [all fields] OR "corona virus\*" [all fields] OR "pneumonia virus\*" [all fields] OR "cov" [all fields] OR "ncov" [all fields]) AND ("outbreak" [all fields] OR "wuhan" [all fields] OR "new" [all fields] OR "novel" [all fields] OR "2019" [tw])) AND ("2019/01/01" [PDAT] : "3000/12/31" [PDAT])) OR "COVID-19 Serological Testing" [Mesh] OR "3C-like proteinase, SARS-CoV-2" [Supplementary Concept] OR "COVID-19 Vaccines" [Mesh] OR "nucleocapsid phosphoprotein, SARS-CoV-2" [Supplementary Concept] OR "spike protein, SARS-CoV-2" [Supplementary Concept] OR "COVID-19 Testing" [Mesh] OR "SARS-Cov-2 variant VUI-202012-01" [Supplementary Concept] OR "papain-like protease, SARS-CoV-2" [Supplementary Concept] OR "COVID-19 serotherapy" [Supplementary Concept] OR "nidoviral uridylylate-specific endoribonuclease" [Supplementary Concept] OR "NSP12 protein, SARS-CoV-2" [Supplementary Concept] OR "PittCoVacc" [Supplementary Concept] OR "NSP16 protein, SARS-CoV-2" [Supplementary Concept] OR "NS8 protein, SARS-CoV-2" [Supplementary Concept] OR "Ns7b protein, SARS-CoV-2" [Supplementary Concept] OR "NSP1 protein, SARS-CoV-2" [Supplementary Concept] OR "pediatric multisystem inflammatory disease, COVID-19 related" [Supplementary Concept] OR "ORF1ab polyprotein, SARS-CoV-2" [Supplementary Concept]) NOT (("Case Reports" [ptyp] OR "case report" [ti]) NOT ("Review" [ptyp] OR "review" [ti])))

AND ("xxxx/01/01" [PDAT] : "3000/12/31" [PDAT])

- **MEDLINE via OVID**

<http://gateway.ovid.com/ovidweb.cgi?T=JS&MODE=ovid&NEWS=n&PAGE=main&D=medall>

- **MEDLINE via Ebsco**

<https://search.ebscohost.com/login.aspx?authtype=ip,cookie,url,uid&groupid=main&profile=ehost&defaultdb=mdc>

- **MEDLINE via Web of Science**

[http://apps.webofknowledge.com/MEDLINE\\_GeneralSearch\\_input.do?product=MEDLINE&SID=D2KPIOAVTVCTJ1ZPOSQ&search\\_mode=GeneralSearch](http://apps.webofknowledge.com/MEDLINE_GeneralSearch_input.do?product=MEDLINE&SID=D2KPIOAVTVCTJ1ZPOSQ&search_mode=GeneralSearch)

**Chrome** <https://sr-accelerator.com/#/polyglot>

## Embase

<http://ovidsp.ovid.com/ovidweb.cgi?T=JS&PAGE=main&MODE=ovid&D=oemezd>

```
((("diagnostic algorithm".mp OR "diagnostic algorithms".mp OR "diagnostic algorithm*".mp OR
"diagnosis algorithm".mp OR "diagnosis algorithms".mp OR "diagnosis algorithm*".mp OR ((exp
*"Algorithm"/ OR "algorithm".ti,ab OR "algorithms".ti,ab OR "algorithm*".ti,ab) AND (exp
*"Diagnosis"/ OR "diagnosis".fs OR "diagnosis".ti,ab OR "diagnostic".ti,ab OR "diagnos*".ti,ab)) OR
"diagnostic strategy".ti,ab OR "diagnostic strategies".ti,ab OR "rule out".ti,ab OR "ruling out".ti,ab
OR "ruled out".ti,ab) AND (exp *"Lung Embolism"/ OR "pulmonary embolism".ti,ab OR "pulmonary
embol*".ti,ab OR "pulmonary thromboembolism".ti,ab OR "pulmonary thromboembol*".ti,ab OR
"pulmonary thrombo embolism".ti,ab OR "pulmonary thrombo embol*".ti,ab OR "lung
embolism".ti,ab OR "lung embol*".ti,ab OR "lung thromboembolism".ti,ab OR "lung
thromboembol*".ti,ab OR exp *"Venous Thromboembolism"/ OR "Venous Thromboembolism".ti,ab
OR exp *"Thrombosis"/ OR "thrombosis".ti,ab) AND (SARS coronavirus/ OR ("COVID-19" OR "severe
acute respiratory syndrome coronavirus 2" OR 2019ncov OR "2019 ncov" OR novel coronavirus* OR
novel corona virus* OR ((coronavirus* OR corona virus* OR pneumonia virus* OR cov OR ncov) AND
(outbreak OR wuhan OR "new"))) OR covid19 OR "covid 19" OR ((coronavirus* OR corona virus*) AND
2019) OR "sars cov 2" OR sars2 OR new coronavirus* OR new corona virus* OR "ncov 2019" OR "sars
coronavirus 2" OR "sars corona virus 2" OR "severe acute respiratory syndrome cov 2" OR "severe
acute respiratory syndrome cov2" OR "COVID-19" OR "COVID19" OR "COVID2019" OR "COVID 2019"
OR "severe acute respiratory syndrome coronavirus 2" OR SARS-COV* OR SARSCOV*).af) AND
2019:3000.(sa_year) NOT (("Case Report"/ OR "case report".ti) NOT (exp "Review"/ OR "review".ti)))
```

- o NOT conference review.pt
- o NOT (conference review or conference abstract).pt

o AND (conference abstract).pt

AND xxxx:2023.(sa\_year)

## Web of Science

<http://isiknowledge.com/wos>

((TS=("diagnostic algorithm" OR "diagnostic algorithms" OR "diagnostic algorithm\*" OR "diagnosis algorithm" OR "diagnosis algorithms" OR "diagnosis algorithm\*") OR TI=(("Algorithm" OR "algorithm" OR "algorithms" OR "algorithm\*") AND ("diagnosis" OR "diagnostic" OR "diagnos\*")) OR AK=(("Algorithm" OR "algorithm" OR "algorithms" OR "algorithm\*") AND ("diagnosis" OR "diagnostic" OR "diagnos\*")) OR AB=(("Algorithm" OR "algorithm" OR "algorithms" OR "algorithm\*") AND ("diagnosis" OR "diagnostic" OR "diagnos\*")) OR TS=("diagnostic strategy" OR "diagnostic strategies" OR "rule out" OR "ruling out" OR "ruled out")) AND TS=("Lung Embolism" OR "pulmonary embolism" OR "pulmonary embol\*" OR "pulmonary thromboembolism" OR "pulmonary thromboembol\*" OR "pulmonary thrombo embolism" OR "pulmonary thrombo embol\*" OR "lung embolism" OR "lung embol\*" OR "lung thromboembolism" OR "lung thromboembol\*" OR "Venous Thromboembolism" OR "Venous Thromboembolism" OR "Thrombosis" OR "thrombosis") AND TS=("COVID-19" OR "severe acute respiratory syndrome coronavirus 2" OR 2019ncov OR "2019 ncov" OR novel coronavirus\* OR novel corona virus\* OR ((coronavirus\* OR corona virus\* OR pneumonia virus\* OR cov OR ncov) AND (outbreak OR wuhan OR "new"))) OR covid19 OR "covid 19" OR ((coronavirus\* OR corona virus\*) AND 2019) OR "sars cov 2" OR sars2 OR new coronavirus\* OR new corona virus\* OR "ncov 2019" OR "sars coronavirus 2" OR "sars corona virus 2" OR "severe acute respiratory syndrome cov 2" OR "severe acute respiratory syndrome cov2" OR "COVID-19" OR "COVID19" OR "COVID2019" OR "COVID 2019" OR "severe acute respiratory syndrome coronavirus 2" OR SARS-COV\* OR SARSCOV\*) AND py=(2019 OR 2020 OR 2021 OR 2022 OR 2023) NOT TI=(("Case Report" OR "case") NOT ("review"))))

## Cochrane

<https://www.cochranelibrary.com/advanced-search/search-manager>

((("diagnostic algorithm" OR "diagnostic algorithms" OR "diagnostic algorithm\*" OR "diagnosis algorithm" OR "diagnosis algorithms" OR "diagnosis algorithm\*"):ti,ab,kw OR ("Algorithm" OR "algorithm" OR "algorithms" OR "algorithm\*") AND ("diagnosis" OR "diagnostic" OR "diagnos\*")):ti,ab,kw OR ("diagnostic strategy" OR "diagnostic strategies" OR "rule out" OR "ruling out" OR "ruled out"):ti,ab,kw) AND ("Lung Embolism" OR "pulmonary embolism" OR "pulmonary embol\*" OR "pulmonary thromboembolism" OR "pulmonary thromboembol\*" OR "pulmonary thrombo embolism" OR "pulmonary thrombo embol\*" OR "lung embolism" OR "lung embol\*" OR "lung thromboembolism" OR "lung thromboembol\*" OR "Venous Thromboembolism" OR "Venous Thromboembolism" OR "Thrombosis" OR "thrombosis"):ti,ab,kw AND ("COVID 19" OR "severe acute respiratory syndrome coronavirus 2" OR 2019ncov OR "2019 ncov" OR novel coronavirus\* OR novel corona virus\* OR ((coronavirus\* OR corona virus\* OR pneumonia virus\* OR cov OR ncov) AND (outbreak OR wuhan OR "new")) OR covid19 OR "covid 19" OR ((coronavirus\* OR corona virus\*) AND 2019) OR "sars cov 2" OR sars2 OR new coronavirus\* OR new corona virus\* OR "ncov 2019" OR "sars coronavirus 2" OR "sars corona virus 2" OR "severe acute respiratory syndrome cov 2" OR "severe acute respiratory syndrome cov2" OR "COVID 19" OR "COVID19" OR "COVID2019" OR "COVID 2019" OR "severe acute respiratory syndrome coronavirus 2" OR SARS COV\* OR SARSCOV\*):ti,ab,kw)

## Emcare

<http://ovidsp.ovid.com/ovidweb.cgi?T=JS&NEWS=n&CSC=Y&PAGE=main&D=emcr>

((("diagnostic algorithm".mp OR "diagnostic algorithms".mp OR "diagnostic algorithm\*".mp OR "diagnosis algorithm".mp OR "diagnosis algorithms".mp OR "diagnosis algorithm\*".mp OR ((exp \*Algorithm"/ OR "algorithm".ti,ab OR "algorithms".ti,ab OR "algorithm\*".ti,ab) AND (exp \*Diagnosis"/ OR "diagnosis".ti,ab OR "diagnostic".ti,ab OR "diagnos\*".ti,ab)) OR "diagnostic strategy".ti,ab OR "diagnostic strategies".ti,ab OR "rule out".ti,ab OR "ruling out".ti,ab OR "ruled

out".ti,ab) AND (exp \*"Lung Embolism"/ OR "pulmonary embolism".ti,ab OR "pulmonary embol\* ".ti,ab OR "pulmonary thromboembolism".ti,ab OR "pulmonary thromboembol\* ".ti,ab OR "pulmonary thrombo embolism".ti,ab OR "pulmonary thrombo embol\* ".ti,ab OR "lung embolism".ti,ab OR "lung embol\* ".ti,ab OR "lung thromboembolism".ti,ab OR "lung thromboembol\* ".ti,ab OR exp \*"Venous Thromboembolism"/ OR "Venous Thromboembolism".ti,ab OR exp \*"Thrombosis"/ OR "thrombosis".ti,ab) AND (SARS coronavirus/ OR ("COVID-19" OR "severe acute respiratory syndrome coronavirus 2" OR 2019ncov OR "2019 ncov" OR novel coronavirus\* OR novel corona virus\* OR ((coronavirus\* OR corona virus\* OR pneumonia virus\* OR cov OR ncov) AND (outbreak OR wuhan OR "new"))) OR covid19 OR "covid 19" OR ((coronavirus\* OR corona virus\*) AND 2019) OR "sars cov 2" OR sars2 OR new coronavirus\* OR new corona virus\* OR "ncov 2019" OR "sars coronavirus 2" OR "sars corona virus 2" OR "severe acute respiratory syndrome cov 2" OR "severe acute respiratory syndrome cov2" OR "COVID-19" OR "COVID19" OR "COVID2019" OR "COVID 2019" OR "severe acute respiratory syndrome coronavirus 2" OR SARS-COV\* OR SARSCOV\*).af) AND 2019:3000.(sa\_year) NOT (("Case Report"/ OR "case report".ti) NOT (exp "Review"/ OR "review".ti)))

### **WHO Covid-19 database**

<https://search.bvsalud.org/global-literature-on-novel-coronavirus-2019-ncov/>

((("diagnostic algorithm" OR "diagnostic algorithms" OR "diagnosis algorithm" OR "diagnosis algorithms" OR (("algorithm" OR "algorithms") AND ("diagnosis" OR "diagnostic"))) OR "diagnostic strategy" OR "diagnostic strategies" OR "rule out" OR "ruling out" OR "ruled out") AND ("Lung Embolism" OR "pulmonary embolism" OR "pulmonary thromboembolism" OR "pulmonary thrombo embolism" OR "lung embolism" OR "lung thromboembolism" OR "Venous Thromboembolism" OR "thrombosis"))

### **COVID-19 Evidence**

<https://app.iloveevidence.com/loves/5e6fdb9669c00e4ac072701d?utm=aile>

("diagnostic algorithm" OR "diagnostic algorithms" OR "diagnosis algorithm" OR "diagnosis algorithms" OR ("algorithm" OR "algorithms") AND ("diagnosis" OR "diagnostic")) OR "diagnostic strategy" OR "diagnostic strategies" OR "rule out" OR "ruling out" OR "ruled out") AND ("Lung Embolism" OR "pulmonary embolism" OR "pulmonary thromboembolism" OR "pulmonary thromboembolism" OR "lung embolism" OR "lung thromboembolism" OR "Venous Thromboembolism" OR "thrombosis"))

### **Google Scholar**

<https://scholar.google.com>