



Bilaga 1 Sökdokumentation/Appendix 1 Search strategies

If all or a substantive part of the search strategies below are reused in another publication, please cite this report!

Database: APA PsycInfo

Interface: EBSCO

Date of search: 21 January 2026

Search terms	Items found
Population: Post COVID-19 conditions	
1. TI ((covid* OR coronavirus* OR "corona virus*" OR "sars cov 2" OR "2019 ncov") N3 ("after care" OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR "non specific" OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*)) OR SU ((covid* OR coronavirus* OR "sars cov 2" OR "2019 ncov") N3 ("after care" OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR "non specific" OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*))	2,340
2. DE "Post-COVID-19 Conditions"	618
3. TX postcovid*	17
4. 1 OR 2 OR 3	2,444
5. DE "COVID-19"	52,976
6. TI (covid* OR coronavirus* OR "corona virus*" OR "sars cov 2" OR "2019 ncov") OR AB (covid* OR coronavirus* OR "sars cov 2" OR "2019 ncov")	65,672
7. 5 OR 6	66,957
8. TI (persist* N5 symptom*) OR AB (persist* N5 symptom*)	6,367
9. TI ("long haul*" OR "post acute" OR "post viral" OR "post virus" OR sequela* OR sequelae*) OR AB ("long haul*" OR "post acute" OR "post viral" OR "post virus" OR sequela* OR sequelae*)	13,664
10. 8 OR 9	19,811
11. S7 AND S10	874
12. AB "long covid*" OR "post covid*"	1,586
13. 4 OR 11 OR 12	3,485
Study types: randomised controlled trials¹	
14. TX((randomi?ed) N3 (study OR trial OR design OR method* OR test* OR assessment)) OR TX((random*) N3 (assign* or alloca*)) OR TX((singl* OR doubl* OR tripl* OR trebl*) N3 (blind* OR dumm* OR mask*)) OR TX(clinical W2 trial*) OR TX((singl* OR doubl* OR treb* OR tripl*) W2 (blind* OR mask*)) OR TX(placebo*) OR TX(randomly allocated) OR TX(allocated N2 random*) OR AB(randomi?ed N6 n=) OR TI(controlled W3 trial*) OR AB(controlled W3 trial*)	244,511
Combined sets:	
15. 13 AND 14	171
Final result	
16. 15 AND Publication Date 01/01/2022 - 01/21/2026	154

The final search result, usually found at the end of the documentation, forms the list of abstracts.

¹ The Cochrane CINAHL Plus filter: Glanville J, Dooley G, Wisniewski S, Foxlee R, Noel-Storr A. Development of a search filter to identify reports of controlled clinical trials within CINAHL Plus. Health Info Libr J. 2019;36(1):73-90. Available from: <https://doi.org/10.1111/hir.12251>

AB = Abstract; **DE** = Term from the thesaurus; **SU** = Searches for a part of or an entire subject heading; **TI** = Title; **TX** = All Text. Performs a keyword search of all the database's searchable fields; ***** = Truncation; **" "** = Quotation marks; searches for an exact phrase; **?** = replaces one letter; **N** = Near Operator (N) finds the words if they are a maximum of x words apart from one another, regardless of the order in which they appear; **W** = Within operator (W) finds the words if they are within x words of one another, in the order in which entered

Database: CINAHL

Interface: EBSCO

Date of search: 21 January 2026

Note: limit to RCT studies

Search terms	Items found
Population: Post COVID-19 conditions	
1. (MH "COVID-19/RH")	518
2. TI (covid* OR coronavirus* OR "corona virus*" OR "sars cov 2" OR "2019 ncov") N3 ("after care" OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR "non specific" OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*)	7,147
3. AB (covid* OR coronavirus* OR "corona virus*" OR "sars cov 2" OR "2019 ncov") N5 ("after care" OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR longterm* OR "non specific" OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*) N5 (anxiet* OR arrhythmia* OR arrythmia* OR asthma* OR brain OR breath* OR cardiac* OR cognit* OR depress* OR dizz* OR dyspnea* OR dysrhythmia* OR fatigue OR fever* OR gustat* OR heart* OR insomnia OR kidney* OR lung* OR nausea OR neuro* OR olfact* OR pain OR palpitation* OR "postural orthostatic tachycardia syndrome" OR pots OR pneumoni* OR pulmonary OR respirat* OR sleep* OR smell* OR spinning OR symptom* OR tast* OR vertigo*)	2,174
4. (MH "Post-Acute COVID-19 Syndrome")	2,303
5. TX postcovid*	45
6. 1 OR 2 OR 3 OR 4 OR 5	9,529
7. (MH "COVID-19")	53,977
8. (MH "Coronavirus Infections")	2,391
9. TI (covid* OR coronavirus* OR "corona virus*" OR "sars cov 2" OR "2019 ncov") OR AB (covid* OR coronavirus* OR "sars cov 2" OR "2019 ncov")	154,540
10. 7 OR 8 OR 9	164,420
11. TI (persist* N5 symptom*) OR AB (persist* N5 symptom*)	7,489
12. TI ("long haul*" OR "post acute" OR "post viral" OR "post virus" OR sequela* OR sequelae*) OR AB ("long haul*" OR "post acute" OR "post viral" OR "post virus" OR sequela* OR sequelae*)	22,642
13. 11 OR 12	29,861
14. 10 AND 13	2,132
15. AB "long covid*" OR "post covid*"	2,774
16. 6 OR 14 OR 15	10,853
Study types: randomised controlled trials²	
17. MH "Randomized Controlled Trials+" OR MH "Double-Blind Studies" OR MH "Single-Blind Studies" OR MH "Random Assignment" OR MH "Pretest-Posttest Design+" OR MH "Cluster Sample" OR MH "Sample Size" OR MH "Crossover Design" OR MH "Comparative Studies" OR MH "Placebos" OR PT (Randomized Controlled Trial) OR TI (randomised OR randomized) OR AB (random*) OR TI (trial) OR AB (assigned OR allocated OR control) OR AB (control W5 group) OR AB (cluster W3 rct)	1,463,675
Combined sets:	
18. S16 AND S17	1,705
Final result	
19. 18 AND Publication Date 01/01/2022 - 01/21/2026	1,323

² The Cochrane CINAHL Plus filter: Glanville J, Dooley G, Wisniewski S, Foxlee R, Noel-Storr A. Development of a search filter to identify reports of controlled clinical trials within CINAHL Plus. Health Info Libr J. 2019;36(1):73-90. Available from: <https://doi.org/10.1111/hir.12251>

The final search result, usually found at the end of the documentation, forms the list of abstracts.

AB = Abstract; **MH** = Exact Subject Heading from CINAHL Subject Headings; **TI** = Title; * = Truncation; " " = Quotation marks; searches for an exact phrase; ? = replaces one letter; **N** = Near Operator (N) finds the words if they are a maximum of x words apart from one another, regardless of the order in which they appear; **W** = Within operator (W) finds the words if they are within x words of one another, in the order in which entered

Database: Cochrane Library

Interface: Wiley

Date of search: 21 January 2026

Note: limit to RCT studies

Search terms	Items found
Population: Post COVID-19 conditions	
1. ((covid* OR coronavirus* OR (corona NEXT/1 virus*) OR "sars cov 2" OR "2019 ncov") NEAR/3 ("after care" OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR "non specific" OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*)):ti,kw	1,946
2. ((covid* OR coronavirus* OR (corona NEXT/1 virus*) OR "sars cov 2" OR "2019 ncov") NEAR/5 ("after care" OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR longterm* OR "non specific" OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*) NEAR/5 (anxi* OR arrhythmia* OR arrythmia* OR asthma* OR brain OR breath* OR cardiac* OR cognit* OR depress* OR dizz* OR dyspnea* OR dysrhythmia* OR fatigue OR fever* OR gustat* OR heart* OR insomnia OR kidney* OR lung* OR nausea OR neuro* OR olfact* OR pain OR palpitation* OR "postural orthostatic tachycardia syndrome" OR pots OR pneumoni* OR pulmonary OR respirat* OR sleep* OR smell* OR spinning OR symptom* OR tast* OR vertigo*)):ab	1,248
3. postcovid*:ti,ab,kw	912
4. 1 OR 2 OR 3	2,489
5. (covid* OR coronavirus* OR (corona NEXT/1 virus*) OR "sars cov 2" OR "2019 ncov"):ti,ab,kw	25,730
6. (persist* NEAR/5 symptom*):ti,ab,kw	4,404
7. ((long NEXT/1 haul*) OR "post acute" OR "post viral" OR "post virus" OR sequela* OR sequelae*):ti,ab,kw	7,337
8. 6 OR 7	11,580
9. 5 AND 8	1,099
10. ((long NEXT/1 covid*) OR (post NEXT/1 covid*)):ab	1,441
11. 4 OR 9 OR 10	2,833
Final result	
12. 11 AND Publication Year from 2022 to 2026, in Trials	2,122

The final search result, usually found at the end of the documentation, forms the list of abstracts.

:ti = Title; **:ab** = Abstract; **:kw** = Keyword; ***** = Truncation; **" "** = Quotation marks; searches for an exact phrase; **NEAR/n** = Retrieves terms that are within 'n' words of each other in either direction; **NEXT/n** = Requests terms that are within "n" words of each other in the order specified

Database: Embase

Interface: embase.com

Date of search: 21 January 2026

Note: limit to RCT studies

Search terms	Items found
Population: Post COVID-19 conditions	
1. 'coronavirus disease 2019'/exp/dm_rh	573
2. 'coronavirus infection'/dm_rh	59
3. ((covid* OR coronavirus* OR 'corona virus*' OR 'sars cov 2' OR '2019 ncov') NEAR/3 ('after care' OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR 'non specific' OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*)):ti,kw	28,351
4. ((covid* OR coronavirus* OR 'corona virus*' OR 'sars cov 2' OR '2019 ncov') NEAR/5 ('after care' OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR longterm* OR 'non specific' OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*) NEAR/5 (anxi* OR arrhythmia* OR arrhythmia* OR asthma* OR brain OR breath* OR cardiac* OR cognit* OR depress* OR dizz* OR dyspnea* OR dysrhythmia* OR fatigue OR fever* OR gustat* OR heart* OR insomnia OR kidney* OR lung* OR nausea OR neuro* OR olfact* OR pain OR palpitation* OR 'postural orthostatic tachycardia syndrome' OR pots OR pneumoni* OR pulmonary OR respirat* OR sleep* OR smell* OR spinning OR symptom* OR tast* OR vertigo*)):ab	16,614
5. 'long covid'/de	12,794
6. postcovid*:ti,ab,kw	17,671
7. 1 OR 2 OR 3 OR 4 OR 5 OR 6	43,732
8. 'coronavirus disease 2019'/exp	502,086
9. 'coronavirus infection'/de	13,459
10. covid*:ti,ab,kw OR coronavirus*:ti,ab,kw OR 'corona virus*':ti,ab,kw OR 'sars cov 2':ti,ab,kw OR '2019 ncov':ti,ab,kw	598,792
11. 8 OR 9 OR 10	645,300
12. (persist* NEAR/5 symptom*):ti,ab,kw	47,377
13. 'long haul*':ti,ab,kw OR 'post acute':ti,ab,kw OR 'post viral':ti,ab,kw OR 'post virus':ti,ab,kw OR sequela*:ti,ab,kw OR sequelae*:ti,ab,kw	144,815
14. 12 OR 13	189,598
15. 11 AND 14	15,661
16. 'long covid*':ab OR 'post covid*':ab	22,755
17. 7 OR 15 OR 16	50,509
Study types: randomised controlled trials³	
18. ('randomized controlled trial'/exp OR 'controlled clinical trial'/de OR random*:ti,ab,tt OR 'randomization'/de OR 'intermethod comparison'/de OR placebo:ti,ab,tt OR compare:ti,tt OR compared:ti,tt OR comparison:ti,tt OR ((evaluated:ab OR evaluate:ab OR evaluating:ab OR assessed:ab OR assess:ab) AND (compare:ab OR compared:ab OR comparing:ab OR comparison:ab)) OR ((open NEXT/1 label):ti,ab,tt) OR (((double OR single OR doubly OR singly) NEXT/1 (blind OR blinded OR blindly)):ti,ab,tt) OR 'double blind procedure'/de OR ((parallel NEXT/1 group*):ti,ab,tt) OR crossover:ti,ab,tt OR 'cross over':ti,ab,tt OR (((assign* OR match OR matched OR allocation) NEAR/6 (alternate OR group OR groups OR intervention OR interventions OR patient OR patients OR subject OR subjects OR participant OR participants)):ti,ab,tt) OR assigned:ti,ab,tt OR allocated:ti,ab,tt OR ((controlled NEAR/8 (study OR design OR trial)):ti,ab,tt) OR volunteer:ti,ab,tt OR volunteers:ti,ab,tt OR 'human experiment'/de OR trial:ti,tt) NOT (((random* NEXT/1 sampl* NEAR/8 ('cross section*' OR	6,872,591

³ Glanville J, Foxlee R, Wisniewski S, Noel-Storr A, Edwards M, Dooley G. Translating the Cochrane EMBASE RCT filter from the Ovid interface to Embase.com: a case study. Health Info Libr J. 2019 Sep;36(3):264-277. doi: 10.1111/hir.12269. Epub 2019 Jul 22. Erratum in: Health Info Libr J. 2020 Dec;37(4):351.

questionnaire* OR survey OR surveys OR database OR databases)):ti,ab,tt) NOT ('comparative study'/de OR 'controlled study'/de OR 'randomised controlled':ti,ab,tt OR 'randomized controlled':ti,ab,tt OR 'randomly assigned':ti,ab,tt) OR ('cross-sectional study' NOT ('randomized controlled trial'/exp OR 'controlled clinical trial'/de OR 'controlled study'/de OR 'randomised controlled':ti,ab,tt OR 'randomized controlled':ti,ab,tt OR 'control group':ti,ab,tt OR 'control groups':ti,ab,tt)) OR ('case control*':ti,ab,tt AND random*':ti,ab,tt NOT ('randomised controlled':ti,ab,tt OR 'randomized controlled':ti,ab,tt)) OR ('systematic review':ti,tt NOT (trial:ti,tt OR study:ti,tt)) OR (nonrandom*':ti,ab,tt NOT random*':ti,ab,tt) OR 'random field*':ti,ab,tt OR (('random cluster' NEAR/4 sampl*):ti,ab,tt) OR (review:ab AND review:it NOT trial:ti,tt) OR ('we searched':ab AND (review:ti,tt OR review:it)) OR 'update review':ab OR ((databases NEAR/5 searched):ab OR ((rat:ti,tt OR rats:ti,tt OR mouse:ti,tt OR mice:ti,tt OR swine:ti,tt OR porcine:ti,tt OR murine:ti,tt OR sheep:ti,tt OR lambs:ti,tt OR pigs:ti,tt OR piglets:ti,tt OR rabbit:ti,tt OR rabbits:ti,tt OR cat:ti,tt OR cats:ti,tt OR dog:ti,tt OR dogs:ti,tt OR cattle:ti,tt OR bovine:ti,tt OR monkey:ti,tt OR monkeys:ti,tt OR trout:ti,tt OR marmoset*':ti,tt) AND 'animal experiment'/de) OR ('animal experiment'/de NOT ('human experiment'/de OR 'human'/de)))

Combined sets		
19.	17 AND 18	10,287
20.	19 AND [01-01-2022]/sd NOT [21-01-2026]/sd	9,275
Final result		
21.	#20 NOT 'conference abstract'/it	6,642

The final search result, usually found at the end of the documentation, forms the list of abstracts.

/de = Term from the Emtree controlled vocabulary; **/exp** = Includes terms found below this term in the Emtree hierarchy; **:ab** = Abstract; **:kw** = Author keyword; **:ti** = Article Title; **:ti,ab** = Title or abstract; ***** = Truncation; **' '** = Quotation marks; searches for an exact phrase; **NEAR/n** = Retrieves terms that are within "n" words of each other in either direction; **NEXT/n** = Requests terms that are within "n" words of each other in the order specified; **dm_rh** = Disease subheading: Rehabilitation; **:tt** = Original non-English title; **/sd** = Since date

Database: Medline

Interface: OvidSP

Date of search: 21 January 2026

Note: limit to RCT studies

Search terms	Items found
Population: Post COVID-19 conditions	
1. COVID-19/rh	468
2. Coronavirus Infections/rh	128
3. ((covid* or coronavirus* or corona virus* or sars cov 2 or 2019 ncov) adj3 (after care or aftercare or chronic* or continuing or convalesc* or enduring or late or lingering or long* or non specific or nonspecific or permanent or persist* or post* or prolong* or rehab* or recover* or recurr* or relaps* or remaining or residing or residual or sequela* or sequelae* or telerehab*)).ti,kf.	22,101
4. ((covid* or coronavirus* or corona virus* or sars cov 2 or 2019 ncov) adj5 (after care or aftercare or chronic* or continuing or convalesc* or enduring or late or lingering or long* or longterm* or non specific or nonspecific or permanent or persist* or post* or prolong* or rehab* or recover* or recurr* or relaps* or remaining or residing or residual or sequela* or sequelae* or telerehab*) adj5 (anxiet* or arrhythmia* or arrythmia* or asthma* or brain or breath* or cardiac* or cognit* or depress* or dizz* or dyspnea* or dysrhythmia* or fatigue or fever* or gustat* or heart* or insomnia or kidney* or lung* or nausea or neuro* or olfact* or pain or palpitation* or postural orthostatic tachycardia syndrome or pots or pneumoni* or pulmonary or respirat* or sleep* or smell* or spinning or symptom* or tast* or vertigo*)).ab.	11,291
5. Post-Acute COVID-19 Syndrome/	4,599
6. postcovid*.ti,ab,kf.	94
7. 1 or 2 or 3 or 4 or 5 or 6	27,944
8. COVID-19/	307,641
9. Coronavirus Infections/	47,258
10. (covid* or coronavirus* or corona virus* or sars cov 2 or 2019 ncov).ti,ab,kf.	503,470
11. 8 or 9 or 10	513,761
12. (persist* adj5 symptom*).ti,ab,kf.	28,469
13. (long haul* or post acute or post viral or post virus or sequela* or sequelae*).ti,ab,kf.	103,074
14. 12 or 13	129,890
15. 11 and 14	10,843
16. (long covid* or post covid*).ab.	15,785
17. 7 or 15 or 16	36,205
Study types: randomised controlled trials⁴	
18. ((randomized controlled trial or controlled clinical trial or clinical trial, phase iii).pt. or (randomized or randomised).ab. or placebo.ab. or clinical trials as topic.sh. or randomly.ab. or trial.ti. or ("Phase 3" or "phase3" or "phase III" or P3 or "PIII").ti,ab,kw.) not (exp animals/ not humans.sh.)	1,713,355
Combined sets	
19. 17 and 18	1,747
Final result	
20. limit 19 to dt=20220101-20260121	1,425

⁴ Cochrane Highly Sensitive Search Strategy for identifying randomized trials in MEDLINE: sensitivity- and precision-maximizing version (2023 revision); Ovid format. Lefebvre C, Glanville J, Briscoe S, Featherstone R, Littlewood A, Metzendorf M-I, Noel-Storr A, Paynter R, Rader T, Thomas J, Wieland LS. Chapter 4: Searching for and selecting studies [last updated September 2024]. In: Higgins JPT, Thomas J, Chandler J, Cumpston M, Li T, Page MJ, Welch VA (editors). Cochrane Handbook for Systematic Reviews of Interventions version 6.5. Cochrane, 2024. Available from: <https://training.cochrane.org/handbook/current/chapter-04-technical-supplement-searching-and-selecting-studies#section-3-6-1>. with modifications: the following terms are added: clinical trial, phase iii.pt. ; randomised.ab. ; ("Phase 3" or "phase3" or "phase III" or P3 or "PIII").ti,ab,kw.

The final search result, usually found at the end of the documentation, forms the list of abstracts.

.ab. = Abstract; **.ab,ti.** = Abstract or title; **.bt.** = Book title; **exp** = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy; **.kf.** = Author keyword; **.ti.** = Title; **/** = Term from the Medline controlled vocabulary, but does not include terms found below this term in the MeSH hierarchy; ***** = Focus (if found in front of a MeSH term); ***** = Truncation (if found at the end of a free text term); **adjn** = Adjacency operator that retrieve records containing terms (in any order) within a specified number (n) of words; **/rh** = Subheading: Rehabilitation

Database: LOVE Platform for COVID-19

Interface: <https://app.iloveevidence.com/topics>

Date of search: 21 January 2026

Note: limit to RCT studies

Search terms		Items found
Population: Post COVID-19 conditions		
1.	People with post-COVID-19 conditions - all types of questions	3,040
2.	RCT Reporting data	453
Final result		
3.		453

The final search result, usually found at the end of the documentation, forms the list of abstracts.

Database: Scopus

Interface: scopus.com

Date of search: 21 January 2026

Note: forward citation search; limit to RCT studies

Search terms	Items found
Cited articles	
1. EID(2-s2.0-85135829219 OR 2-s2.0-85135414196 OR 2-s2.0-85145286056 OR 2-s2.0-85135100067 OR 2-s2.0-85119064059 OR 2-s2.0-85108537804 OR 2-s2.0-85147652979 OR 2-s2.0-85142477872 OR 2-s2.0-85130994694 OR 2-s2.0-85109471000 OR 2-s2.0-85153880978 OR 2-s2.0-85141458201 OR 2-s2.0-85137049769 OR 2-s2.0-85159767345 OR 2-s2.0-85151373856 OR 2-s2.0-85145155919 OR 2-s2.0-85138612514 OR 2-s2.0-85152300311 OR 2-s2.0-85172913042 OR 2-s2.0-85161919845 OR 2-s2.0-85162967316 OR 2-s2.0-85111373250 OR 2-s2.0-85173583401 OR 2-s2.0-85128168075 OR 2-s2.0-85163764067 OR 2-s2.0-85130028715 OR 2-s2.0-85160084638 OR 2-s2.0-85144500875 OR 2-s2.0-85133788534 OR 2-s2.0-85163329519 OR 2-s2.0-85147225801 OR 2-s2.0-85142037105 OR 2-s2.0-85149668980 OR 2-s2.0-85143526613 OR 2-s2.0-85144982570 OR 2-s2.0-85133946400 OR 2-s2.0-85217643587 OR 2-s2.0-85205146934 OR 2-s2.0-85202740592 OR 2-s2.0-85214493827 OR 2-s2.0-85190684311 OR 2-s2.0-85214324939 OR 2-s2.0-85205096634 OR 2-s2.0-85200962569 OR 2-s2.0-85189885276 OR 2-s2.0-85193414061 OR 2-s2.0-85216607947 OR 2-s2.0-85200919718 OR 2-s2.0-85213177460 OR 2-s2.0-85207683106 OR 2-s2.0-85208243780 OR 2-s2.0-85204300668 OR 2-s2.0-85188420536 OR 2-s2.0-85206803058 OR 2-s2.0-85198525201 OR 2-s2.0-85205528037 OR 2-s2.0-85195850426 OR 2-s2.0-85206575570 OR 2-s2.0-85192559183 OR 2-s2.0-85199989963 OR 2-s2.0-85213516534 OR 2-s2.0-85205605323 OR 2-s2.0-85134424295)	63
2. 1 AND View cited by	1,338
3. 2 AND (INDEXTERMS ("clinical trials" OR "clinical trials as a topic" OR "randomized controlled trial" OR "Randomized Controlled Trials as Topic" OR "controlled clinical trial" OR "Controlled Clinical Trials" OR "random allocation" OR "Double-Blind Method" OR "Single-Blind Method" OR "Cross-Over Studies" OR "Placebos" OR "multicenter study" OR "double blind procedure" OR "single blind procedure" OR "crossover procedure" OR "clinical trial" OR "controlled study" OR "randomization" OR "placebo") OR TITLE-ABS-KEY ("clinical trials" OR "randomized controlled trial" OR "randomized controlled trials" OR "controlled clinical trial" OR "controlled clinical trials" OR "random allocation" OR "randomly allocated" OR "allocated randomly" OR "Double-Blind Method" OR "single-blind method" OR "cross-over studies" OR placebo* OR "cross-over trial" OR "single blind" OR "double blind" OR "factorial design" OR "factorial trial") OR TITLE (trial* OR rct OR randomised* OR randomized*))	672
Citing articles	
4. #1 View cited by	672

The final search result, usually found at the end of the documentation, forms the list of abstracts.

TITLE-ABS-KEY = Title, abstract or keywords; **EID** = Document identifier in Scopus; * = Truncation; " " = Quotation marks; searches for an exact phrase

References used for citation search:

1. Abdelazim MH, Abdelazim AH. Effect of Sodium Gluconate on Decreasing Elevated Nasal Calcium and Improving Olfactory Function Post COVID-19 Infection. *American Journal of Rhinology and Allergy*. 2022;36(6):841–8. Available from: <https://doi.org/10.1177/19458924221120116>
2. Abdelazim MH, Abdelazim AH, Moneir W. The effect of intra-nasal tetra sodium pyrophosphate on decreasing elevated nasal calcium and improving olfactory function post COVID-19: a randomized controlled trial. *Allergy, Asthma and Clinical Immunology*. 2022;18(1). Available from: <https://doi.org/10.1186/s13223-022-00711-0>
3. Bai B, Xu M, Zhou H, Liao Y, Liu F, Liu Y, et al. Effects of aerobic training on cardiopulmonary fitness in patients with long COVID-19: a randomized controlled trial. *Trials*. 2024;25(1). Available from: <https://doi.org/10.1186/s13063-024-08473-3>

4. Bérubé S, Demers C, Bussière N, Cloutier F, Pek V, Chen A, et al. Olfactory Training Impacts Olfactory Dysfunction Induced by COVID-19: A Pilot Study. *ORL*. 2023;85(2):57–66. Available from: <https://doi.org/10.1159/000528188>
5. Besnier F, Malo J, Mohammadi H, Clavet S, Klai C, Martin N, et al. Effects of Cardiopulmonary Rehabilitation on Cardiorespiratory Fitness and Clinical Symptom Burden in Long COVID: Results From the COVID-Rehab Randomized Controlled Trial. *Am J Phys Med Rehabil*. 2025;104(2):163–71. Available from: <https://doi.org/10.1097/PHM.0000000000002559>
6. Campos MCV, Schuler SSV, Lacerda AJ, Mazzoni AC, da Silva T, Rosa FCS, et al. Evaluation of vascular photobiomodulation for orofacial pain and tension type headache following COVID 19 in a pragmatic randomized clinical trial. *Sci rep*. 2024;14(1). Available from: <https://doi.org/10.1038/s41598-024-82412-9>
7. Capin JJ, Jolley SE, Morrow M, Connors M, Hare K, MaWhinney S, et al. Safety, feasibility and initial efficacy of an app-facilitated telerehabilitation (AFTER) programme for COVID-19 survivors: A pilot randomised study. *BMJ Open*. 2022;12(7). Available from: <https://doi.org/10.1136/bmjopen-2022-061285>
8. Charoenporn V, Tungsukruthai P, Teacharushatakit P, Hanvivattanakul S, Sriyakul K, Sukprasert S, et al. Effects of an 8-week high-dose vitamin D supplementation on fatigue and neuropsychiatric manifestations in post-COVID syndrome: A randomized controlled trial. *Psychiatry Clin Neurosci*. 2024;78(10):595–604. Available from: <https://doi.org/10.1111/pcn.13716>
9. Chen Y, Liu C, Wang T, Qi J, Jia X, Zeng X, et al. Efficacy and safety of BufeihuoXue capsules in the management of convalescent patients with COVID-19 infection: A multicentre, double-blind, and randomised controlled trial. *Journal of Ethnopharmacology*. 2022;284. Available from: <https://doi.org/10.1016/j.jep.2021.114830>
10. D'Ascanio L, Vitelli F, Cingolani C, Maranzano M, Brenner MJ, Di Stadio A. Randomized clinical trial “olfactory dysfunction after COVID-19: Olfactory rehabilitation therapy vs. intervention treatment with Palmitoylethanolamide and Luteolin”: Preliminary results. *Eur Rev Med Pharmacol Sci*. 2021;25(11):4156–62. Available from: https://doi.org/10.26355/eurrev_202106_26059
11. Dal-Negro RW, Turco P, Povero M. Nebivolol: an effective option against long-lasting dyspnoea following COVID-19 pneumonia - a pivotal double-blind, cross-over controlled study. *Multidiscip respir med*. 2022;17. Available from: <https://doi.org/10.4081/mrm.2022.886>
12. del Corral T, Fabero-Garrido R, Plaza-Manzano G, Fernández De Las Peñas C, Navarro-Santana M, López-de-Uralde-Villanueva I. Home-based respiratory muscle training on quality of life and exercise tolerance in long-term post-COVID-19: Randomized controlled trial. *Ann Phys Rehabil Med*. 2023;66(1). Available from: <https://doi.org/10.1016/j.rehab.2022.101709>
13. del Corral T, Fabero-Garrido R, Plaza-Manzano G, Izquierdo García J, López-Sáez M, Garcia-Garcia R, et al. Effect of respiratory rehabilitation on quality of life in individuals with post-COVID-19 symptoms: A randomised controlled trial. *Ann Phys Rehabil Med*. 2025;68(1). Available from: <https://doi.org/10.1016/j.rehab.2024.101920>
14. Di Stadio A, D'Ascanio L, Vaira LA, Cantone E, de Luca P, Cingolani C, et al. Ultramicronized Palmitoylethanolamide and Luteolin Supplement Combined with Olfactory Training to Treat Post-COVID-19 Olfactory Impairment: A Multi-Center Double-Blinded Randomized Placebo-Controlled Clinical Trial. *Curr Neuropharmacol*. 2022;20(10):2001–12. Available from: <https://doi.org/10.2174/1570159X20666220420113513>
15. Duffy A, Naimi B, Garvey E, Hunter S, Kumar A, Kahn C, et al. Topical platelet-rich plasma as a possible treatment for olfactory dysfunction—A randomized controlled trial. *International Forum of Allergy and Rhinology*. 2024;14(9):1455–64. Available from: <https://doi.org/10.1002/alr.23363>
16. Dwiputra B, Ambari AM, Triangto K, Supriami K, Kesuma TW, Zuhdi N, et al. The home-based breathing and chest mobility exercise improves cardiorespiratory functional capacity in long COVID with cardiovascular comorbidities: a randomized study. *BMC Cardiovasc Disord*. 2024;24(1). Available from: <https://doi.org/10.1186/s12872-024-04196-0>
17. Fan Y, Shi Y, Zhang J, Sun D, Wang X, Fu G, et al. The effects of narrative exposure therapy on COVID-19 patients with post-traumatic stress symptoms: A randomized controlled trial. *J Affect Disord*. 2021;293:141–7. Available from: <https://doi.org/10.1016/j.jad.2021.06.019>
18. Finnigan LEM, Cassar MP, Koziel MJ, Pradines J, Lamlum H, Azer K, et al. Efficacy and tolerability of an endogenous metabolic modulator (AXA1125) in fatigue-predominant long COVID: a single-centre, double-blind, randomised controlled phase 2a pilot study. *EClinicalMedicine*. 2023;59. Available from: <https://doi.org/10.1016/j.eclinm.2023.101946>
19. Gaudreau-Majeau F, Gagnon C, Djedaa SC, Berube B, Malo J, Iglésies-Grau J, et al. Cardiopulmonary rehabilitation's influence on cognitive functions, psychological state, and sleep quality in long COVID-19 patients: A randomized controlled trial. *NEUROPSYCHOL REHABIL*. 2025;35(2):345–61. Available from: <https://doi.org/10.1080/09602011.2024.2338613>

20. Geng LN, Bonilla H, Hedlin H, Jacobson KB, Tian L, Jagannathan P, et al. Nirmatrelvir-Ritonavir and Symptoms in Adults With Postacute Sequelae of SARS-CoV-2 Infection The STOP-PASC Randomized Clinical Trial. *JAMA Intern Med.* 2024;184(9):1024–34. Available from: <https://doi.org/10.1001/jamainternmed.2024.2007>
21. Gupta S, Lee JJ, Perrin A, Khan A, Smith HJ, Farrell N, et al. Efficacy and Safety of Saline Nasal Irrigation Plus Theophylline for Treatment of COVID-19-Related Olfactory Dysfunction: The SCENT2 Phase 2 Randomized Clinical Trial. *JAMA Otolaryngology - Head and Neck Surgery.* 2022;148(9):830–7. Available from: <https://doi.org/10.1001/jamaoto.2022.1573>
22. Guttuso T, Zhu J, Wilding GE. Lithium Aspartate for Long COVID Fatigue and Cognitive Dysfunction: A Randomized Clinical Trial. *JAMA netw open.* 2024;7(10):e2436874. Available from: <https://doi.org/10.1001/jamanetworkopen.2024.36874>
23. Hansen KS, Mogensen TH, Agergaard J, Schiøttz-Christensen B, Østergaard L, Vibholm LK, et al. High-dose coenzyme Q10 therapy versus placebo in patients with post COVID-19 condition: a randomized, phase 2, crossover trial. *The Lancet Regional Health - Europe.* 2023;24. Available from: <https://doi.org/10.1016/j.lanep.2022.100539>
24. He Y, Liu X, Zha S, Wang Y, Zhang J, Zhang Q, et al. A pilot randomized controlled trial of major ozone autohemotherapy for patients with post-acute sequelae of COVID-19. *Int Immunopharmacol.* 2024;139. Available from: <https://doi.org/10.1016/j.intimp.2024.112673>
25. Hosseinpour M, Kabiri M, Rajati M, Ghadam Soltani T, Rezaei A, Faghfour A, et al. Intranasal Corticosteroid Treatment on Recovery of Long-Term Olfactory Dysfunction Due to COVID-19. *Laryngoscope.* 2022;132(11):2209–16. Available from: <https://doi.org/10.1002/lary.30353>
26. Ibrahim AA, Hussein HM, Ali MS, Kanwal R, Acar T, Shaik DH, et al. A randomized controlled trial examining the impact of low vs. moderate-intensity aerobic training in post-discharge COVID-19 older subjects. *Eur Rev Med Pharmacol Sci.* 2023;27(9):4280–91. Available from: https://doi.org/10.26355/eurrev_202305_32338
27. Imam MS, Abdelazim MH, Abdelazim AH, Ismaiel WF, Gamal M, Abourehab MAS, et al. Efficacy of pentasodium diethylenetriamine pentaacetate in ameliorating anosmia post COVID-19. *American Journal of Otolaryngology - Head and Neck Medicine and Surgery.* 2023;44(4). Available from: <https://doi.org/10.1016/j.amjoto.2023.103871>
28. Jimeno-Almazán A, Buendía-Romero Á, Martínez-Cava A, Franco-López F, Sanchez-Alcaraz BJ, Courel-Ibáñez J, et al. Effects of a concurrent training, respiratory muscle exercise, and selfmanagement recommendations on recovery from post-COVID-19 conditions: the RECOVE trial. *Journal of Applied Physiology.* 2023;134(1):95–104. Available from: <https://doi.org/10.1152/jappphysiol.00489.2022>
29. Jimeno-Almazán A, Franco-López F, Buendía-Romero Á, Martínez-Cava A, Sánchez-Agar JA, Sanchez-Alcaraz BJ, et al. Rehabilitation for post-COVID-19 condition through a supervised exercise intervention: A randomized controlled trial. *Scand J Med Sci Sports.* 2022;32(12):1791–801. Available from: <https://doi.org/10.1111/sms.14240>
30. Kaczmarczyk K, Płoszczyca K, Jaskulski K, Czuba M. Eight Weeks of Resistance Training Is Not a Sufficient Stimulus to Improve Body Composition in Post-COVID-19 Elderly Adults. *J Clin Med.* 2025;14(1). Available from: <https://doi.org/10.3390/jcm14010174>
31. Kaddoussi R, Rejeb H, Kalai A, Zaara E, Rouatbi N, Ben Salah Z, et al. Effects of a cardiopulmonary rehabilitation programme on submaximal exercise in Tunisian patients with long-COVID19: A randomized clinical trial. *Biol Sport.* 2024;41(4):197–217. Available from: <https://doi.org/10.5114/biolSport.2024.139072>
32. Kerget B, Çil G, Araz Ö, Alper F, Akgün M. Comparison of two antifibrotic treatments for lung fibrosis in post-COVID-19 syndrome: A randomized, prospective study. *Med Clin (Barc).* 2023;160(12):525–30. Available from: <https://doi.org/10.1016/j.medcli.2022.12.021>
33. Khodabakhshian F, Tagharrobi Z, Sharifi K, Sooki Z, Heravi M, Joshaghani FZ. Effect of auriculotherapy on persistent fatigue in recovered patients from the acute phase of COVID-19: a double-blind randomized clinical trial. *Fatigue: Biomedicine, Health and Behavior.* 2025;13(1):54–66. Available from: <https://doi.org/10.1080/21641846.2024.2395230>
34. Kuut TA, Müller F, Csorba I, Braamse A, Aldenkamp A, Appelman B, et al. Efficacy of Cognitive-Behavioral Therapy Targeting Severe Fatigue Following Coronavirus Disease 2019: Results of a Randomized Controlled Trial. *Clinical Infectious Diseases.* 2023;77(5):687–95. Available from: <https://doi.org/10.1093/cid/ciad257>
35. Kwan ATH, Guo Z, Ceban F, Le GH, Wong S, Teopiz KM, et al. Assessing the Effects of Metabolic Disruption, Body Mass Index and Inflammation on Depressive Symptoms in Post-COVID-19 Condition: A Randomized Controlled Trial on Vortioxetine. *Adv Ther.* 2024;41(5):1983–94. Available from: <https://doi.org/10.1007/s12325-024-02826-9>

36. Leitman M, Fuchs S, Tyomkin V, Hadanny A, Zilberman-Itskovich S, Efrati S. The effect of hyperbaric oxygen therapy on myocardial function in post-COVID-19 syndrome patients: a randomized controlled trial. *Sci rep.* 2023;13(1). Available from: <https://doi.org/10.1038/s41598-023-36570-x>
37. León-Herrera S, Oliván-Blázquez B, Sánchez-Recio R, Méndez-López F, Magallón-Botaya R, Sánchez-Arizcuren R. Effectiveness of an online multimodal rehabilitation program in long COVID patients: a randomized clinical trial. *Archives of Public Health.* 2024;82(1). Available from: <https://doi.org/10.1186/s13690-024-01354-w>
38. Lerner DK, Garvey KL, Arrighi-Allisan A, Kominsky E, Filimonov A, Al-Awady A, et al. Omega-3 Fatty Acid Supplementation for the Treatment of Persistent COVID-Related Olfactory Dysfunction. *American Journal of Rhinology and Allergy.* 2023;37(5):531–40. Available from: <https://doi.org/10.1177/19458924231174799>
39. Li J, Xia W, Zhan C, Liu S, Yin Z, Wang J, et al. A telerehabilitation programme in post-discharge COVID-19 patients (TERECO): A randomised controlled trial. *Thorax.* 2022;77(7):697–706. Available from: <https://doi.org/10.1136/thoraxjnl-2021-217382>
40. Longobardi I, Fabiana Goessler K, de Oliveira Júnior GN, Prado DMLD, Santos JVP, Meletti MM, et al. Effects of a 16-week home-based exercise training programme on health-related quality of life, functional capacity, and persistent symptoms in survivors of severe/critical COVID-19: A randomised controlled trial. *BJSM online.* 2023;57(20):1295–303. Available from: <https://doi.org/10.1136/bjsports-2022-106681>
41. Lukkunaprasit T, Satapornpong P, Kulchanawichien P, Prawang A, Limprasert C, Saingam W, et al. Impact of combined plant extracts on long COVID: An exploratory randomized controlled trial. *Complement Ther Med.* 2024;87. Available from: <https://doi.org/10.1016/j.ctim.2024.103107>
42. Maritescu A, Crişan AF, Pescaru CC, Stoicescu ER, Oancea C, Iacob D. Effectiveness of Combined Pulmonary Rehabilitation and Progressive Muscle Relaxation in Treating Long-Term COVID-19 Symptoms: A Randomized Controlled Trial. *J Clin Med.* 2024;13(20). Available from: <https://doi.org/10.3390/jcm13206237>
43. McNarry MA, Berg RMG, Shelley J, Hudson J, Saynor ZL, Duckers J, et al. Inspiratory muscle training enhances recovery post-COVID-19: a randomised controlled trial. *European Respiratory Journal.* 2022;60(4). Available from: <https://doi.org/10.1183/13993003.03101-2021>
44. Momtazmanesh S, Ansari S, Izadi Z, Shobeiri P, Vatankhah V, Seifi A, et al. Effect of famotidine on cognitive and behavioral dysfunctions induced in post-COVID-19 infection: A randomized, double-blind, and placebo-controlled study. *J Psychosom Res.* 2023;172. Available from: <https://doi.org/10.1016/j.jpsychores.2023.111389>
45. Nerli TF, Selvakumar J, Cvejic E, Heier I, Pedersen M, Johnsen TL, et al. Brief Outpatient Rehabilitation Program for Post-COVID-19 Condition: A Randomized Clinical Trial. *JAMA network open.* 2024;7(12):e2450744. Available from: <https://doi.org/10.1001/jamanetworkopen.2024.50744>
46. Okan F, Okan S, Duran Yücesoy F. Evaluating the Efficiency of Breathing Exercises via Telemedicine in Post-Covid-19 Patients: Randomized Controlled Study. *Clin Nurs Res.* 2022;31(5):771–81. Available from: <https://doi.org/10.1177/10547738221097241>
47. Oliver-Mas S, Delgado-Alonso C, Delgado-Álvarez A, Diez-Cirarda M, Cuevas C, Fernandez-Romero L, et al. Transcranial direct current stimulation for post-COVID fatigue: a randomized, double-blind, controlled pilot study. *Brain commun.* 2023;5(2). Available from: <https://doi.org/10.1093/braincomms/fcad117>
48. Palau Sampedro P, Domínguez-Mafé E, González C, Bondía E, Albiach C, Sastre C, et al. Effect of a home-based inspiratory muscle training programme on functional capacity in postdischarged patients with long COVID: The InsCOVID trial. *BMJ Open Respir Res.* 2022;9(1). Available from: <https://doi.org/10.1136/bmjresp-2022-001439>
49. Philip KEJ, Owles H, McVey S, Pagnuco T, Bruce K, Brunjes H, et al. An online breathing and wellbeing programme (ENO Breathe) for people with persistent symptoms following COVID-19: a parallel-group, single-blind, randomised controlled trial. *The Lancet Respiratory Medicine.* 2022;10(9):851–62. Available from: [https://doi.org/10.1016/S2213-2600\(22\)00125-4](https://doi.org/10.1016/S2213-2600(22)00125-4)
50. Rana A, Bhattacharya P, Ganguly S, Saha S, Naskar S, Ghosh S, et al. Individualized Homeopathic Medicinal Products in the Treatment of Post-COVID-19 Conditions: A Double-Blind, Randomized, Placebo-Controlled, Feasibility Trial. *J Integr Complement Med.* 2025;31(1):64–74. Available from: <https://doi.org/10.1089/jicm.2024.0102>
51. Redel AL, Miry F, Hellemons ME, Braunstahl GJ, Oswald LMA. Effect of lactoferrin treatment on symptoms and physical performance in long COVID patients: a randomised, double-blind, placebo-controlled trial. *ERJ open res.* 2024;10(4). Available from: <https://doi.org/10.1183/23120541.00031-2024>

52. Rodríguez-Morán M, Guerrero-Romero F, Barragán-Zuñiga J, Gamboa-Gómez CI, Weyman-Vela Y, Arce-Quiñones M, et al. Combined oral supplementation with magnesium plus vitamin D alleviates mild to moderate depressive symptoms related to long-COVID: an open-label randomized, controlled clinical trial. *Magnes Res.* 2024;37(3):49–57. Available from: <https://doi.org/10.1684/mrh.2024.0535>
53. Romanet C, Wormser J, Fels A, Lucas P, Prudat C, Sacco E, et al. Effectiveness of exercise training on the dyspnoea of individuals with long COVID: A randomised controlled multicentre trial. *Ann Phys Rehabil Med.* 2023;66(5). Available from: <https://doi.org/10.1016/j.rehab.2023.101765>
54. Sánchez-Milá Z, Rodríguez-Sanz D, Martín-Nieto A, Jiménez Lobo A, Ramos Hernández M, Campón-Chekroun A, et al. Effects of a respiratory and neurological rehabilitation treatment plan in post Covid-19 affected university students. Randomized clinical study. *Chron respir dis.* 2024;21. Available from: <https://doi.org/10.1177/14799731241255967>
55. Santana K, França E, Sato J, Silva A, Queiroz M, de Farias J, et al. Non-invasive brain stimulation for fatigue in post-acute sequelae of SARS-CoV-2 (PASC). *Brain Stimul.* 2023;16(1):100–7. Available from: <https://doi.org/10.1016/j.brs.2023.01.1672>
56. Schepens EJA, Blijleven EE, Boek WM, Boesveldt S, Stokroos RJ, Stegeman I, et al. Prednisolone does not improve olfactory function after COVID-19: a randomized, double-blind, placebo-controlled trial. *BMC Med.* 2022;20(1). Available from: <https://doi.org/10.1186/s12916-022-02625-5>
57. Shamohammadi I, Kazemeyni S, Sadighi M, Hasanzadeh T, Dizavi A. Efficacy of tadalafil on improvement of men with erectile dysfunction caused by COVID-19: A randomized placebo-controlled trial. *Asian J Urol.* 2024;11(1):128–33. Available from: <https://doi.org/10.1016/j.ajur.2022.05.006>
58. Tosato M, Calvani R, Picca A, Ciciarello F, Galluzzo V, Coelho-Júnior HJ, et al. Effects of L-Arginine Plus Vitamin C Supplementation on Physical Performance, Endothelial Function, and Persistent Fatigue in Adults with Long COVID: A Single-Blind Randomized Controlled Trial. *Nutrients.* 2022;14(23). Available from: <https://doi.org/10.3390/nu14234984>
59. Tryfonos A, Pourhamidi K, Jörnåker G, Engvall M, Eriksson L, Elhallos S, et al. Functional Limitations and Exercise Intolerance in Patients With Post-COVID Condition: A Randomized Crossover Clinical Trial. *JAMA netw open.* 2024;7(4):E244386. Available from: <https://doi.org/10.1001/jamanetworkopen.2024.4386>
60. Yan CH, Jang SS, Lin HFC, Ma Y, Khanwalkar AR, Thai A, et al. Use of platelet-rich plasma for COVID-19-related olfactory loss: a randomized controlled trial. *International Forum of Allergy and Rhinology.* 2023;13(6):989–97. Available from: <https://doi.org/10.1002/alr.23116>
61. Yasaci Z, Mustafaoglu R, Ozgur O, Kuveloglu B, Esen Y, Ozmen O, et al. Virtual recovery: efficacy of telerehabilitation on dyspnea, pain, and functional capacity in post-COVID-19 syndrome. *Ir J Med Sci.* 2025;194(2):631–40. Available from: <https://doi.org/10.1007/s11845-025-03899-3>
62. Zha S, Liu X, Yao Y, He Y, Wang Y, Zhang Q, et al. Short-term intermittent hypoxia exposure for dyspnea and fatigue in post-acute sequelae of COVID-19: A randomized controlled study. *Respir Med.* 2024;232. Available from: <https://doi.org/10.1016/j.rmed.2024.107763>
63. Zilberman-Itskovich S, Catalogna M, Sasson E, Elman-Shina K, Hadanny A, Lang E, et al. Hyperbaric oxygen therapy improves neurocognitive functions and symptoms of post-COVID condition: randomized controlled trial. *Sci rep.* 2022;12(1). Available from: <https://doi.org/10.1038/s41598-022-15565-0>

Database: Medline

Interface: OvidSP

Date of search: 26 January 2026

Title: limit to systematic reviews

Search terms	Items found
Population: Post COVID-19 conditions	
1. COVID-19/rh	466
2. Coronavirus Infections/rh	128
3. ((covid* or coronavirus* or corona virus* or sars cov 2 or 2019 ncov) adj3 (after care or aftercare or chronic* or continuing or convalesc* or enduring or late or lingering or long* or non specific or nonspecific or permanent or persist* or post* or prolong* or rehab* or recover* or recurr* or relaps* or remaining or residing or residual or sequela* or sequelae* or telerehab*)).ti,kf.	22,130
4. ((covid* or coronavirus* or corona virus* or sars cov 2 or 2019 ncov) adj5 (after care or aftercare or chronic* or continuing or convalesc* or enduring or late or lingering or long* or longterm* or non specific or nonspecific or permanent or persist* or post* or prolong* or rehab* or recover* or recurr* or relaps* or remaining or residing or residual or sequela* or sequelae* or telerehab*) adj5 (anxiet* or arrhythmia* or arrythmia* or asthma* or brain or breath* or cardiac* or cognit* or depress* or dizz* or dyspnea* or dysrhythmia* or fatigue or fever* or gustat* or heart* or insomnia or kidney* or lung* or nausea or neuro* or olfact* or pain or palpitation* or postural orthostatic tachycardia syndrome or pots or pneumoni* or pulmonary or respirat* or sleep* or smell* or spinning or symptom* or tast* or vertigo*)).ab.	11,304
5. Post-Acute COVID-19 Syndrome/	4,605
6. postcovid*.ti,ab,kf.	94
7. 1 or 2 or 3 or 4 or 5 or 6	27,974
8. COVID-19/	307,717
9. Coronavirus Infections/	47,276
10. (covid* or coronavirus* or corona virus* or sars cov 2 or 2019 ncov).ti,ab,kf.	503,694
11. 8 or 9 or 10	514,000
12. (persist* adj5 symptom*).ti,ab,kf.	28,520
13. (long haul* or post acute or post viral or post virus or sequela* or sequelae*).ti,ab,kf.	103,127
14. 12 or 13	129,988
15. 11 and 14	10,863
16. (long covid* or post covid*).ab.	15,812
17. 7 or 15 or 16	36,254
Study types: systematic reviews and meta-analyses	
18. (Systematic Review/ or Meta-Analysis/ or Cochrane Database Syst Rev.ja. or Meta-Analysis as Topic/ or Network Meta-Analysis/ or Technology Assessment, Biomedical/ or Systematic Reviews as Topic/ or ((systematic* adj4 review*) or (systematic* adj4 bibliographic*) or (systematic* adj4 literature) or (comprehensive* adj4 literature) or (comprehensive* adj4 bibliographic*) or (integrative adj4 review) or (integrative adj4 review) or (meta-analy* or metaanaly*) or (information adj3 synthesis) or (data adj3 synthesis) or (data adj3 extract*) or (medline or pubmed or psyclit or cinahl or (psycinfo not psycinfo database) or web of science or scopus or embase)).ab,bt,ti. or (systematic overview* or systemic review* or scoping review or scoping literature review or mapping review or umbrella review* or review of reviews or overview of reviews or meta-review or integrative overview or meta-synthesis or metasynthesis or quantitative review or quantitative synthesis or meta-ethnography or research synthesis or systematic literature search or systematic literature research or evidence-based review or evidence synthesis).bt,ti. or (research overview* or collaborative review* or collaborative overview* or technology assessment* or technology overview* or technology appraisal* or hta or htas or methodological overview* or methodologic overview* or methodological review* or methodologic review* or quantitative overview*).ab,bt,ti.) not (Editorial/ or Letter/ or Case Reports/)	861,270
Combined sets	
19. 17 and 18	2,264

20.

Final result

21.

2,264

The final search result, usually found at the end of the documentation, forms the list of abstracts.

.ab. = Abstract; **.ab,ti.** = Abstract or title; **.bt.** = Book title; **exp** = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy; **.kf.** = Author keyword; **.ti.** = Title; **/** = Term from the Medline controlled vocabulary, but does not include terms found below this term in the MeSH hierarchy; ***** = Focus (if found in front of a MeSH term); ***** = Truncation (if found at the end of a free text term); **adjn** = Adjacency operator that retrieve records containing terms (in any order) within a specified number (n) of words; **/rh** = Subheading: Rehabilitation

Database: Embase

Interface: embase.com

Date of search: 26 January 2026

Note: limit to systematic reviews

Search terms	Items found
Population: Post COVID-19 conditions	
1. 'coronavirus disease 2019'/exp/dm_rh	574
2. 'coronavirus infection'/dm_rh	59
3. ((covid* OR coronavirus* OR 'corona virus*' OR 'sars cov 2' OR '2019 ncov') NEAR/3 ('after care' OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR 'non specific' OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*)):ti,kw	28,395
4. ((covid* OR coronavirus* OR 'corona virus*' OR 'sars cov 2' OR '2019 ncov') NEAR/5 ('after care' OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR longterm* OR 'non specific' OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*) NEAR/5 (anxiet* OR arrhythmia* OR arrythmia* OR asthma* OR brain OR breath* OR cardiac* OR cognit* OR depress* OR dizz* OR dyspnea* OR dysrhythmia* OR fatigue OR fever* OR gustat* OR heart* OR insomnia OR kidney* OR lung* OR nausea OR neuro* OR olfact* OR pain OR palpitation* OR 'postural orthostatic tachycardia syndrome' OR pots OR pneumoni* OR pulmonary OR respirat* OR sleep* OR smell* OR spinning OR symptom* OR tast* OR vertigo*)):ab	16,643
5. 'long covid'/de	12,824
6. postcovid*:ti,ab,kw	17,719
7. 1 OR 2 OR 3 OR 4 OR 5 OR 6	43,810
8. 'coronavirus disease 2019'/exp	502,671
9. 'coronavirus infection'/de	13,463
10. covid*:ti,ab,kw OR coronavirus*:ti,ab,kw OR 'corona virus*':ti,ab,kw OR 'sars cov 2':ti,ab,kw OR '2019 ncov':ti,ab,kw	599,403
11. 8 OR 9 OR 10	645,977
12. (persist* NEAR/5 symptom*):ti,ab,kw	47,466
13. 'long haul*':ti,ab,kw OR 'post acute':ti,ab,kw OR 'post viral':ti,ab,kw OR 'post virus':ti,ab,kw OR sequela*:ti,ab,kw OR sequelae*:ti,ab,kw	144,955
14. 12 OR 13	189,819
15. 11 AND 14	15,689
16. ('long covid*' OR 'post covid*'):ab	22,814
17. 7 OR 15 OR 16	50,598
Study types: systematic reviews and meta-analyses	
18. ('systematic review'/de OR 'meta analysis'/de OR [cochrane review]/lim OR 'biomedical technology assessment'/de OR ((systematic* NEAR/4 review*):ti,ab) OR ((systematic* NEAR/4 bibliographic*):ti,ab) OR ((systematic* NEAR/4 literature):ti,ab) OR ((comprehensive* NEAR/4 literature):ti,ab) OR ((comprehensive* NEAR/4 bibliographic*):ti,ab) OR ((integrative NEAR/4 review):ti,ab) OR 'meta analy*':ti,ab OR metaanaly*:ti,ab OR ((information NEAR/3 synthesis):ti,ab) OR ((data NEAR/3 synthesis):ti,ab) OR ((data NEAR/3 extract*):ti,ab) OR medline:ti,ab OR pubmed:ti,ab OR psyclit:ti,ab OR cinahl:ti,ab OR (psycinfo:ti,ab NOT 'psycinfo database':ti,ab) OR 'web of science':ti,ab OR scopus:ti,ab OR embase:ti,ab OR 'systematic overview*':ti OR 'systemic review*':ti OR 'scoping review':ti OR 'scoping literature review':ti OR 'mapping review':ti OR 'umbrella review*':ti OR 'review of reviews':ti OR 'overview of reviews':ti OR 'meta review':ti OR 'integrative overview':ti OR 'meta synthesis':ti OR metasynthesis:ti OR 'quantitative review':ti OR 'quantitative synthesis':ti OR 'meta ethnography':ti OR 'research synthesis':ti OR 'systematic literature search':ti OR 'systematic literature research':ti OR 'evidence-based review':ti OR 'evidence synthesis':ti OR 'research overview*':ti,ab OR 'collaborative review*':ti,ab OR 'collaborative overview*':ti,ab OR 'technology	1,154,385

assessment*.ti,ab OR 'technology overview*.ti,ab OR 'technology appraisal*.ti,ab OR
hta:ti,ab OR htas:ti,ab OR 'methodological overview*.ti,ab OR 'methodologic
overview*.ti,ab OR 'methodological review*.ti,ab OR 'methodologic review*.ti,ab OR
'quantitative overview*.ti,ab) NOT ('case report'/de OR 'editorial'/it OR 'letter'/it OR
'note'/it)

Combined sets		
19.	17 AND 18	3,061
20.	20 AND [2020-2026]/py	3,058
21.	20 NOT 'conference abstract'/it	2,489
Final result		
22.		2,489

The final search result, usually found at the end of the documentation, forms the list of abstracts.

/de = Term from the Emtree controlled vocabulary; **/exp** = Includes terms found below this term in the Emtree hierarchy;
:ab = Abstract; **:kw** = Author keyword; **:ti** = Article Title; **:ti,ab** = Title or abstract; ***** = Truncation; **' '** = Quotation marks;
searches for an exact phrase; **NEAR/n** = Retrieves terms that are within "n" words of each other in either direction; **NEXT/n**
= Requests terms that are within "n" words of each other in the order specified; **dm_rh** = Disease subheading:
Rehabilitation; **:tt** = Original non-English title; **/sd** = Since date

Database: CINAHL

Interface: EBSCO

Date of search: 27 January 2026

Note: limit to systematic reviews

Search terms	Items found
Population: Post COVID-19 conditions	
1. (MH "COVID-19/RH")	518
2. TI (covid* OR coronavirus* OR "corona virus*" OR "sars cov 2" OR "2019 ncov") N3 ("after care" OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR "non specific" OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*)	7,168
3. AB (covid* OR coronavirus* OR "corona virus*" OR "sars cov 2" OR "2019 ncov") N5 ("after care" OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR longterm* OR "non specific" OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*) N5 (anxi* OR arrhythmia* OR arrhythmia* OR asthma* OR brain OR breath* OR cardiac* OR cognit* OR depress* OR dizz* OR dyspnea* OR dysrhythmia* OR fatigue OR fever* OR gustat* OR heart* OR insomnia OR kidney* OR lung* OR nausea OR neuro* OR olfact* OR pain OR palpitation* OR "postural orthostatic tachycardia syndrome" OR pots OR pneumoni* OR pulmonary OR respirat* OR sleep* OR smell* OR spinning OR symptom* OR tast* OR vertigo*)	2,182
4. (MH "Post-Acute COVID-19 Syndrome")	2,312
5. TX postcovid*	45
6. 1 OR 2 OR 3 OR 4 OR 5	9,553
7. (MH "COVID-19")	54,057
8. (MH "Coronavirus Infections")	2,392
9. TI (covid* OR coronavirus* OR "corona virus*" OR "sars cov 2" OR "2019 ncov") OR AB (covid* OR coronavirus* OR "sars cov 2" OR "2019 ncov")	154,693
10. 7 OR 8 OR 9	164,576
11. TI (persist* N5 symptom*) OR AB (persist* N5 symptom*)	7,497
12. TI ("long haul*" OR "post acute" OR "post viral" OR "post virus" OR sequela* OR sequelae*) OR AB ("long haul*" OR "post acute" OR "post viral" OR "post virus" OR sequela* OR sequelae*)	22,655
13. 11 OR 12	29,880
14. 10 AND 13	2,140
15. AB "long covid*" OR "post covid*"	2,785
16. 6 OR 14 OR 15	10,880
Study types: systematic reviews and meta-analyses	
17. (((MH "Systematic Review" OR ZT "systematic review" OR MH "Meta Analysis" OR ZT "Meta Analysis" OR (JN "Cochrane Database of Systematic Reviews")) OR (TI (systematic* N3 review*)) OR (AB (systematic* N3 review*)) OR (TI (systematic* N3 bibliographic*)) OR (AB (systematic* N3 bibliographic*)) OR (TI (systematic* N3 literature)) OR (AB (systematic* N3 literature)) OR (TI (comprehensive* N3 literature)) OR (AB (comprehensive* N3 literature)) OR (TI (comprehensive* N3 bibliographic*)) OR (AB (comprehensive* N3 bibliographic*)) OR (TI (integrative N3 review)) OR (AB (integrative N3 review)) OR (TI (meta-analy* OR metaanaly*)) OR (AB (meta-analy* OR metaanaly*)) OR (TI (information N2 synthesis)) OR (TI (data N2 synthesis)) OR (AB (information N2 synthesis)) OR (AB (data N2 synthesis)) OR (TI (data N2 extract*)) OR (AB (data N2 extract*)) OR (TI (medline OR pubmed OR psyclit OR cinahl OR (psycinfo not "psycinfo database")) OR "web of science" OR scopus OR embase)) OR (AB (medline OR pubmed OR psyclit OR cinahl OR (psycinfo not "psycinfo database")) OR "web of science" OR scopus OR embase)) OR TI ("systematic overview*" OR "systemic review*" OR "scoping review" OR "scoping literature review" OR "mapping review" OR "umbrella review*" OR ("review of reviews" OR "overview of reviews")) OR meta-review OR ("integrative overview" OR meta-synthesis OR metasynthesis OR "quantitative review" OR	361,913

"quantitative synthesis" OR meta-ethnography OR "research synthesis") OR "systematic literature search" OR "systematic literature research" OR "evidence-based review" OR "evidence synthesis") OR TI ("research overview*" OR "collaborative review*" OR "collaborative overview*" OR "technology assessment*" OR "technology overview*" OR "technology appraisal*" OR hta OR htas OR "methodological overview*" OR "methodologic overview*" OR "methodological review*" OR "methodologic review*" OR "quantitative overview*") OR AB ("research overview*" OR "collaborative review*" OR "collaborative overview*" OR "technology assessment*" OR "technology overview*" OR "technology appraisal*" OR hta OR htas OR "methodological overview*" OR "methodologic overview*" OR "methodological review*" OR "methodologic review*" OR "quantitative overview*")) NOT (MH "Case Studies" OR ZT "Commentary" OR ZT "Editorial" OR ZT "Letter"))

Combined sets:		
18.	16 AND 17	559
19.	18 AND Publication Date: 01/2020 - 01/2026	558
Final result		
20.		558

The final search result, usually found at the end of the documentation, forms the list of abstracts.

AB = Abstract; **MH** = Exact Subject Heading from CINAHL Subject Headings; **TI** = Title; * = Truncation; " " = Quotation marks; searches for an exact phrase; ? = replaces one letter; **N** = Near Operator (N) finds the words if they are a maximum of x words apart from one another, regardless of the order in which they appear; **W** = Within operator (W) finds the words if they are within x words of one another, in the order in which entered

Database: APA PsycInfo

Interface: EBSCO

Date of search: 26 January 2026

Note: limit to systematic reviews

Search terms	Items found
Population: Post COVID-19 conditions	
1. TI ((covid* OR coronavirus* OR "corona virus*" OR "sars cov 2" OR "2019 ncov") N3 ("after care" OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR "non specific" OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*)) OR SU ((covid* OR coronavirus* OR "sars cov 2" OR "2019 ncov") N3 ("after care" OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR "non specific" OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*))	2,354
2. DE "Post-COVID-19 Conditions"	622
3. TX postcovid*	17
4. 1 OR 2 OR 3	2,460
5. DE "COVID-19"	53,105
6. TI (covid* OR coronavirus* OR "corona virus*" OR "sars cov 2" OR "2019 ncov") OR AB (covid* OR coronavirus* OR "sars cov 2" OR "2019 ncov")	65,819
7. 5 OR 6	67,103
8. TI (persist* N5 symptom*) OR AB (persist* N5 symptom*)	6,369
9. TI ("long haul*" OR "post acute" OR "post viral" OR "post virus" OR sequela* OR sequelae*) OR AB ("long haul*" OR "post acute" OR "post viral" OR "post virus" OR sequela* OR sequelae*)	13,680
10. 8 OR 9	19,829
11. S7 AND S10	918
12. AB "long covid*" OR "post covid*"	1,595
13. S4 OR S11 OR S12	3,502
Study types: systematic reviews and meta-analyses	
14. (((DE "Meta Analysis" OR DE "Systematic Review" OR KW "health technology assessment" OR KW "Meta-analysis" OR KW "Systematic review" OR MA "Meta-Analysis" OR MA "Systematic Review" OR MA "Technology Assessment, Biomedical" OR MR "Meta Analysis" OR MR "Systematic Review") OR (TI (systematic* N3 review*)) OR (AB (systematic* N3 review*)) OR (TI (systematic* N3 bibliographic*)) OR (AB (systematic* N3 bibliographic*)) OR (TI (systematic* N3 literature)) OR (AB (systematic* N3 literature)) OR (TI (comprehensive* N3 literature)) OR (AB (comprehensive* N3 literature)) OR (TI (comprehensive* N3 bibliographic*)) OR (AB (comprehensive* N3 bibliographic*)) OR (TI (integrative N3 review)) OR (AB (integrative N3 review)) OR (TI (meta-analy* OR metaanaly*)) OR (AB (meta-analy* OR metaanaly*)) OR (TI (information N2 synthesis)) OR (TI (data N2 synthesis)) OR (AB (information N2 synthesis)) OR (AB (data N2 synthesis)) OR (TI (data N2 extract*)) OR (AB (data N2 extract*)) OR (TI (medline OR pubmed OR psyclit OR cinahl OR (psycinfo not "psycinfo database") OR "web of science" OR scopus OR embase)) OR (AB (medline OR pubmed OR psyclit OR cinahl OR (psycinfo not "psycinfo database") OR "web of science" OR scopus OR embase)) OR TI ("systematic overview*" OR "systemic review*" OR "scoping review" OR "scoping literature review" OR "mapping review" OR "umbrella review*" OR ("review of reviews" OR "overview of reviews") OR meta-review OR ("integrative overview" OR meta-synthesis OR metasynthesis OR "quantitative review" OR "quantitative synthesis" OR meta-ethnography OR "research synthesis") OR "systematic literature search" OR "systematic literature research" OR "evidence-based review" OR "evidence synthesis") OR TI ("research overview*" OR "collaborative review*" OR "collaborative overview*" OR "technology assessment*" OR "technology overview*" OR "technology appraisal*" OR hta OR htas OR "methodological overview*" OR "methodologic overview*" OR "methodological review*" OR "methodologic review*" OR "quantitative overview*") OR AB ("research overview*" OR "collaborative review*" OR "collaborative overview*" OR "technology assessment*" OR "technology overview*" OR "technology	155,971

appraisal*" OR hta OR htas OR "methodological overview*" OR "methodologic overview*" OR "methodological review*" OR "methodologic review*" OR "quantitative overview*") NOT (DE "Case Report"))

Combined sets:		
15.	<i>13 AND 14</i>	<i>194</i>
16.	<i>15 AND Publication Date: 01/2020 - 01/2026</i>	<i>193</i>
Final result		
17.		193

The final search result, usually found at the end of the documentation, forms the list of abstracts.

AB = Abstract; **DE** = Term from the thesaurus; **SU** = Searches for a part of or an entire subject heading; **TI** = Title; **TX** = All Text. Performs a keyword search of all the database's searchable fields; * = Truncation; " " = Quotation marks; searches for an exact phrase; ? = replaces one letter; **N** = Near Operator (N) finds the words if they are a maximum of x words apart from one another, regardless of the order in which they appear; **W** = Within operator (W) finds the words if they are within x words of one another, in the order in which entered

Database: Epistemonikos

Interface: <http://www.epistemonikos.org/>

Date of search: 26 January 2026

Note: limit to systematic reviews

Search terms	Items found
Population: Post COVID-19 conditions	
1. title:(covid* OR coronavirus* OR "corona virus*" OR "sars cov 2" OR "2019 ncov") AND title:("after care" OR aftercare OR chronic* OR continuing OR convalesc* OR enduring OR late OR lingering OR long* OR longterm* OR "non specific" OR nonspecific OR permanent OR persist* OR post* OR prolong* OR rehab* OR recover* OR recurr* OR relaps* OR remaining OR residing OR residual OR sequela* OR sequelae* OR telerehab*)	31,317
2. (title:("long covid" OR postcovid* OR "post covid*" OR "post acute covid*" OR "post discharge covid*") OR abstract:("long covid" OR postcovid* OR "post covid*" OR "post acute covid*" OR "post discharge covid*"))	5,659
3. 1 OR 2	32,601
4. 3 AND Publication type: Systematic Review	1,566
5. 4 AND Publication year: 2020–2026	1,562
Final result	
6.	1,562

The final search result, usually found at the end of the documentation, forms the list of abstracts.

Database: LOVE Platform for COVID-19

Interface: <https://app.iloveevidence.com/topics>

Date of search: 26 January 2026

Note: limit to systematic reviews

Search terms	Items found
Population: Post COVID-19 conditions	
1. People with post-COVID-19 conditions - all types of questions	3,043
2. 1 AND Limit to Systematic reviews	138
Final result	
3.	138

The final search result, usually found at the end of the documentation, forms the list of abstracts.

Database: International HTA Database

Interface: <https://database.inahta.org/>

Date of search: 26 January 2026

Note: search for HTA reports

Search terms	Items found
Population: Post COVID-19 conditions	
1. (covid* OR coronavirus* OR "corona virus*" OR "postcovid" OR "sars cov 2" OR "2019 ncov")[Title] OR (covid* OR coronavirus* OR "corona virus*" OR "postcovid" OR "sars cov 2" OR "2019 ncov")[mh] OR (covid* OR coronavirus* OR "corona virus*" OR "postcovid" OR "sars cov 2" OR "2019 ncov")[Keywords]	276
2. 1 AND Year: 2020 to 2026	267
Final result	
3.	267

The final search result, usually found at the end of the documentation, forms the list of abstracts.