

Supplementary File S2:

Search strategies for additional databases

CINAHL (EBSCOhost)

Search conducted on 6 May 2022

N=1

We extracted the RCT string and its related information from page 40 of the Technical Supplement to Chapter 4: Searching for and selecting studies of the Cochrane Handbook for Systematic Reviews of Interventions Version 6.3. The formal RCT string for CINAHL has been developed for CINAHL Plus, which we did not have access to and adapted for CINAHL.

(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 TI (randomised OR randomized) OR AB (random*) OR TI (trial) OR (MH (sample size) AND AB (assigned OR allocated OR control)) OR MH (placebos) OR PT (randomized controlled trial) OR AB (CONTROL W5 GROUP) OR MH (CROSSOVER DESIGN) OR MH (COMPARATIVE STUDIES) OR AB (CLUSTER W3 RCT)) NOT ((MH ANIMALS+ NOT MH HUMAN) OR (MH (ANIMAL STUDIES) NOT MH (HUMAN))) OR (TI (ANIMAL MODEL) NOT MH (HUMAN))) The CINAHL Plus RCT filter search was validated and published in February 2019 by Glanville et al.[42]. The filter was adapted as an API direct feed by Metaxis in October 2019 and results were screened for inclusion in CENTRAL by Cochrane's RCT Classifier and by Cochrane Crowd.

S1	MH randomized controlled trials OR double-blind studies OR single-blind studies OR random assignment OR pretest-posttest design OR cluster sample	243,561
S2	TI (randomised OR randomized) OR AB random* OR TI trial	455,216
S3	MH sample size AND AB (assigned OR allocated OR control)	4,333
S4	MH placebos OR PT randomized controlled trial	149,926
S5	AB CONTROL W5 GROUP	133,057
S6	MH CROSSOVER DESIGN OR MH COMPARATIVE STUDIES	451,505
S7	AB CLUSTER W3 RCT	452
S8	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7	951,696
S9	MH ANIMALS+ NOT MH HUMAN	90,912
S10	MH ANIMAL STUDIES NOT MH HUMAN	121,721

S11	TI ANIMAL MODEL NOT MH HUMAN	3,184
S12	S9 OR S10 OR S11	204,521
S13	S8 NOT S12	906,320
S14	Recurrent aphthous ulceration OR Recurrent aphthous ulcer OR Recurrent aphthous ulcers OR Recurrent aphthous stomatitis	745
S15	MH stomatitis aphthous	0
S16	MJ stomatitis aphthous	613
S17	canker sores OR canker sore OR periadenitis mucosa necrotica recurrens OR aphthous ulcer OR aphthous ulcers OR aphthous ulceration OR aphthous ulcerations OR aphthous stomatitis OR aphthous stomatitides OR mouth ulcer OR mouth ulcers OR mouth ulceration OR mouth ulcerations OR oral ulcers OR oral ulcer OR oral ulceration OR oral ulcerations OR Sutton's OR Suttons OR Sutton OR Behcets OR Behcet's OR Behcet	8,122
S18	S14 OR S16 OR S17	8,122
S19	MH propolis	168
S20	propolis OR propolin OR bee glue OR bee bread OR cera alba OR galangin OR nivcrisol OR Apitherapy	946
S21	S19 OR S20	946
S22	S13 AND S18 AND S21	1

Cochrane Central Register of Controlled Trial (CENTRAL)

Search conducted 6 May 2022

N=17

#1	"Recurrent aphthous ulceration" OR "Recurrent aphthous ulcer" OR "Recurrent aphthous ulcers" OR "Recurrent aphthous stomatitis"	399
#2	MeSH descriptor: [Stomatitis Aphthous] explode all trees	245
#3	"canker sores" OR "canker sore" OR "peradenitis mucosa necrotica recurrens" OR "aphthous ulcer" OR "aphthous ulcers" OR "aphthous ulceration" OR "aphthous ulcerations" OR "aphthous stomatitis" OR "aphthous stomatitides" OR "mouth ulcer" OR "mouth ulcers" OR "mouth ulceration" OR "mouth ulcerations" OR "oral ulcers" OR "oral ulcer" OR "oral ulceration" OR "oral ulcerations" OR Sutton's OR Suttons OR Sutton OR Behcets OR Behcet's OR Behcet	3388
#4	#1 OR #2 OR #3	3404
#5	MeSH descriptor: [Propolis] explode all trees	126
#6	propolis OR propolin OR "bee glue" OR "bee bread" OR "cera alba" OR galangin OR nivcrisol OR Apitherapy	521
#7	#5 OR #6	521
#8	#4 AND #7 in Trials	17

clinicaltrials.gov (<https://clinicaltrials.gov/>)

N=1

Search conducted on 6 May 2022

propolis OR propolin OR "bee glue" OR "bee bread" OR "cera alba" OR galangin OR nivcrisol

AND

"aphthous ulcers" OR "aphthous stomatitis" OR "canker sores" OR "peradenitis mucosa necrotica recurrens" OR "aphthous stomatitides" OR Behcet

propolis OR propolin OR "bee glue" OR "bee bread" OR "cera alba" OR galangin OR nivcrisol OR Apitherapy |
Interventional Studies | "aphthous ulcers" OR "aphthous stomatitis" OR "canker sores" OR "peradenitis mucosa necrotica recurrens" OR "aphthous stomatitides" OR Behcet

Applied Filters: ☒ Interventional

WHO International Clinical Trials Registry Platform (<https://trialsearch.who.int/>)

N=1

Search conducted on 6 May 2022

"aphthous ulcers" OR "aphthous stomatitis" OR "canker sores" OR "peradenitis mucosa necrotica recurrens" OR "aphthous stomatitides" OR Behcet in the Condition


AND


propolis OR propolin OR "bee glue" OR "bee bread" OR "cera alba" OR galangin OR nivcrisol in the Intervention

Recruitment status is ALL

← → ↻ trialsearch.who.int/AdvSearch.aspx

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Fields can be left blank. Click on the field name hyperlink for an explanation of each search field

Look for trials with the exact phrase or contains

AND

AND

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☐ Search for [clinical trials in children](#)

in the [Title](#)

in the [Condition](#)

in the [Intervention](#)

☐ Without synonyms

☐ Without synonyms

Recruitment status is

Primary sponsor is or contains

Secondary ID is or contains

Countries of recruitment are

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Clear

← → ↻ trialsearch.who.int/AdvSearch.aspx

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Back to Search 1 records for 1 trials found!

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1

Recruitment status	Prospective Registration	Main ID	Public Title	Date of Registration	Results available
Not Recruiting	No	IRCT2013072214101N1	The affect of bees propolis in reducing the aphthous ulcers	2013-10-15	

1

Disclaimer: Trials posted on this search portal are not endorsed by WHO, but are provided as a service to our users. In no event shall the World Health Organization be liable for any damages arising from the use of the information linked to in this section. None of the information obtained through use of the search portal should in any way be used in clinical care without consulting a physician or licensed health professional. WHO is not responsible for the accuracy, completeness and/or use made of the content displayed for any trial record.

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Search conducted on 6 May 2022

propolis OR propolin OR "bee glue" OR "bee bread" OR "cera alba" OR galangin OR nivcrisol OR Apitherapy in
Anywhere

AND

"canker sores" OR "canker sore" OR "periadenitis mucosa necrotica recurrens" OR "aphthous ulcer" OR "aphthous
ulcers" OR "aphthous ulceration" OR "aphthous ulcerations" OR "aphthous stomatitis" OR "aphthous stomatitides" OR
"mouth ulcer" OR "mouth ulcers" OR "mouth ulceration" OR "mouth ulcerations" OR "oral ulcers" OR "oral ulcer" OR
"oral ulceration" OR "oral ulcerations" OR Sutton's OR Suttons OR Sutton OR Behcets OR Behcet's OR Behcet OR
"Recurrent aphthous ulceration" OR "Recurrent aphthous ulcer" OR "Recurrent aphthous ulcers" OR "Recurrent
aphthous stomatitis" in Anywhere

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propolis OR propolin OR "bee glue" OR "bee bread" OR "cera alba" OR galangin OR nivcrisol OR Apitherapy in Anywhere

AND "canker sores" OR "canker sore" OR "periadenitis mucosa necrotica recurrens" OR "aphthous ulcer" OR "aphthous ulcers" OR "aphthous ulceration" OR "aphthous ulcerations" OR "aphthous stomatitis" OR "aphthous stomatitides" OR "mouth ulcer" OR "mouth ulcers" OR "mouth ulceration" OR "mouth ulcerations" OR "oral ulcers" OR "oral ulcer" OR "oral ulceration" OR "oral ulcerations" OR Sutton's OR Suttons OR Sutton OR Behcets OR Behcet's OR Behcet OR "Recurrent aphthous ulceration" OR "Recurrent aphthous ulcer" OR "Recurrent aphthous ulcers" OR "Recurrent aphthous stomatitis" where

[Add a row](#)

Publication date: All dates

Search conducted on 08 May 2022

S1	randomized controlled trials OR double-blind studies OR single-blind studies OR random assignment OR pretest-posttest design OR cluster sample	10,619
S2	TI (randomised OR randomized) OR AB random* OR TI trial	34,440
S3	sample size AND AB (assigned OR allocated OR control)	848
S4	placebos OR PT randomized controlled trial	3,403
S5	AB CONTROL W5 GROUP	20,428
S6	CROSSOVER DESIGN OR MH COMPARATIVE STUDIES	7,960
S7	AB CLUSTER W3 RCT	19
S8	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7	55,227
S9	ANIMALS+ NOT MH HUMAN	0
S10	ANIMAL STUDIES NOT MH HUMAN	3,988
S11	TI ANIMAL MODEL NOT MH HUMAN	228
S12	S9 OR S10 OR S11	4,136
S13	S8 NOT S12	53,659
S14	Recurrent aphthous ulceration OR Recurrent aphthous ulcer OR Recurrent aphthous ulcers OR Recurrent aphthous stomatitis	608
S15	stomatitis aphthous	519
S16	stomatitis aphthous	519
S17	canker sores OR canker sore OR periadenitis mucosa necrotica recurrens OR aphthous ulcer OR aphthous ulcers OR aphthous ulceration OR aphthous ulcerations OR aphthous stomatitis OR aphthous stomatitides OR mouth ulcer OR mouth ulcers OR mouth ulceration OR mouth ulcerations OR oral ulcers OR oral ulcer OR oral ulceration OR oral ulcerations OR Sutton's OR Suttons OR Sutton OR Behcets OR Behcet's OR Behcet	1,736
S18	S14 OR S16 OR S17	1,736
S19	propolis	292
S20	propolis OR propolin OR bee glue OR bee bread OR cera alba OR galangin OR nivcrisol OR Apitherapy	308
S21	S19 OR S20	308
S22	S13 AND S18 AND S21	2

Embase (Ovid)

Search conducted on 12 May 2022

N=48

Embase 1947-Present, updated daily

1	exp propolis/	6002
2	(propolis or propolin or "bee glue" or "bee bread" or "cera alba" or galangin or nivcrisol or Apitherapy).mp.	8483
3	1 or 2	8483
4	exp aphthous stomatitis/	5825

5	("Recurrent aphthous ulceration" or "Recurrent aphthous ulcer" or "Recurrent aphthous ulcers" or "Recurrent aphthous stomatitis").mp.	1775
6	("canker sores" or "canker sore" or "periadenitis mucosa necrotica recurrens" or "aphthous ulcer" or "aphthous ulcers" or "aphthous ulceration" or "aphthous ulcerations" or "aphthous stomatitis" or "aphthous stomatitides" or "mouth ulcer" or "mouth ulcers" or "mouth ulceration" or "mouth ulcerations" or "oral ulcers" or "oral ulcer" or "oral ulceration" or "oral ulcerations" or Sutton's or Suttons or Sutton or Behcets or Behcet's or Behcet).mp.	40709
7	4 or 5 or 6	40709
8	3 and 7	48