



Cochrane
Library

**Trusted evidence.
Informed decisions.
Better health.**

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13 May 2019

POLLS: INSTITUTION AND PREVIOUS
ATTENDANCE

DISCLAIMERS

- I am a member of the Cochrane Collaboration, have attended Colloquia since 2011, and am an author on one Cochrane Review, but receive no pay from Cochrane or Wiley, except...
- In 2012 I received a small honorarium for assisting with Cochrane Systematic Review training in Halifax

LEARNING OBJECTIVES

- Understand when advanced search approaches in the Cochrane Library are appropriate
- Apply advanced search techniques in the Cochrane Library
- Identify sources for complex search strings to reuse

ADVANCED SEARCHING AND SYSTEMATIC REVIEWS

Brief intro

SYSTEMATIC REVIEWS

- Identify, appraise and synthesize
- All the empirical evidence that meets pre-specified eligibility criteria
- Answer a specific research question.
- Use explicit, systematic methods
- Aimed at minimizing bias & to produce more reliable findings
- Goal: inform decision making

Traditional reviews:


- Methods to find and select evidence may not be specified
- Purpose is to generally describe what is known on a topic
- May address a broad question such as “What pharmaceutical options help reduce nausea after chemotherapy?”


SYSTEMATIC REVIEWS


“All the empirical evidence ...explicit, systematic methods... minimizing bias & to produce more reliable findings” = comprehensive, structured search with clear documentation for transparency and reproducibility


Running your search(es)

Concept 1


Search #1 = 


Search #2 = 


Search #3 = 


Search #4 = 

Concept 2

Search #6 = 

Search #7 = 

Search #8 = 

Search #9 = 

Search #5 = #1 OR #2 OR #3 OR #4



Search #10 = #6 OR #7 OR #8 OR #9



Search #11 = #5 AND #10



Results



PUBMED SEARCH STRATEGY

	Concept 1	AND	Concept 2	AND	Concept 3	AND
	"Vocal Cords"[Mesh]		"Anesthesia, General"[Mesh]			
	"Larynx"[Mesh]		"Intubation, <u>Intratracheal</u> "[Mesh]			
OR						
OR			"Laryngeal Masks"[Mesh]			
OR	"Vocal cord" [tw]		Intubat*			
OR	"vocal cords" [tw]					
OR	"voice box" [tw]					
OR						
OR						

Synonyms

DIFFERENT DATABASES =
DIFFERENT SUBJECT HEADINGS

Database	Subject Headings
MEDLINE/PubMed	MeSH (Medical Subject Headings)
EMBASE	EMTREE
CINAHL	CINAHL Headings
Cochrane Library	MeSH
PsycINFO	Thesaurus of Psychological Index Terms
Scopus, Web of Science	N/A

POLL: PICO

Are you familiar with the PICO format for structuring clinical questions?

What does the P represent?

FORMULATING A SPECIFIC QUESTION

Patient or **P**roblem of interest

Intervention (e.g. treatment, test, exposure, or prognostic factor)

Comparison, if appropriate

Outcome(s) of interest



Type of study or **T**ime factor

ADVANCED SEARCHING IN THE COCHRANE LIBRARY

Using the Search Manager

Advanced Search

Please note that the Advanced Search is optimised for English search terms. Certain features, such as search operators and MeSH terms, are only available in English.

- Search
- Search manager**
- Medical terms (MeSH)

[Save this search](#) [View saved searches](#) [Search help](#)

						Print	
<input type="checkbox"/>	<input type="checkbox"/>	#1	(atopic dermatitis):ti,ab,kw	S ▼	Limits	3884	
<input type="checkbox"/>	<input type="checkbox"/>	#2	("atopic dermatitis"):ti,ab,kw	S ▼	Limits	3559	
<input type="checkbox"/>	<input type="checkbox"/>	#3	MeSH descriptor: [Dermatitis, Atopic] explode all trees	MeSH ▼		1585	
<input type="checkbox"/>	<input type="checkbox"/>	#4	#2 or #3		Limits	3829	
<input type="checkbox"/>	<input type="checkbox"/>	#5	#1 or #2 or #3		Limits	3884	
<input type="checkbox"/>	<input type="checkbox"/>	#6	Type a search term or use the S or MeSH buttons to compose	S ▼	MeSH ▼	Limits	N/A

[Clear all](#)

Highlight orphan lines

Save this search ▾

View saved searches

? Search help

View fewer lines

Print

	+								
-	+	#1	(atopic dermatitis):ti,ab,kw	S ▾	Limits	3884			
-	+	#2	("atopic dermatitis"):ti,ab,kw	S ▾	Limits	3559			
-	+	#3	MeSH descriptor: [Dermatitis, Atopic] explode all trees	MeSH ▾	Limits	1585			
-	+	#4	#2 or #3	Limits	Limits	3829			
-	+	#5	#1 or #2 or #3	Limits	Limits	3884			
-	+	#6	(<u>atopic</u> near/2 <u>dermatit*</u>):ti,ab,kw	Limits	Limits	3837			
-	+	#7	#3 or #6	Limits	Limits	3837			
-	+	#8	#1 not #6	Limits	Limits	48			
-	+	#9	Type a search term or use the S or MeSH buttons to compose	S ▾	MeSH ▾	Limits	N/A		



✕ Clear all

 Highlight orphan lines

Search limits



Content type

- Cochrane Reviews
- Cochrane Protocols
- Trials
- Clinical Answers
- Editorials
- Special collections

Cochrane Library publication date

- All dates
- The last month
- The last 3 months
- The last 6 months
- The last 9 months
- The last year
- The last 2 years
- Between and and

CENTRAL Trials only

Original publication year




- All years
- Between and

Search word variations

(e.g. "paid" will find pay, pays, paying, payed)

Cochrane Group

Choose Cochrane Group 

 Clear all

Clear

Apply limits

POLL: PARKER REVIEW

Exercise: Use the Search Manager and the S builder to search *Parker* in the author field. Use the limits feature to limit to Cochrane reviews and sort the results by most recent.

SEARCHING COCHRANE LIBRARY

Building Complex searches

Cochrane Database of Systematic Reviews

Supplemental perioperative intravenous crystalloids for postoperative nausea and vomiting

Cochrane Systematic Review - Intervention | Version published: 29 March 2019 [see what's new](#)[View article information](#)James K Jewer | Michael J Wong | Sally J Bird | Ashraf S Habib | Robin Parker
| [✉ Ronald B George](#)[View authors' declarations of interest](#)

Abstract

Background

Postoperative nausea and vomiting (PONV) is a common complication following general anaesthesia. It may be associated with patient dissatisfaction, increased costs of and unintended admission to hospital.

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Abstract

[Plain language summary](#)[Authors' conclusions](#)[Summary of findings](#)[Background](#)[Objectives](#)[Methods](#)[Results](#)[Discussion](#)


Appendices

[Information](#)

Cochrane (CENTRAL; 2018, Issue 7)

Search ID	Search Hits
#1	intravenous* or iv or i.v.
#2	(fluid* or hydrat* or rehydrat* or crystalloid*):ab,ti,kw
#3	((ringer* or isotonic or salt) near/2 solution*):ab,ti,kw
#4	#2 or #3
#5	((("post operative" or postoperati* or perioperative or "peri-operative" or surger* or surgical* or postsurg* or intraoperative or aneshe* or anaeshe* or postaneshe* or postanaeshe*) and (nause* or vomit* or emesis or emeses or emet* or queasiness or queasy)):ti,ab,kw
#6	ponv
#7	#6 or #5
#8	#7 and #4 and #1

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Print



Share



Email

Abstract

Plain language summary

Authors' conclusions

Summary of findings

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Authors

POLL: PONV SEARCH CONCEPTS

What are the concepts I searched in Cochrane to address the review question: Does supplemental intravenous crystalloid administration prevent PONV in patients undergoing surgical procedures under general anaesthesia?

PRACTICE!

Try searching Cannabis and pain using the Search Manager

- Using MeSH terms
- Using the S search builder
- Typing into the Search Manager and combining lines
- Copying in search lines from a related review appendix (be careful if the syntax is different!)

#1	(cannabi*):ti,ab,kw AND (pain):ti,ab,kw (Word variations have been searched)	S ▾	▼	282	
	(Word variations have been searched)				
#2	(cannabi*):ti,ab,kw AND (pain*):ti,ab,kw	S ▾	▼	283	
#3	("Cannabis"):ti,ab,kw AND (pain):ti,ab,kw	S ▾	▼	158	
#4	(cannabi*):ti,ab,kw AND (pain*):ti	S ▾	▼	128	
#5	MeSH descriptor: [Cannabis] explode all trees	MeSH ▾		281	
#6	<u>cannabi*:</u> ti,ab,kw		▼	2324	
#7	#5 OR #6		▼	2324	
#8	Manually type a search term here or click on the S (Search Wizard) or MeSH button to compose	S ▾	MeSH ▾	▼	N/A

Clear all

Highlight orphan lines

POLL: CANNABIS AND PAIN

If you copy in a modified search line from the Cannabinoids for Neuropathic Pain review after adapting the syntax to Cochrane Library, how many results do you get for the following terms:
(cannabi* or hash* or hemp or marijuana or marihuana or ganka or bhang)

SAVING SEARCHES AND RESULTS

Personal accounts!




Advanced Search

Please note that the Advanced Search is optimised for English search terms. Certain features, such as search operators and MeSH terms, are only available in English.

Search

Search manager

Medical terms (MeSH)

 Save this search ▾ View saved searches Search help

Print

+

-

+



#1

S ▾

MeSH ▾

Limits

N/A

 Clear all Highlight orphan lines Save this search ▾ View saved searches Search help

Saved searches



Order by date - Newest first ▼

1 PCNLandTXA

with Antifibrinolytic Agents MeSH added

Last saved: 07/05/2019 09:11:14

e-mail alert  Load  Append  Share  Export  Delete

2 PCNLvsRIRS

RIRS or PCNL for comprehensiveness

Last saved: 15/03/2019 12:10:21

e-mail alert  Load  Append  Share  Export  Delete

3 Ferguson Mifepristone Medical Abortion Research Project

Last saved: 11/01/2019 15:43:06

e-mail alert  Load  Append  Share  Export  Delete

4 GenderDiffSpinalSurge

Cancel

Filter your results

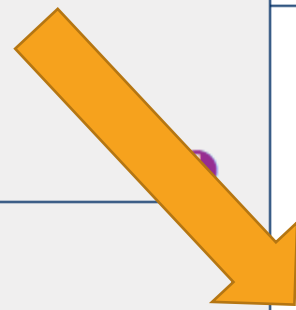
Year

Year first published

- 2019 5
- 2018 20
- 2017 26
- 2016 23
- 2015 15

Custom Range:

to



223 Trials matching on "#12 - (cannabis):ti,ab,kw AND (pain*):ti,ab,kw"

Cochrane Central Register of Controlled Trials

Issue 5 of 12, May 2019

Deselect all (223)

Order by Relevancy ▾

Results per page 25 ▾

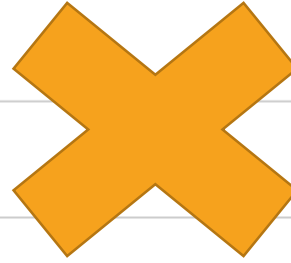
- 1 **Cannabis and Cannabinoids**
Medical letter on drugs and therapeutics, **2016**, 58(1500), 97-98 | added to CENTRAL: 30 September 2016 | 2016 Issue 9
- 2 **Analgesic Efficacy of Smoked Cannabis**
NCT00241579
Https://clinicaltrials.gov/show/nct00241579, **2005** | added to CENTRAL: 31 May 2018 | 2018 Issue 5

Export selected citation(s)



223 citation(s) selected for download

Save citation to:  CiteULike  Mendeley  RefWorks



Select the format you require from the list below

Plain text | RIS (EndNote) | RIS (Reference Manager) | RIS (ProCite) | BibteX

Preview of format

```
ID: CN-01177123
TI: Cannabis and Cannabinoids
SO: Medical letter on drugs and therapeutics
YR: 2016
VL: 58
NO: 1500
PG: 97-98
PM: PUBMED 27466748
XR: EMBASE 611510457
DT: Journal Article
```



Include abstract

Download



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Library

**Trusted evidence.
Informed decisions.
Better health.**

W.K. Kellogg Health
Sciences Library,
Dalhousie Libraries

Kellogg@dal.ca

Questions?