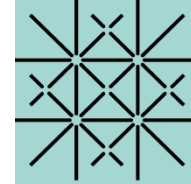


Swiss TPH



Swiss Tropical and Public Health Institute
Schweizerisches Tropen- und Public Health-Institut
Institut Tropical et de Santé Publique Suisse

Associated Institute of the University of Basel



Universität
Basel

Universitätsbibliothek

Literature Searching in PubMed - Advanced Course

Jacqueline Huber, MSc | MAS Academic Librarian

Swiss TPH Library

jacqueline.huber@swisstph.ch

11th November 2021


Overview

Short repetition of “*Basics in Literature searching*”



PubMed Live (*some slides on theory*)



- What do I find where?
- Understanding free-text search
- Search for fixed word sequences (*Phrasing*)
- Search in specific fields only (*search fields with [...]*)
- Root term search (*truncation*)
- Using MeSH database (with short exercise) 
- Boolean Operator NOT
- Reduce / expand hits (precision vs. sensitivity)

Exercises



Aims and search methods

	Daily hospital routine	Literature search, master thesis	Systematic Review
Requirement	Fast, find specific answers	extensive, well built/solid background research	Reproducible, systematic and sensitive search
Ex. Resources	<ul style="list-style-type: none"> – UpToDate – PubMed Clinical Queries 	<ul style="list-style-type: none"> – Google Scholar – PubMed/Embase – Web of Science/Scopus 	<ul style="list-style-type: none"> – PubMed/Embase/Cochrane Library – Web of Science/Scopus – Grey Literature – Complementing search methods

<p>Ex. Search input PubMed</p> <p>Heart failure Spironolactone Mortality</p>	<p>Heart failure AND Spironolactone AND (Mortality OR Death)</p> <p>vs</p> <p>(Heart failure[tiab] OR Cardiac Failure[tiab] OR Heart Decompensation[tiab] OR "Heart Failure"[Mesh]) AND (Spironolactone[tiab] OR Aldactone[tiab] OR "Spironolactone"[Mesh]) AND (mortality[tiab] OR death[tiab] OR died[tiab] OR "Mortality"[Mesh])</p>	<p>(Heart failure[tiab] OR Cardiac Failure[tiab] OR Myocardial Failure[tiab] OR Heart Decompensation[tiab] OR "Heart Failure"[Mesh]) AND (Spironolactone[tiab] OR Aldactone[tiab] OR "Spironolactone"[Mesh]) AND (death*[tiab] OR died[tiab] OR mortal*[tiab] OR survival*[tiab]) AND (systematic[sb] OR (randomized controlled trial[pt] OR controlled clinical trial[pt] OR randomized[tiab] OR placebo[tiab] OR "clinical trials as topic"[MeSH Terms:noexp] OR randomly[tiab] OR trial[ti] NOT ("animals"[MeSH Terms] NOT "humans"[MeSH Terms])))</p>
--	--	---

Basic course topic

Today's topic

Let information specialists advise you

Formulating the question precisely with PICO(S)

Population:

Intervention:

Control:

Outcome:

Study Design: e.g. randomized controlled trials (RCTs) or systematic reviews (SR) with / without meta-analysis

- In addition to PICO there are other systems depending on the context/setting, e.g. PECO, SPIDER, SPICE, CLIP, ECLIPSE, etc.
→ <https://libguides.city.ac.uk/c.php?g=663952&p=4696473>

Example PICO(S) as basis for a search

Comparison of the effects of treating depression with St. John's wort or serotonin reuptake inhibitors on symptom severity –
Search for RCTs

Search concept	Possible search terms (English)
1) P opulation	
2) I ntervention	
3) C ontrol	
4) O utcome	
5) S tudy Design	

Example PICO(S) as basis for a search

Comparison of the effects of treating depression with St. John's wort or serotonin reuptake inhibitors on symptom severity –
Search for RCTs

Search concept	Possible search terms (English)		
1) P opulation	depression	depressive disorder	melancholia
2) I ntervention	hypericum	St. John's wort	...
3) C ontrol	serotonin uptake inhibitors	selective serotonin re-uptake inhibitors	SSRI
4) O utcome	(Intentionally left out for now in the search - reporting bias in abstracts!)		
5) S tudy Design	RCTs		

Example for a PE(C)O Question

Population: Teenager

Exposure: advertising tobacco products

(Control: no advertising)

Outcome: smoking prevalence ↑

PE(C)O question:

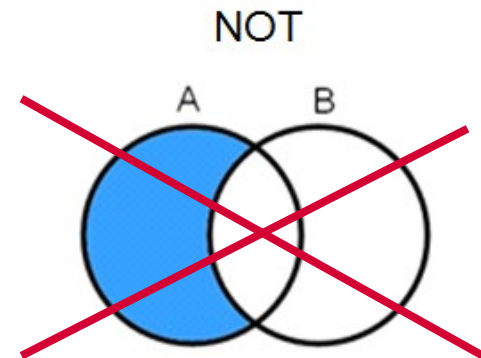
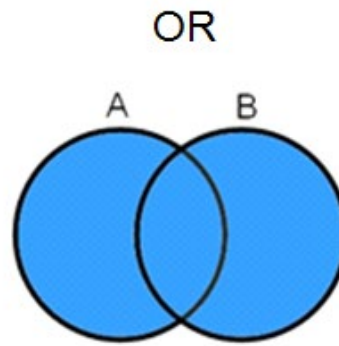
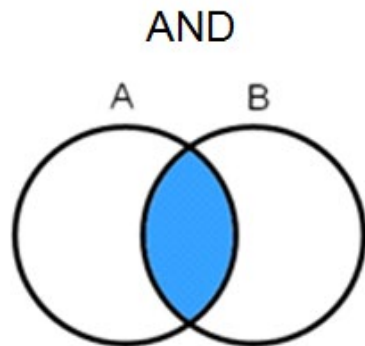
Does advertising tobacco products increase smoking prevalence in teenagers?

Boolean operators

AND = both search terms occur

OR = at least one of the two search terms occurs

NOT = without this search term



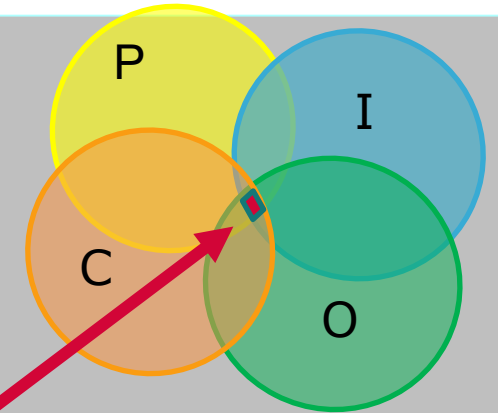
Attention: 'NOT' usually leads to unwanted exclusions. Best to contact an information specialist

Boolean operators: Combining the PICO aspects

P AND I AND C AND O

or with synonyms:

(Population 1 OR Population 2 OR ...) AND
(Intervention 1 OR Intervention 2 OR ...) AND
(Control 1 OR Control 2 OR ...) AND
(Outcome 1 OR Outcome 2 OR ...)



Intersection = final search results

- Note:** Not all aspects of the PICO question need to be included in a search.
- Initially only search for a few and clearly describable aspects (e.g. drugs)
 - Outcomes often not mentioned in the abstract. Therefore omit them if possible

BUT: Unlike in PICO, the outcome is almost always used in the search terms with the PE(C)O framework.

Databases at a glance: PubMed for clinical medicine and biomedicine

	Clinical medicine	Biomedicine	Biology	Pharmacy Pharmacology	Psychology Psychiatry	Health Sciences	Nursing, Health professions
PubMed	✗	✗					
Embase							
Biosis Previews							
Cochrane Library							
CINAHL							
PsycINFO							
Scopus							
Web of Science							


Adapted table by Martina Gosteli

PubMed

- **Public** access to **Medline** database
- Most comprehensive medical search interface
- Fundamental redesign in 2020 (New PubMed)
- Publisher: US National Library of Medicine (NLM)
- Daily updates
- Annually ~1 Mio new citations
- **Search in full text or download of full text not possible! (abstracts freely accessible)**



PubMed Central (PMC)

- Free archive for full-text biomedical and life sciences journal articles
- If available in PMC → Full text link in PubMed 
- Contains more than 5 million full-text records
- Full text search
- Publisher: NLM's National Center for Biotechnology Information (NCBI)
- More information:
<https://www.ncbi.nlm.nih.gov/pmc/about/intro/>



PubMed: Useful Links

PubMed access via Uni Basel

<https://pubmed.ncbi.nlm.nih.gov/?otool=unibaslib>

PubMed® Online Training:

<https://learn.nlm.nih.gov/rest/training-packets/T0042010P.html>

Youtube Tutorials

<https://www.youtube.com/watch?v=uyF8uQY9wys&list=PL7dF9e2qSW0YkxmDTsUG6p4hJjYOPT0Uj>

PubMed User Guide

<https://pubmed.ncbi.nlm.nih.gov/help/>

Training courses at the University Medical Library

<https://ub.unibas.ch/en/locations/university-medical-library>

PubMed Live! What do I find where?

II

Live demonstration in the course

Documented by screenshots in the handout (appendix)

Example

Comparison of the effects of treating depression with St. John's wort or serotonin reuptake inhibitors on symptom severity –
Search for RCTs

Search concept	Possible search terms (English)		
1) P opulation	depression	depressive disorder	melancholia
2) I ntervention	hypericum	St. John's wort	...
3) C ontrol	serotonin uptake inhibitors	selective serotonin re-uptake inhibitors	SSRI
4) O utcome	(Intentionally left out for now in the search - reporting bias in abstracts!)		
5) S tudy Design	RCTs		

Depression Hypericum SSRI

<https://pubmed.ncbi.nlm.nih.gov/?otool=unibaslib>

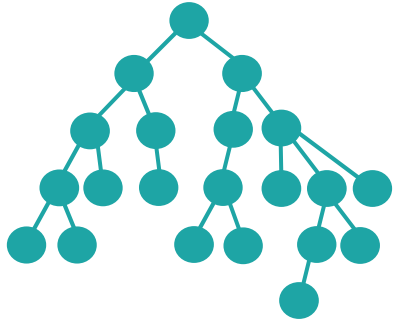
3 things that turn off automatic term mapping (ATM):

1. Phrasing
2. Search in specific fields only (field search)
3. Root term search (truncation)

Disadvantage if ATM is switched off:

- **The MeSH terms are no longer automatically searched for!**

MeSH Terms (Medical Subject Headings)



MeSH Terms (thesaurus = dictionary)

- = Controlled vocabulary of biomedical terms → gives uniformity and consistency to the indexing
- = Collection of hierarchically organized, standardized biomedical terms that describe the subject content of articles

- In Medline database, new articles are manually indexed with MeSH terms by experts
- With MeSH Terms you can find matching ("specific") articles, no matter which terms are used by the authors of the articles in title and abstract
- **Example:**
"Depressive Disorder"[Mesh] also finds articles in which the abstract only says "melancholia".

MeSH Search: Possibilities to narrow the scope

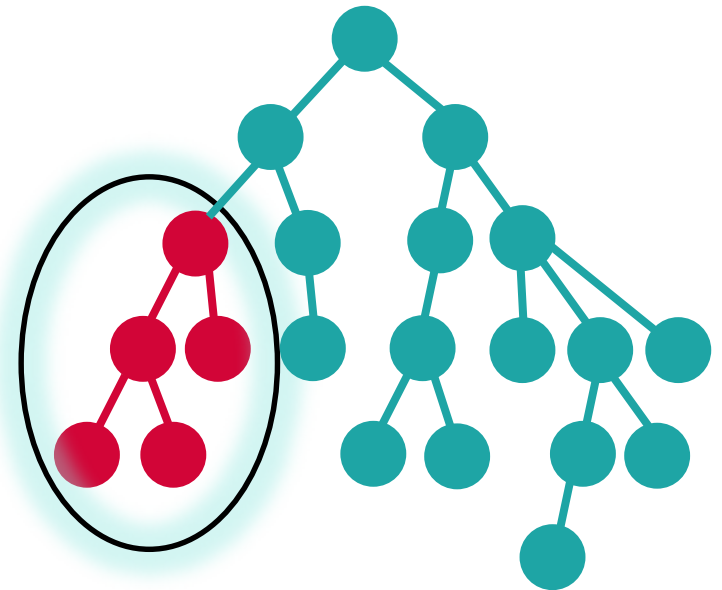
Major Topic

- Limits to articles in which MeSH term is major topic

In MeSH Database:

Restrict to MeSH Major Topic.

Thesaurus «Tree»



MeSH Search: Possibilities to narrow the scope

Subheadings

- Limits to articles about particular aspect of the heading

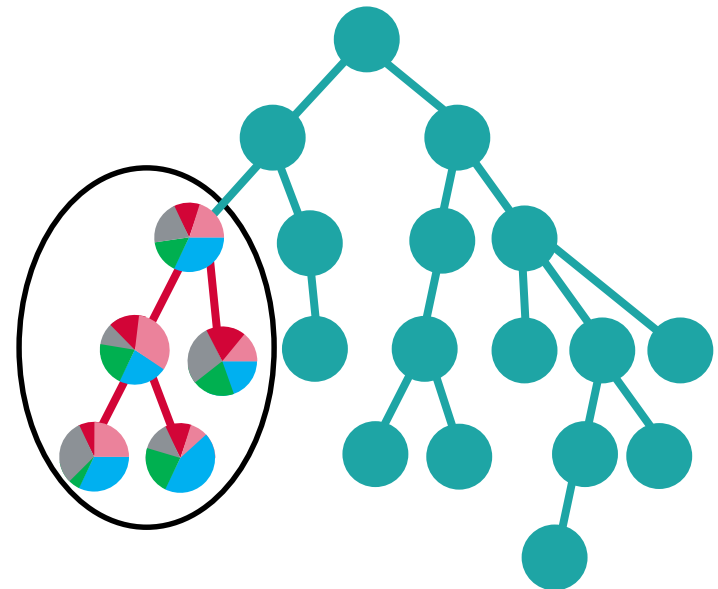
In MeSH Database:

- diagnostic imaging
- diet therapy
- drug therapy
- economics
- education

Definitions of subheadings:

https://www.nlm.nih.gov/mesh/qualifiers_scopenotes.html

Thesaurus «Tree»



Heading/Subheading1
 Heading/Subheading2
 Heading/Subheading3
 Heading/Subheading4
 Heading/Subheading5

MeSH Search: Possibilities to narrow the scope

Not «explode»

- Limits to articles indexed with exactly this subject heading (= MeSH-Term).

In MeSH Database:

Mood Disorders

Depressive Disorder

Depression, Postpartum

Depressive Disorder, Major

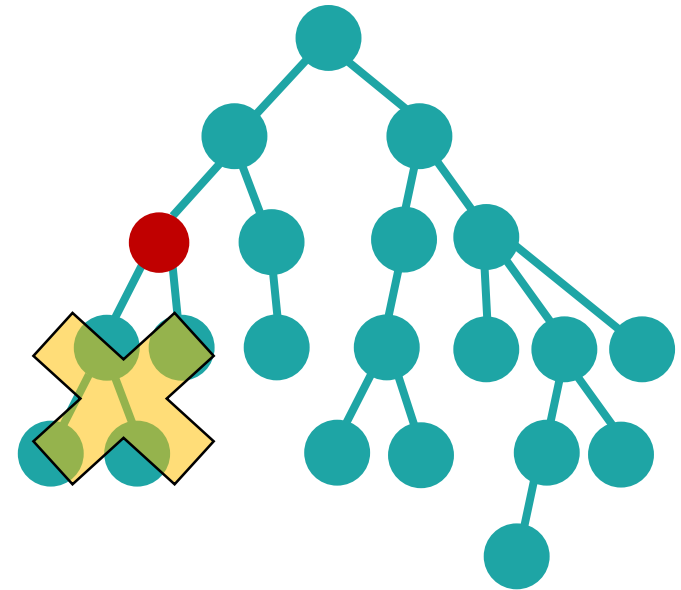
Depressive Disorder, Treatment-Resistant

Dysthymic Disorder

Premenstrual Dysphoric Disorder

Seasonal Affective Disorder

Thesaurus «Tree»



Do not include MeSH terms found below this term in the MeSH hierarchy.

Break

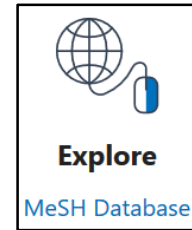


Exercise 1 (5 min)



II

1. Open PubMed
<https://pubmed.ncbi.nlm.nih.gov/?otool=unibaslib>
2. Go to the MeSH Database (link bottom right).



Task: Perform the following searches using PubMed Search Builder and note the number of hits:

- 1) "*Serotonin uptake inhibitors*"[Mesh]
- 2) Same search as 1), but now limit to articles where this MeSH term describes the *major topic*
"*Serotonin uptake inhibitors*"[Majr]
- 3) Same search as 1), but now limit to the subheading *therapeutic use*
"*Serotonin uptake inhibitors/therapeutic use*"[Mesh]
- 4) Same search as 2), but now limit to the subheading *adverse effects*
"*Serotonin uptake inhibitors/adverse effects*"[Majr]

Bonus task:

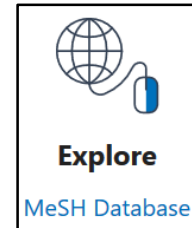
Link 1st MeSH search with text words of your choice about same topic

Exercise 1 (5 min) - Solution



II

1. Open PubMed
<https://pubmed.ncbi.nlm.nih.gov/?otool=unibaslib>
2. Go to the MeSH Database (link bottom right).



Task: Perform the following searches using PubMed Search Builder and note the number of hits: (search 11.11.2021)

- 1) "*Serotonin uptake inhibitors*"[Mesh] **20,266**
- 2) Same search as 1), but now limit to articles where this MeSH term describes the *major topic*
"*Serotonin uptake inhibitors*"[Majr] **13,534**
- 3) Same search as 1), but now limit to the subheading *therapeutic use*
"*Serotonin uptake inhibitors/therapeutic use*"[Mesh] **15,160**
- 4) Same search as 2), but now limit to the subheading *adverse effects*
"*Serotonin uptake inhibitors/adverse effects*"[Majr] **3,289**

Bonus task:

Link 1st MeSH search with text words of your choice about same topic

MeSH Search: Advantages and disadvantages

😊 Advantages

- **Thematically matching articles** are found, **regardless** of which **terms or spellings** the author of the article used
- Indexing by qualified personnel
- Useful tricks to narrow the scope
 - **Major Topic**
 - **Subheadings**
 - **«do not explode»**
- Due to the hierarchical structure, **broader and narrower terms** are easy to find

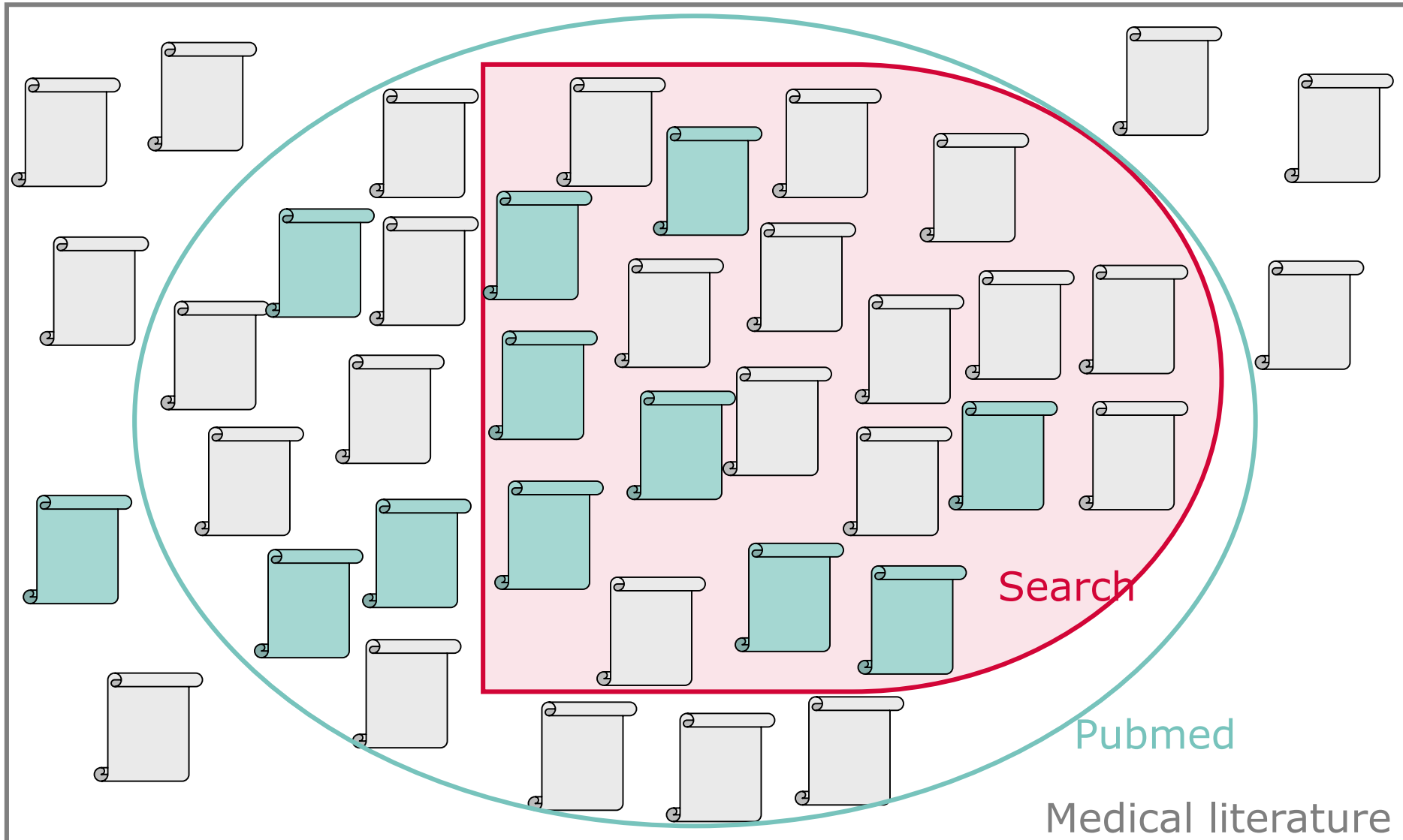
☹ Disadvantages

- Completely new articles have no subject headings yet, sometimes **not until after 3-6 months**
- **New** substances or **new** medical terms have not yet been indexed
- Non-indexed articles
- Although professionals have indexed: MeSH term allocation not always uniform

For a sensitive search combine MeSH search with text word search!

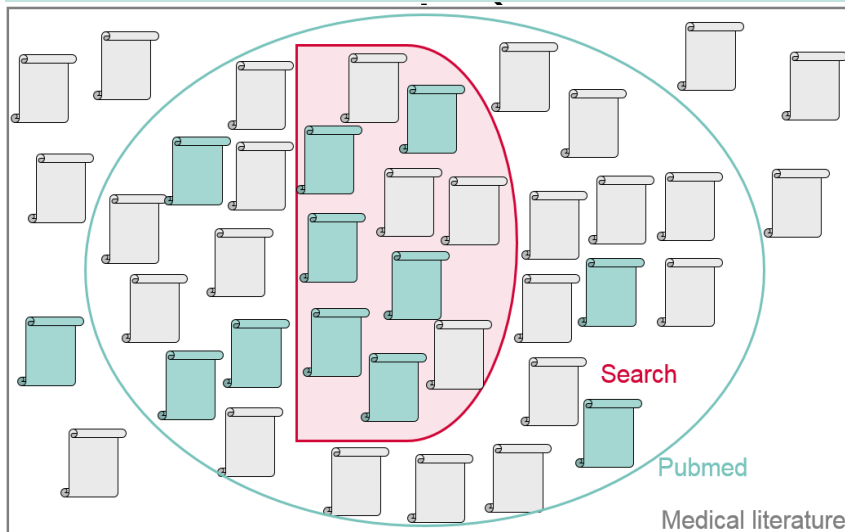
Precision vs. sensitivity

II



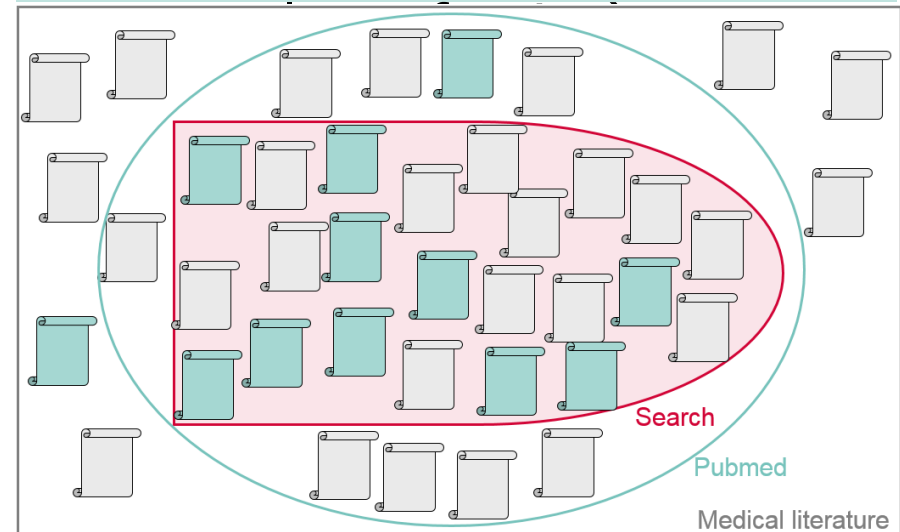
Precision vs. sensitivity

Precision: specific, narrow;
few hits (only a few of the
relevant hits found but little



e.g. for daily hospital routine,
master thesis?

Sensitivity: complete, broad;
many hits (almost all of the
relevant hits found but among



e.g. for Systematic Reviews,
Health Technology Assessments

→ Try different strategies and observe how this changes the results

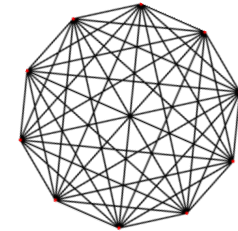
Precision vs. sensitivity

Precision
(fewer hits)



vs

Sensitivity
(more hits)



Restrict text word search to
"Title/Abstract"

Use MeSH Subheadings,
MeSH Major Topic,
MeSH no explode

Use PubMed filter
(non-indexed articles are
not found!)

Targeted, few synonyms and
word variations

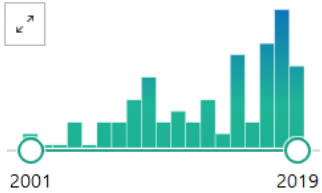
Do not restrict MeSH

Avoid filters or more specifically
use standardized filters with
text words and MeSH
(e.g. Cochrane RCT filters)

More synonyms and word
variations per search block

Filter results: integrated PubMed filters

RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

ARTICLE TYPE

- Books and Documents
- Clinical Trial
- Meta-Analysis
- Randomized Controlled Trial
- Review
- Systematic Reviews

PUBLICATION DATE

- 1 year
- 5 years
- 10 years

Additional filters

ARTICLE TYPE

SPECIES

LANGUAGE

SEX

SUBJECT

JOURNAL

AGE

<input type="checkbox"/> Address	<input type="checkbox"/> Introductory Journal Article
<input type="checkbox"/> Autobiography	<input type="checkbox"/> Journal Article
<input type="checkbox"/> Bibliography	<input type="checkbox"/> Lecture
<input type="checkbox"/> Biography	<input type="checkbox"/> Legal Case
<input type="checkbox"/> Case Reports	<input type="checkbox"/> Legislation
<input type="checkbox"/> Classical Article	<input type="checkbox"/> Letter
<input type="checkbox"/> Clinical Conference	<input type="checkbox"/> Multicenter Study
<input type="checkbox"/> Clinical Study	<input type="checkbox"/> News
<input type="checkbox"/> Clinical Trial Protocol	<input type="checkbox"/> Newspaper Article
<input type="checkbox"/> Clinical Trial, Phase I	<input type="checkbox"/> Observational Study
<input type="checkbox"/> Clinical Trial, Phase II	<input type="checkbox"/> Observational Study, Veterinary

PubMed Systematic Review Filter:

<https://pubmed.ncbi.nlm.nih.gov/help/#systematic-reviews>

Filter results: Professional search filters

- Professional search filter for RCTs (with text words and MeSH terms):
*Lefebvre et al., **Cochrane Handbook for Systematic Reviews of Interventions**. Version 6 (updated 2019):*
<https://work.cochrane.org/pubmed>
- Similar professional search filters (e.g. for "Systematic Reviews"):
https://www.nlm.nih.gov/bsd/pubmed_subsets.html



Find more synonyms and word variations and further articles: Example

Combined MeSH and text word search (59 hits, 19 with RCT filter*):

("Depressive Disorder"[Mesh] OR "Depression"[Mesh] OR depress*[tiab])

AND ("hypericum" [mesh] OR hypericum*[tiab] OR "St. John's Wort"[tiab])

AND ("Serotonin Uptake Inhibitors"[Mesh] OR Serotonin Uptake Inhibitor*[tiab])

How?



New search with more hits (147 hits, 67 with RCT filter*):

("Depressive Disorder"[Mesh] OR "Depression"[Mesh] OR depress*[tiab] OR melanchol*[tiab])

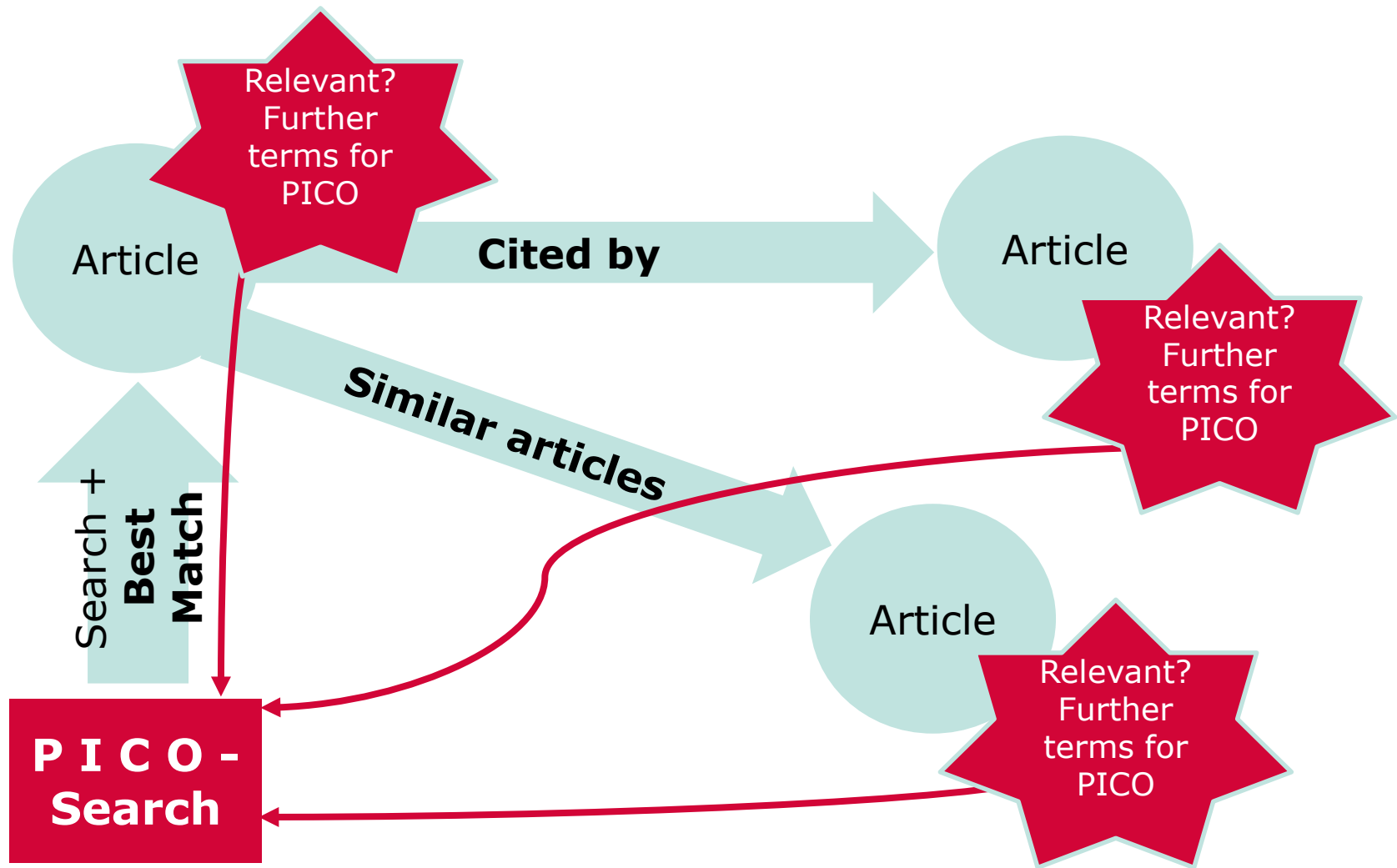
AND ("hypericum"[mesh] OR hypericum*[tiab] OR "St. John's Wort"[tiab] OR "St. Johns Wort"[tiab] OR "St Johns Wort"[tiab] OR "St. Johnswort"[tiab] OR "St John Wort"[tiab] OR "Saint Johns Wort"[tiab])

AND ("Serotonin Uptake Inhibitors"[Mesh] OR "Serotonin Uptake Inhibitors" [Pharmacological Action] OR Serotonin Uptake Inhibitor*[tiab] OR 5-Hydroxytryptamine Uptake Inhibitor*[tiab] OR 5-HT Uptake Inhibitor*[tiab] OR Serotonin Reuptake Inhibitor*[tiab] OR 5-HT Uptake Inhibitor*[tiab])

*RCT Filter:

AND (randomized controlled trial[pt] OR controlled clinical trial[pt] OR randomized[tiab] OR placebo[tiab] OR "clinical trials as topic"[MeSH Terms:noexp] OR randomly[tiab] OR trial[ti] NOT ("animals"[MeSH Terms] NOT "humans"[MeSH Terms]))

How to find more synonyms and word variations and further articles



Exercise 2a

Choose one exercise



Question:

Does the additional intake of spironolactone reduce mortality in patients with heart failure?

Task: Create a suitable search.

- a) Identify the PICO aspects of the question and consider what you are looking for
- b) Find suitable MeSH terms in the MeSH database
- c) Find suitable text words (note synonyms and word variants)
- d) Combine the MeSH terms and text words with OR and then the partial searches of the different PICO aspects with AND
- e) *Bonus task: Filter your results with the RCT filter from Cochrane(<https://work.cochrane.org/pubmed>)*

Exercise 2b

Choose one exercise



Question:

Do adults with exposure to mineral fibers have a higher mortality risk than adults without exposure to mineral fibers?

Task: Create a suitable search.

- a) Identify the PICO aspects of the question and consider what you are looking for
- b) Find suitable MeSH terms in the MeSH database
- c) Find suitable text words (note synonyms and word variants)
- d) Combine the MeSH terms and text words with OR and then the partial searches of the different PICO aspects with AND
- e) *Bonus task: Filter your results with the RCT filter from Cochrane(<https://work.cochrane.org/pubmed>)*

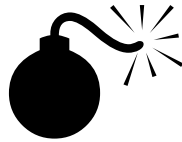
Order of combining MeSH and text words

II

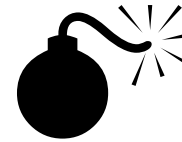
(**P** MeSH **OR** **P** text words) **AND** (**I** MeSH **OR** **I** text words)

AND

(**C** MeSH **OR** **C** text words) **AND** (**O** MeSH **OR** **O** text words)



≠



(**P** MeSH **AND** **I** MeSH **AND** **C** MeSH **AND** **O** MeSH)

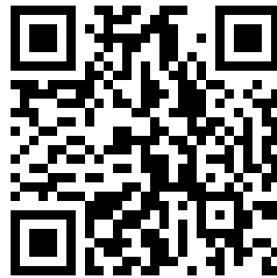
OR

(**P** text words **AND** **I** text words **AND** **C** text words **AND** **O** text words)

Take Home Messages

- Free-text searching is completely sufficient for simple search queries
- For more complex searches, a combination of MeSH terms and text words is recommended
- There are many ways to reach your goal:
Test different search strategies and check which one makes the most sense for your topic and situation

Please evaluate the course:



<https://k11331.evasys.de/evasys/online.php?p=SJVT9>

Contact:

Jacqueline Huber, jacqueline.huber@swisstph.ch

Further information:

- Swiss TPH library offers free advice and support for its members on literature searching and using EndNote. We also offer a document delivery service.
Contact: library@swisstph.ch
- The University Medical library also offers support:
<https://ub.unibas.ch/en/locations/university-medical-library/support-for-literature-searching/>

Handout Appendix: Overview

I

Short repetition of “Basics in Literature search”
(PubMed vs PMC; find and order full-text)

II

PubMed live

- user interface, abstract view, advanced search interface
- Search Details and Advanced Term Mapping (ATM)
- Understanding free-text searching
- 3 things that turn off ATM
- MeSH database
- Search for MeSH terms (PubMed Search Builder)
- Find text word synonyms
(entry terms from the MeSH database)
- Reuse searches you have performed
(on advanced search interface)
- Use NOT to compare strategies
- Find more articles (similar articles and cited by)

Searching for technical terms without full text can be frustrating

I

PubMed.gov

"gastrocnemius" and "lysis buffer"



Search

[Advanced](#) [Create alert](#)

[User Guide](#)

Sorted by: Best match



[MYNCBI FILTERS](#)

No results were found.

For comparison the full text database PubMed Central (PMC)

National Center for Biotechnology Information

8600 Rockville Pike
Bethesda, MD 20894

[About us](#) [Contact us](#) [Policies](#) [FOIA](#)

Popular	Resources
PubMed	Literature
PubMed Central	Health
Bookshelf	Genomes
PubChem	Genes
Gene	Proteins
BLAST	

NCBI Resources How To

PMc "gastrocnemius" and "lysis buffer"

US National Library of Medicine
National Institutes of Health

Create alert Journal List Advanced

Article attributes
Associated Data
Author manuscripts
Digitized back issues
MEDLINE journals
Open access
Retracted

Text availability
Include embargoed articles

Publication date
1 year
5 years
10 years
Custom range...

Research Funder
NIH
AHRQ
ACL
ASPR

Display Settings: Summary, 20 per page, Sorted by Default order Send to:

Search results

Items: 1 to 20 of 2240

<< First < Prev Page 1 of 112 Next > Last >>

[Tumor protein 53-induced nuclear protein 1 deficiency alters mouse **gastrocnemius** muscle function and bioenergetics in vivo](#)

1. Julie Warnez-Soulie, Michael Macia, Sophie Lac, Emilie Pecchi, Monique Bernard, David Bendahan, Marc Bartoli, Alice Carrier, Benoit Giannesini
Physiol Rep. 2019 May; 7(10): e14055. Published online 2019 May 23. doi: 10.14814/phy2.14055
PMCID: PMC6533175
[Article](#) [PubReader](#) [PDF-818K](#) [Citation](#)

[Pulmonary inflammation-induced alterations in key regulators of mitophagy and mitochondrial biogenesis in murine skeletal muscle](#)

2. Pieter A. Leermakers, Alexander H. V. Remels, Ramon C. J. Langen, Annemie M. W. J. Schols, Harry R. Gosker
BMC Pulm Med. 2020; 20: 20. Published online 2020 Jan 21. doi: 10.1186/s12890-020-1047-8

From the database to full text via VPN

I

Abstract view
of article

FULL TEXT LINKS



The screenshot shows the SpringerLink interface for an article. The article title is "Efficacy of St. John's wort extract WS[®] 5570 in acute treatment of mild depression". The journal is "European Archives of Psychiatry and Clinical Neuroscience", December 2007, Volume 258, Issue 1, pp 59-63. The authors are S. Kasper, M. Gastpar, W. E. Müller, H. P. Volz, A. Dienel, M. Kieser, and H. J. Möller. The article is marked as an "ORIGINAL PAPER" and has 19 citations and 1 share. On the right side, there is a "Download PDF" button circled in red, along with "Cite article" and "Share article" buttons. A table of contents on the right lists sections like Abstract, Introduction, Methods, Results, Discussion, Footnotes, References, Copyright information, and About this article.

The University of Basel has licenses for many journals. From outside the university network, you can connect to the **VPN** to take advantage of this and view the full texts.

PubMed: From the database to full text via swisscovery



Comparative Study > Int J Psychiatry Clin Pract. 2017 Nov;21(4):314-317.
doi: 10.1080/13651501.2017.1324036. Epub 2017 May 15.

Comparison of depression symptoms between primary depression and secondary-to-schizophrenia depression

Twana Rahim¹, Roshe Rashid²

Affiliations + expand

PMID: 28503978 DOI: 10.1080/13651501.2017.1324036

Abstract

FULL TEXT LINKS

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ACTIONS

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If no full text link of publisher on PubMed try swisscovery (Swiss library catalogue)

https://slsp-ubs.primo.exlibrisgroup.com/discovery/search?vid=41SLSP_UBS:live&lang=en

Appears when you go to PubMed via this link:

<https://pubmed.ncbi.nlm.nih.gov/?otool=unibaslib>

depression like subjective depressed mood, anhedonia, reduced energy and pathological guilt are more prominent in the primary depression.

Keywords: Depression; common symptoms; schizophrenia.

Similar articles

MeSH terms

Related information

LinkOut - more resources

PubMed: From the database to full text via swisscovery

Comparison of depression symptoms between primary depression and secondary-to-schizophrenia depression.

Rahim, Twana; Rashid, Roshe

ISSN: 1365-1501 , 1471-1788; DOI: 10.1080/13651501.2017.1324036; PMID: 28503978

International journal of psychiatry in clinical practice. , 2017, Vol.21(4), p.314-317

Fulltext link via "View Online"

Links

Photocopy request for

View Online

Taylor & Francis Medical Library

Available from 01/01/1997 volume: 1 issue: 1

Show license



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PubMed: From the database to full text via swisscovery

The screenshot shows a library catalog record for the article "[Public health as a social innovation]". The record includes the author "Rosenbrock, R", ISSN "0941-3790", PMID "7756762", and the journal "Das Gesundheitswesen, 1995, Vol.57(3), p.140-144". A callout box points to the "Loan and request options" section, which lists the location "Basel - UB Hauptbibliothek" and the journal "Magazin UBH Med Zs 779". The callout text states: "If not available online you can order a copy via swisscovery".

[Public health as a social innovation].
Rosenbrock, R
ISSN: 0941-3790 , 1439-4421; PMID: 7756762
Das Gesundheitswesen. , 1995, Vol.57(3), p.140-144
Check holdings Basel - UB Hauptbibliothek Magazin (UBH Med Zs 779) >

Top
Links
Loan and request options
Send to
Virtual Browse

Links
Photocopy request form >

Loan and request options

< Back to locations

Basel - UB Hauptbibliothek
-, Magazin **UBH Med Zs 779**
Summary holdings: 54(1992)-69(2007)
Notes: [Bezug eingestellt]

On loan until 25/10/2021 23:00:00 CEST (0 requests) Jg. 69 (2007)
28 Days Loan

Request / Digitization

PubMed: From the database to full text via swisscovery

[Public health as a social innovation].

Rosenbrock, R

ISSN: 0941-3790 , 1439-4421; PMID: 7756762

Das Gesundheitswesen. , 1995, Vol.57(3), p.140-144

📄 Check holdings [Basel - UB Hauptbibliothek Magazin \(UBH Med Zs 779\)](#) >

Choose the correct item, click on digitization and fill out the form (fee-based).

Alternatively, if you are a Swiss TPH student, you can send a copy request with the Pubmed link via email to library@swisstph.ch and we will order it for you.

Item in place (0 requests)
28 Days Loan

Jg. 57 (1995)

- Additional call number: UBH Med Zs 779:57
- Material Type: Bound Issue
- Location: Basel - UB Hauptbibliothek Magazin UBH Med Zs 779
- Barcode: 0UBU0795784

Request

Digitization



PubMed: What do I find where?

II

The image shows a screenshot of the PubMed.gov website. At the top left, there is the NIH logo and the text "U.S. National Library of Medicine National Center for Biotechnology Information". At the top right, there is a user profile icon and the name "herzogch". The main content area features the PubMed.gov logo on the left. In the center, a light blue callout box with a tail pointing to the search input field contains the text "Search box". Below the callout, there is a search bar with the text "depression" entered. To the right of the search bar is a green "Search" button. Below the search bar, the word "Advanced" is visible. At the bottom of the page, there is a paragraph of text: "PubMed® comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites."

Presentation of the results

II

The screenshot shows the PubMed search interface. At the top left is the PubMed logo. A search bar contains the text 'depression'. To the right of the search bar are buttons for 'Advanced', 'Create alert', and 'User Guide'. Below the search bar are buttons for 'Save', 'Email', and 'Send to'. On the right side, there is a dropdown menu for sorting, currently set to 'Sorted by: Best match', which is circled in red. Below the search bar, there are filters for 'MYNCBI FILTERS' and 'RESULTS BY YEAR'. The 'RESULTS BY YEAR' section includes a bar chart showing the number of results from 1788 to 2020. Below the chart are options for 'TEXT AVAILABILITY' (Abstract, Free full text, Full text) and 'ARTICLE ATTRIBUTE' (Associated data). The search results are listed below the filters. The first result is 'Mental health: a world of depression.' by Smith K., published in Nature in 2014. The second result is 'Editorial: A Systematic Review of Depression.' by Cui R., published in Curr Neuropharmacol. in 2015. The third result is 'Depression: a change of mind.' by Anthes E., published in Nature in 2014. A teal callout box points to the 'Sorted by: Best match' dropdown with the text 'default sorting by "best match" (can be easily changed)'. Another teal callout box points to the 'Depression: a change of mind.' result with the text 'Links to abstract view'.

PubMed.gov

depression

Advanced Create alert User Guide

Save Email Send to

Sorted by: Best match

MYNCBI FILTERS

RESULTS BY YEAR

1788 2020

TEXT AVAILABILITY

Abstract

Free full text

Full text

ARTICLE ATTRIBUTE

Associated data

549,650 results

Mental health: a world of depression.

1 Smith K.
Nature. 2014 Nov 13;515(7526):181. doi: 10.1038/515180a.
PMID: 25391942 No abstract available.

“ Cite Share

Editorial: A Systematic Review of Depression.

2 Cui R.
Curr Neuropharmacol. 2015;13(4):480. doi: 10.2174/1570159x1304150831123535.
PMID: 26412067 **Free PMC article.** Review. No abstract available.

“ Cite Share

Depression: a change of mind.

3 Anthes E.
Nature. 2014 Nov 13;515(7526):185-7. doi: 10.1038/515185a.

default sorting by "best match" (can be easily changed)

Links to abstract view

Abstract View



Links to full text

Direct link to the previous (or next) abstract

Comparative Study > Int J Psychiatry Clin Pract, 21 (4), 314-317 Nov 2017

Comparison of Depression Symptoms Between Primary Depression and Secondary-To-Schizophrenia Depression

Twana Rahim ¹, Roshe Rashid ²
Affiliations + expand
PMID: 28503978 DOI: 10.1080/13651501.2017.1324036

Abstract

Objectives: This study exclusively aimed to clinically assess which symptom pattern indicates primary depression from depression-secondary-to-schizophrenia.

Methods: A total of 98 patients with primary depression and 71 patients with secondary-to-schizophrenia depression were assessed for identifying the clinical phenomena of depression. Diagnosis of schizophrenia was confirmed by Mini International Neuropsychiatric Interview. Each patient was, however, assessed by Patient Health Questionnaire-9 as well as Calgary Depression Schizophrenia (CDSS) for possible concurrent depressive symptoms.

Depressed mood, loss of interest, reduced energy and pathological guilt were more common in primary depression, whereas sleep disturbance and guilty ideas of reference were more amounting towards the diagnosis of depression secondary-to-schizophrenia.

Conclusions: It is clinically hard to differentiate primary from secondary-to-schizophrenia depression, especially in the absence of obvious psychotic symptoms. However, the classical symptoms of depression like subjective depressed mood, anhedonia, reduced energy and pathological guilt are more prominent in the primary depression.

Keywords: Depression; common symptoms; schizophrenia.

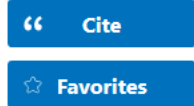
Similar articles

[Association of physical and social anhedonia with depression in the acute phase of](#)

FULL TEXT LINKS



ACTIONS



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PAGE NAVIGATION

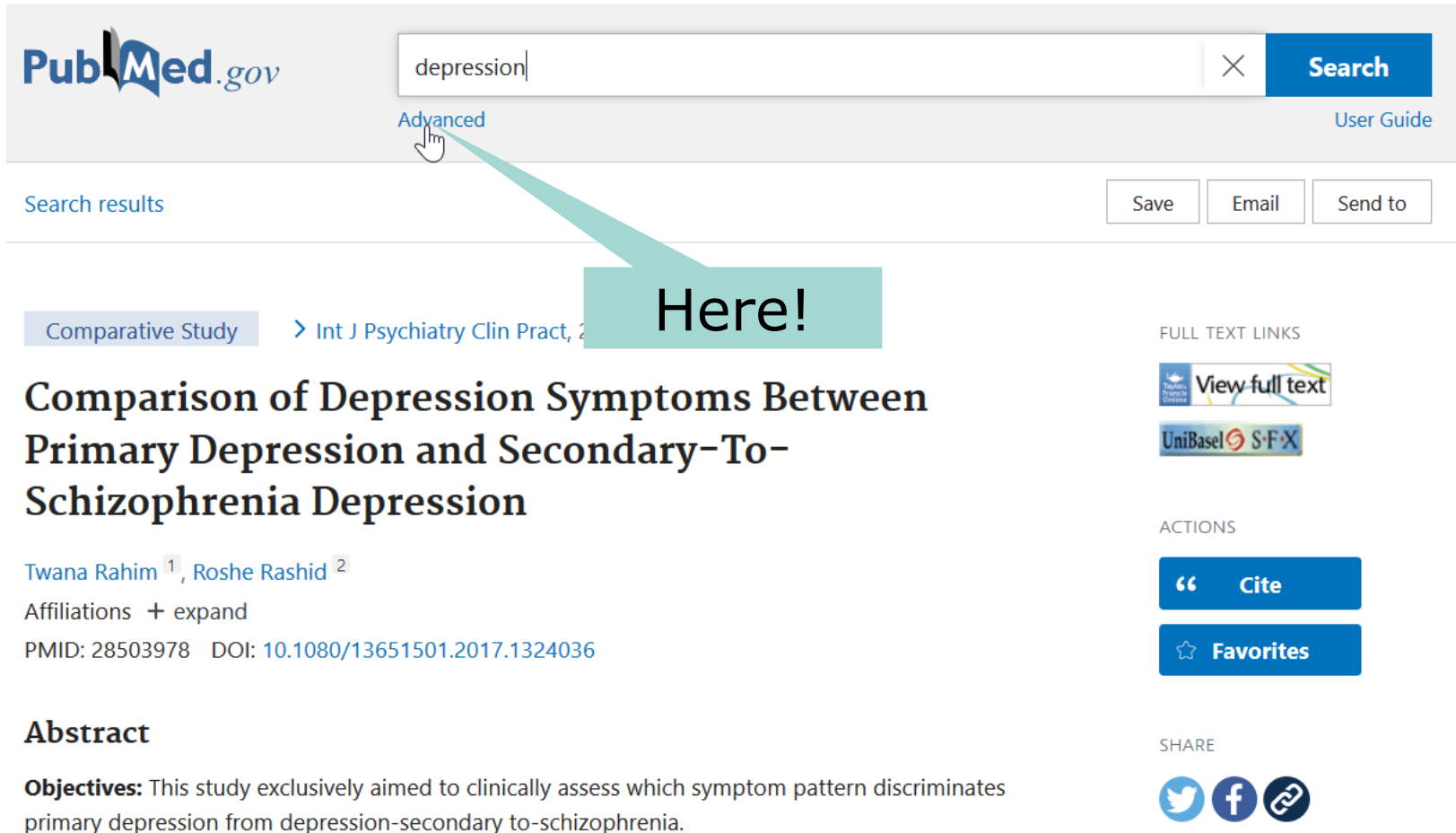
- < Title & authors
- Abstract
- Similar articles
- Cited by
- Publication types
- MeSH terms
- LinkOut - more resources

Links to all fields in the view

PREV RESULT
3 of 549,711

Depression: a change of mind.
Anthes E. Nature. 2014. PMID: 28503978 No abstract available.

Access to the Advanced Interface



The screenshot shows the PubMed search interface. At the top left is the PubMed.gov logo. A search bar contains the text 'depression' and a search button. Below the search bar, the word 'Advanced' is highlighted with a blue link and a mouse cursor icon. A green arrow points from the 'Advanced' link to a green box containing the text 'Here!'. Below the search bar, there are buttons for 'Save', 'Email', and 'Send to'. The search results section shows a link to a 'Comparative Study' in 'Int J Psychiatry Clin Pract, 2017'. The main title of the article is 'Comparison of Depression Symptoms Between Primary Depression and Secondary-To-Schizophrenia Depression'. The authors are Twana Rahim¹ and Roshe Rashid². The PMID is 28503978 and the DOI is 10.1080/13651501.2017.1324036. On the right side, there are sections for 'FULL TEXT LINKS' with icons for 'View full text' and 'UniBasel SFX', 'ACTIONS' with buttons for 'Cite' and 'Favorites', and 'SHARE' with icons for Twitter, Facebook, and a link icon.

PubMed *Advanced* Interface

PubMed Advanced Search Builder

Search queries in defined fields

PubMed.gov
User Guide

Add terms to the query box

All Fields

ADD Show Index

Query box

Search Box

Enter / edit your search query here

Search

History and Search Details

Previous search queries with search details

Download Delete

Search	Actions	Details	Query	Results	Time
#1	...	>	Search: depression	549,650	05:48:27

Showing 1 to 1 of 1 entries

Links to previous results

Search details on PubMed Advanced

History and Search Details Download Delete


Search	Actions	Details	Query	Results	Time
#1	...		<p>Search: depression</p> <p>(((((("consciousness disorders"[MeSH Terms] OR ("consciousness"[All Fields] AND "disorders"[All Fields])) OR "consciousness disorders"[All Fields] OR "depressed"[All Fields] OR "depression"[MeSH Terms] OR "depression"[All Fields] OR "depressions"[All Fields] OR "depression s"[All Fields] OR "depressive disorder"[MeSH Terms] OR ("depressive"[All Fields] AND "disorder"[All Fields])) OR "depressive disorder"[All Fields] OR "depressivity"[All Fields] OR "depressive"[All Fields] OR "depressively"[All Fields] OR "depressiveness"[All Fields] OR "depressives"[All Fields]</p> <p>Translations</p> <p>depression: "consciousness disorders"[MeSH Terms] OR ("consciousness"[All Fields] AND "disorders"[All Fields]) OR "consciousness disorders"[All Fields] OR "depressed"[All Fields] OR "depression"[MeSH Terms] OR "depression"[All Fields] OR "depressions"[All Fields] OR "depression's"[All Fields] OR "depressive disorder"[MeSH Terms] OR ("depressive"[All Fields] AND "disorder"[All Fields]) OR "depressive disorder"[All Fields] OR "depressivity"[All Fields] OR "depressive"[All Fields] OR "depressively"[All Fields] OR "depressiveness"[All Fields] OR "depressives"[All Fields]</p>	549,650	05:48:27

Understanding free-text searching: I

II

History and Search Details

Download Delete

Search	Actions	Details	Query	Results	Time
#1	...		Search: depression ((((("consciousness disorders"[MeSH Terms] OR ("consciousness"[All Fields] AND "disorders"[All Fields])) OR "consciousness disorders"[All Fields]) OR "depressed"[All Fields]) OR "depression"[MeSH Terms]) OR "depression"[All Fields]) OR "depressions"[All Fields]) OR "depression s"[All Fields]) OR "depressive disorder"[MeSH Terms]) OR ("depressive"[All Fields] AND "disorder"[All Fields])) OR "depressive disorder"[All Fields]) OR "depressivity"[All Fields]) OR "depressive"[All Fields]) OR "depressively"[All Fields]) OR "depressiveness"[All Fields]) OR "depressives"[All Fields]	550,547	09:33:20

PubMed performs an **automatic term mapping (ATM)**, i.e. a «translation»:

Suitable MeSH terms and word variants (plural forms, compound words, verb forms, adjectives, ...) are combined with the OR operator to form a search string.

Understanding free-text searching II

If several PICO aspects are searched for, PubMed performs **ATM** for all terms. The resulting search blocks are combined with the AND operator to form a search string.

Search	Actions	Details	Query	Results
#2	...	▼	<p>Search: Depression hypericum serotonin uptake inhibitors</p> <p>(((((("consciousness disorders"[MeSH Terms] OR ("consciousness"[All Fields] AND "disorders"[All Fields])) OR "consciousness disorders"[All Fields] OR "depressed"[All Fields] OR "depression"[MeSH Terms] OR "depression"[All Fields] OR "depressions"[All Fields] OR "depression s"[All Fields] OR "depressive disorder"[MeSH Terms] OR ("depressive"[All Fields] AND "disorder"[All Fields]) OR "depressive disorder"[All Fields] OR "depressivity"[All Fields] OR "depressive"[All Fields] OR "depressively"[All Fields] OR "depressiveness"[All Fields] OR "depressives"[All Fields]) AND ("hypericum"[MeSH Terms] OR "hypericum"[All Fields]) AND ("serotonin uptake inhibitors"[Pharmacological Action] OR "serotonin uptake inhibitors"[MeSH Terms] OR ("serotonin"[All Fields] AND "uptake"[All Fields] AND "inhibitors"[All Fields]) OR "serotonin uptake inhibitors"[All Fields])</p> <p>Translations</p> <p>Depression: "consciousness disorders"[MeSH Terms] OR ("consciousness"[All Fields] AND "disorders"[All Fields]) OR "consciousness disorders"[All Fields] OR "depressed"[All Fields] OR "depression"[MeSH Terms] OR "depression"[All Fields] OR "depressions"[All Fields] OR "depression's"[All Fields] OR "depressive disorder"[MeSH Terms] OR ("depressive"[All Fields] AND "disorder"[All Fields]) OR "depressive disorder"[All Fields] OR "depressivity"[All Fields] OR "depressive"[All Fields] OR "depressively"[All Fields] OR "depressiveness"[All Fields] OR "depressives"[All Fields]</p> <p>hypericum: "hypericum"[MeSH Terms] OR "hypericum"[All Fields]</p> <p>serotonin uptake inhibitors: "serotonin uptake inhibitors"[Pharmacological Action] OR "serotonin uptake inhibitors"[MeSH Terms] OR ("serotonin"[All Fields] AND "uptake"[All Fields] AND "inhibitors"[All Fields]) OR "serotonin uptake inhibitors"[All Fields]</p>	105

Inclusion of synonyms* increases the number of hits

History and Search Details Download Delete

Search	Actions	Details	Query	Results	Time
#3	...	>	Search: Depression (hypericum OR st johns wort) serotonin uptake inhibitors	112	11:26:58
#2	...	>	Search: Depression hypericum serotonin uptake inhibitors	105	09:50:48
#1	...	>	Search: depression	550,547	09:33:20

*How do I find text word synonyms? → **See later slide!**

3 things that turn off automatic term mapping (ATM):

1. Phrasing
2. Search in specific fields only (field search)
3. Root term search (truncation)

Disadvantage if ATM is switched off:

→ **MeSH terms are missing**

Things that turn off ATM: Phrasing

History and Search Details					Download
Search	Actions	Details	Query	Results	
#14	...	>	Search: Depression (hypericum OR st johns wort OR "St. john's wort") serotonin uptake inhibitors	113	
#9	...	>	Search: Depression (hypericum OR st johns wort OR St. john's wort) serotonin uptake inhibitors	112	
#3	...	>	Search: Depression (hypericum OR st johns wort) serotonin uptake inhibitors	112	
#2	...	>	Search: Depression hypericum serotonin uptake inhibitors	105	

hypericum: "hypericum"[MeSH Terms] OR "hypericum"[All Fields]

st johns wort: "hypericum"[MeSH Terms] OR "hypericum"[All Fields] OR ("st"[All Fields] AND "johns"[All Fields] AND "wort"[All Fields]) OR "st johns wort"[All Fields]

St. john's: st. john's[Author]

Things that turn off ATM: Field search

e.g. in [Title/Abstract] or [tiab]

The screenshot displays the PubMed Advanced Search Builder interface. At the top left, it says "PubMed Advanced Search Builder" and at the top right is the "PubMed.gov" logo. Below the header, there is a section titled "Add terms to the query box". This section contains a dropdown menu currently set to "All Fields", a text input field labeled "Enter a search term", and a blue "ADD" button with a downward arrow. Below the "ADD" button is a "Show Index" link. In the center, there is a larger text input field labeled "Query here". To the right of this field is a blue "Search" button with a downward arrow. Below the search area, there is a section titled "Details" with the text "As you use PubMed your recent searches will appear here." At the bottom of the interface, there are icons for GitHub and a "Blog" link, and a "Support Center" link with a question mark icon. The dropdown menu is open, showing a list of search fields: Issue, Journal, Language, Location ID, MeSH Major Topic, MeSH Subheading, MeSH Terms, Other Term, Pagination, Pharmacological Action, Publication Type, Publisher, Secondary Source ID, Subject - Personal Name, Supplementary Concept, Text Word, Title, Title/Abstract (highlighted with a mouse cursor), Transliterated Title, and Volume.

Things that turn off ATM: Field search

For field searches, it automatically **phrases**

Search	Actions	Details	Query	Results
#18	...	▼	Search: serotonin uptake inhibitors [Title/Abstract] "serotonin uptake inhibitors"[Title/Abstract]	327

Things that turn off ATM: Field search

[Title/Abstract] = [tiab]

Search	Actions	Details	Query	Results
#18	...	▼	Search: serotonin uptake inhibitors [Title/Abstract] "serotonin uptake inhibitors"[Title/Abstract]	327
#17	...	▼	Search: serotonin uptake inhibitors [tiab] "serotonin uptake inhibitors"[Title/Abstract]	327

Things that turn off ATM: Field search

Fewer hits as:

- Phrasing switches off ATM
- only specified fields are searched
→ more precision, less sensitivity

Search	Actions	Details	Query	Results
#2	...	▼	Search: serotonin uptake inhibitor [Title/Abstract] "serotonin uptake inhibitor" [Title/Abstract]	296
#1	...	▼	Search: serotonin uptake inhibitor (((("serotonin uptake inhibitors"[Pharmacological Action] OR "serotonin uptake inhibitors"[MeSH Terms]) OR ("serotonin"[All Fields] AND "uptake"[All Fields]) AND "inhibitors"[All Fields])) OR "serotonin uptake inhibitors"[All Fields]) OR (("serotonin"[All Fields] AND "uptake"[All Fields]) AND "inhibitor"[All Fields]) OR "serotonin uptake inhibitor"[All Fields]	45,223

Field searches can help to eliminate inappropriate results

e.g. an abstract found with tuberculosis [all fields]:

[Mol Genet Genomic Med](#). 2019 Nov 8:e1033. doi: 10.1002/mgg3.1033. [Epub ahead of print]

7. **Primary ciliary dyskinesia caused by a large homozygous deletion including exons 1-4 of DRC1 in Japanese patients with recurrent sinopulmonary infection.**

[Keicho N](#)¹, [Hijikata M](#)², [Morimoto K](#)³, [Homma S](#)⁴, [Taguchi Y](#)⁵, [Azuma A](#)⁶, [Kudoh S](#)⁷.

☰ **Author information**

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- 3 Respiratory Disease Center, Fukujuji Hospital, Japan Anti-Tuberculosis Association, Tokyo, Japan.
- 4 Department of Advanced and Integrated Interstitial Lung Diseases Research, School of Medicine, Toho University, Tokyo, Japan.
- 5 Department of Respiratory Medicine, Tenri Hospital, Nara, Japan.
- 6 Division of Pulmonary Medicine and Oncology, Graduate School of Medicine, Nippon Medical School, Tokyo, Japan.
- 7 Japan Anti-Tuberculosis Association, Tokyo, Japan.

Abstract

BACKGROUND: Diffuse panbronchiolitis (DPB) is a sinopulmonary disease mainly affecting Asian populations. Primary ciliary dyskinesia (PCD) is a genetically heterogeneous disorder impairing ciliary structure and function. These two disorders are not easily distinguished by clinical signs and symptoms.

Search term
not topic of
the article
but part of
the authors'
affiliation

Things that turn off ATM: Truncation

History and Search Details				Download
Search	Actions	Details	Query	Results
#2	...	▼	Search: depression* "depression*" [All Fields]	399,816
#1	...	▼	Search: depression ((((((((((((("consciousness disorders"[MeSH Terms] OR ("consciousness"[All Fields] AND "disorders"[All Fields])) OR "consciousness disorders"[All Fields] OR "depressed"[All Fields]) OR "depression"[MeSH Terms] OR "depression"[All Fields] OR "depressions"[All Fields] OR "depression s"[All Fields] OR "depressive disorder"[MeSH Terms] OR ("depressive"[All Fields] AND "disorder"[All Fields])) OR "depressive disorder"[All Fields] OR "depressivity"[All Fields] OR "depressive"[All Fields] OR "depressively"[All Fields] OR "depressiveness"[All Fields] OR "depressives"[All Fields]	550,655

In PubMed you can set the asterisk (*) only at the end of the word stem

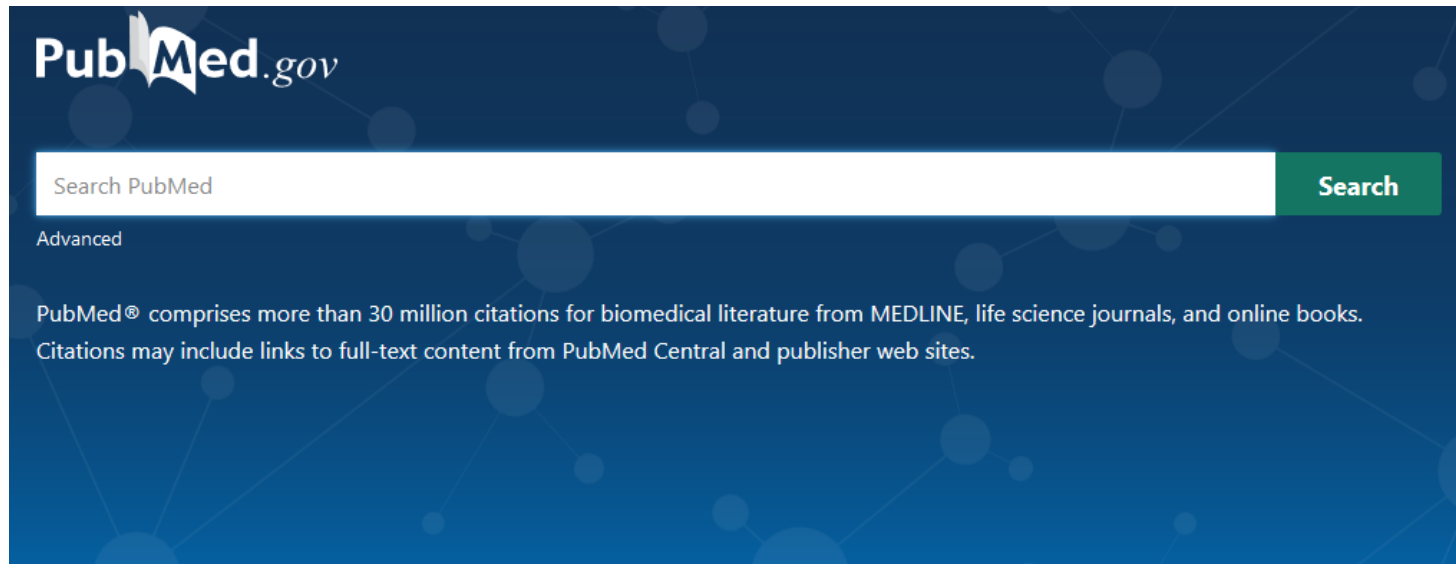
MeSH terms used by ATM

Check whether the MeSH terms automatically used by ATM are meaningful (in MeSH database).

Alternative to ATM:
Disable ATM (see previous slides) and combine text words manually with appropriate MeSH terms

Search	Actions	Details	Query	Results
			<p>Search: Depression hypericum serotonin uptake inhibitors</p> <p>(((((("consciousness disorders"[MeSH Terms]) OR ("consciousness"[All Fields] AND "disorders"[All Fields])) OR "consciousness disorders"[All Fields]) OR "depressed"[All Fields]) OR "depression"[MeSH Terms]) OR "depression"[All Fields]) OR "depressions"[All Fields]) OR "depression s"[All Fields]) OR "depressive disorder"[MeSH Terms]) OR ("depressive"[All Fields] AND "disorder"[All Fields]) OR "depressive disorder"[All Fields]) OR "depressivity"[All Fields]) OR "depressive"[All Fields]) OR "depressively"[All Fields]) OR "depressiveness"[All Fields]) OR "depressives"[All Fields]) AND ("hypericum"[MeSH Terms] OR "hypericum"[All Fields]) AND (((("serotonin uptake inhibitors"[Pharmacological Action] OR "serotonin uptake inhibitors"[MeSH Terms]) OR ("serotonin"[All Fields] AND "uptake"[All Fields]) AND "inhibitors"[All Fields])) OR "serotonin uptake inhibitors"[All Fields])</p> <p>Translations</p> <p>Depression: "consciousness disorders"[MeSH Terms] OR ("consciousness"[All Fields] AND "disorders"[All Fields]) OR "consciousness disorders"[All Fields] OR "depressed"[All Fields] OR "depression"[MeSH Terms] OR "depression"[All Fields] OR "depressions"[All Fields] OR "depression's"[All Fields] OR "depressive disorder"[MeSH Terms] OR ("depressive"[All Fields] AND "disorder"[All Fields]) OR "depressive disorder"[All Fields] OR "depressivity"[All Fields] OR "depressive"[All Fields] OR "depressively"[All Fields] OR "depressiveness"[All Fields] OR "depressives"[All Fields]</p> <p>hypericum: "hypericum"[MeSH Terms] OR "hypericum"[All Fields]</p> <p>serotonin uptake inhibitors: "serotonin uptake inhibitors"[Pharmacological Action] OR "serotonin uptake inhibitors"[MeSH Terms] OR ("serotonin"[All Fields] AND "uptake"[All Fields] AND "inhibitors"[All Fields]) OR "serotonin uptake inhibitors"[All Fields]</p>	105

Access to the MeSH Database



Learn

- About PubMed
- FAQs & User Guide
- Finding Full Text



Find

- Advanced Search
- Clinical Queries
- Single Citation Matcher



Download

- E-utilities API
- FTP
- Batch Citation Matcher



Explore

- MeSH Database

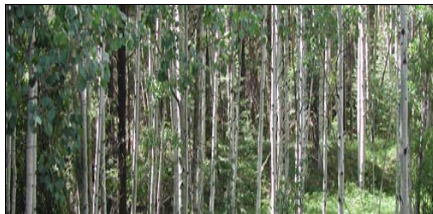
MeSH Database



NCBI Resources ▾ How To ▾ herzogch My NCBI Sign Out

MeSH MeSH ▾ hypericum Search

Limits Advanced Help



MeSH

MeSH (Medical Subject Headings) is the NLM controlled vocabulary thesaurus used for indexing articles for PubMed.

Using MeSH

[Help](#)

[Tutorials](#)

More Resources

[E-Utilities](#)

[NLM MeSH Homepage](#)

Summary ▾

Search results

Items: 4

- [Hypericum](#)
 1. Genus of perennial plants in the family CLUSIACEAE (sometimes classified as Hypericaceae). Herbal and h are used for depression, neuralgias, and a variety of other conditions. **Hypericum** contains flavonoids; GLYC TANNINS; volatile oils (OILS, ESSENTIAL), hypericin and hyperforin.
Year introduced: 2000
- [p27\(SJ\) protein, St John's Wort \[Supplementary Concept\]](#)
 2. suppresses expression of HIV-1 genome; has been sequenced
Date introduced: May 17, 2006
- [Hypericum extract LI 160 \[Supplementary Concept\]](#)
 3. Date introduced: September 6, 2001



MeSH Database

Definition of the MeSH term

Depressive Disorder

An affective disorder manifested by either a dysphoric mood or loss of interest or pleasure in usual activities. The mood disturbance is prominent and relatively persistent.

Year introduced: 1981

PubMed search builder options

[Subheadings:](#)

- | | | |
|--|--|--|
| <input type="checkbox"/> analysis | <input type="checkbox"/> etiology | <input type="checkbox"/> prevention and control |
| <input type="checkbox"/> anatomy and histology | <input type="checkbox"/> genetics | <input type="checkbox"/> psychology |
| <input type="checkbox"/> blood | <input type="checkbox"/> history | <input type="checkbox"/> radiography |
| <input type="checkbox"/> cerebrospinal fluid | <input type="checkbox"/> immunology | <input type="checkbox"/> radionuclide imaging |
| <input type="checkbox"/> chemically induced | <input type="checkbox"/> metabolism | <input type="checkbox"/> rehabilitation |
| <input type="checkbox"/> classification | <input type="checkbox"/> microbiology | <input type="checkbox"/> statistics and numerical data |
| <input type="checkbox"/> complications | <input type="checkbox"/> mortality | <input type="checkbox"/> surgery |
| <input type="checkbox"/> cytology | <input type="checkbox"/> nursing | <input type="checkbox"/> therapy |
| <input type="checkbox"/> diagnosis | <input type="checkbox"/> organization and administration | <input type="checkbox"/> ultrasonography |
| <input type="checkbox"/> diet therapy | <input type="checkbox"/> parasitology | |
| <input type="checkbox"/> drug therapy | <input type="checkbox"/> pathology | <input type="checkbox"/> virology |
| <input type="checkbox"/> economics | | |
| <input type="checkbox"/> enzymology | | |

Subheadings = specifications, e.g. «drug therapy»

Restrict to MeSH Major Topic.

Do not include MeSH terms found below this term in the MeSH hierarchy.

Tree Number(s): F03.600.300

MeSH Unique ID: D003866

Entry Terms:

- Depressive Disorders
- Disorder, Depressive
- Disorders, Depressive
- Neurosis, Depressive
- Depressive Neuroses

Alternative search terms & synonyms, which are also queried by the MeSH term

MeSH Database

- Restrict to MeSH Major Topic.
- Do not include MeSH terms found below this term in the MeSH hierarchy.

Tree Number(s): F03.600.200

MeSH Unique ID: D003866

Entry Terms:

- Depressive Disorders
- Disorder, Depressive
- Disorders, Depressive

MeSH Major Topic (*):
Subject heading is main aspect

Automatically included narrower terms
«**Automatic explosion**» / **explode**
can be actively excluded

- Neurotic Depressions
- Melancholia
- Melancholias
- Unipolar **Depression**
- **Depression**, Unipolar
- Depressions, Unipolar
- Unipolar Depressions

Previous Indexing:

- [Adjustment Disorders \(1966-1980\)](#)
- [Depression \(1966-1980\)](#)

Previously used MeSH terms

[All MeSH Categories](#)

[Psychiatry and Psychology Category](#)

[Mental Disorders](#)

[Mood Disorders](#)

Depressive Disorder

[Depression, Postpartum](#)

[Depressive Disorder, Major](#)

[Depressive Disorder, Treatment-Resistant](#)

[Dysthymic Disorder](#)

[Premenstrual Dysphoric Disorder](#)

Search for MeSH terms: Search Builder From MeSH database back to PubMed

Depression

Depressive states usually of moderate intensity in contrast with normal

PubMed search builder options

Subheadings:

- analysis
- anatomy and histology
- epidemiology
- etymology
- evidence

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Pure MeSH term searches return fewer hits

History and Search Details Download

Search	Actions	Details	Query	Results
#2	...	>	Search: (depression[MeSH Terms] OR depressive disorder[MeSH Terms] OR consciousness disorder[MeSH Terms]) AND hypericum[MeSH Terms] AND serotonin uptake inhibitors[MeSH Terms]	38
#1	...	>	Search: depression (hypericum OR st johns wort OR "St. John's wort") serotonin uptake inhibitors	113

Find text word synonyms : Inspiration e.g. from MeSH database under «Entry Terms»

Hypericum

Genus of perennial plants in the family CLUSIACEAE (sometimes classified as Hypericaceae). Herbal and homeopathic preparations are used for depression, neuralgias, and a variety of other conditions. **Hypericum** contains flavonoids; GLYCOSIDES; mucilage, TANNINS; volatile oils (OILS, ESSENTIAL), hypericin and hyperforin.

Entry Terms:

- Hypericums
- **Hypericum** perforatum
- **Hypericum** perforatums
- perforatums, **Hypericum**
- St. Johns Wort
- Johns Wort, St.
- Wort, St. Johns
- St. Johnswort
- Johnswort, St.
- Saint Johns Wort
- Johns Wort, Saint
- Wort, Saint Johns
- Saint Johnswort
- Johnswort, Saint
- St. John's Wort
- John's Wort, St.
- St. John Wort
- Wort, St. John's
- Saint John's Wort
- John's Wort, Saint
- Saint John Wort
- Wort, Saint John's

Manually created search strings with MeSH terms and text word synonyms

History and Search Details

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Search	Actions	Details	Query	Results
#4	...	>	Search: (" consciousness disorders "[MeSH Terms] OR " depression "[MeSH Terms] OR " depressive disorder "[MeSH Terms] OR depress* [tiab] OR melancholia [tiab]) AND (" hypericum "[MeSH Terms] OR hypericum [tiab] OR st johns wort [tiab] OR st. john's wort [tiab]) AND (" serotonin uptake inhibitors "[MeSH Terms] OR serotonin uptake inhibitor* [tiab] OR serotonin reuptake inhibitor* [tiab] OR 5-HT uptake inhibitor* [tiab] OR SSRI [tiab])	114
#3	...	>	Search: (" consciousness disorders "[MeSH Terms] OR " depression "[MeSH Terms] OR " depressive disorder "[MeSH Terms]) AND " hypericum "[MeSH Terms] AND " serotonin uptake inhibitors "[MeSH Terms]	38
#2	...	>	Search: depression (hypericum OR st johns wort OR " st. john's wort ") serotonin uptake inhibitors	113

Re-use performed searches I: Select «Actions»

History and Search Details

Search	Actions	Details	Query
#4	⋮		"consciousne ion"[MeSH T ess*[tiab] OR OR hypericum b]) AND ("ser serotonin uptake inhi [tiab] OR 5-HT uptak



#3	⋮		"consciousne ion"[MeSH T hypericum"[M s"[MeSH Ter
----	---	--	--



History and Search Details

Download

Search	Actions	Details	Query	Results
#5	⋮	>	Search: (("consciousness disorders"[MeSH Terms] OR "depression"[MeSH Terms] OR "depressive disorder"[MeSH Terms] OR depress*[tiab] OR melancholia[tiab]) AND ("hypericum"[MeSH Terms] OR hypericum[tiab] OR st johns wort[tiab] OR st. john's wort[tiab]) AND ("serotonin uptake inhibitors"[MeSH Terms] OR serotonin uptake inhibitor*[tiab] OR serotonin reuptake inhibitor*[tiab] OR 5-HT uptake inhibitor*[tiab] OR SSRI[tiab])) NOT (("consciousness disorders"[MeSH Terms] OR "depression"[MeSH Terms] OR "depressive disorder"[MeSH Terms]) AND "hypericum"[MeSH Terms] AND "serotonin uptake inhibitors"[MeSH Terms])	76

Re-use searches performed II: Combine search line numbers

Query box

#2 AND #4

Add to History

History and Search Details Download

Search	Actions	Details	Query	Results
#6	...	>	Search: #2 AND #4	72
#5	...	>	Search: (("consciousness disorders"[MeSH Terms] OR "depression"[MeSH Terms] OR "depressive disorder"[MeSH Terms] OR depress*[tiab] OR melancholia[tiab]) AND ("hypericum"[MeSH Terms] OR hypericum[tiab] OR st johns wort[tiab] OR st. john's wort[tiab]) AND ("serotonin uptake inhibitors"[MeSH Terms] OR serotonin uptake inhibitor*[tiab] OR serotonin reuptake inhibitor*[tiab] OR 5-HT uptake inhibitor*[tiab] OR SSRI[tiab])) NOT (("consciousness disorders"[MeSH Terms] OR "depression"[MeSH Terms] OR "depressive disorder"[MeSH Terms]) AND "hypericum"[MeSH Terms] AND "serotonin uptake inhibitors"[MeSH Terms])	76

Use NOT to compare strategies

- With NOT you can compare two searches you have performed - what is the difference between them?
- In the screenshot:
 - with #23 NOT #25 you can check which items you will miss if you use search #25 instead of search #23.
 - If you find relevant articles, then you should rather continue working on strategy #23...

Search	Actions	Details	Query	Results
#26	...	>	Search: #23 NOT #25	95,977
#23	...	>	Search: "Depressive Disorder"[Mesh] OR "Depression"[Mesh] OR depress*[tiab] OR melancholia[tiab]	496,171
#25	...	>	Search: "Depressive Disorder"[Mesh] OR "Depression"[Mesh] OR depression*[tiab] OR melancholia[tiab]	400,194

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Daily administration of low-dose aspirin has proved to be beneficial in preventing recurrent cardiovascular events. However, the role of aspirin for primary prevention in patients with no overt cardiovascular disease is more controversial. In fact, in lower risk patients, the modest benefit in reducing serious vascular events can be offset by the increased risk of bleeding, including intracranial and gastrointestinal hemorrhage. Diabetes mellitus has been associated with a substantially increased risk of both first and recurrent atherothrombotic events, which makes aspirin therapy of potential value in these subjects. Moving from general aspects of aspirin pharmacology and specific issues in diabetes mellitus, this article reviews the literature on the topic of aspirin for primary prevention in general, and in subjects with diabetes mellitus in particular, to culminate with arguments pro and con and a practical risk-based algorithm for aspirin initiation in daily practice.

Keywords: acetylsalicylic acid; aspirin; diabetes mellitus; primary prevention.

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