

Literature search

WORKSHOP 1: How to Design and Publish Your Research Idea

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Outline

- Sources of information;
- Searching techniques;
- Building a search strategy;
- Assessing search results for relevance and reliability;
- Handling search results.

Sources of information

Bibliographic databases:**general (Scopus, Web of Science, Dimensions, SCIndexs) and specialist (MEDLINE, Embase, Cochrane Library)****Advantages**

- normalized metadata;
- author's keywords + terms from controlled vocabularies;
- advanced search;
- refinement filters;
- search history;
- saving search queries;
- exporting search results.

Disadvantages

- limited coverage;
- no full-text
- access costs (Scopus, WoS, Embase, Cochrane Library)

Full-text databases (publishers' platforms) and individual journals

- full-text search

- limited coverage;
- limited search options;
- it is not always possible to export search results.

Search engines: EBSCO Discovery

- search across multiple sources

- varying metadata quality in the covered sources
- searching is not always straightforward.

Search engines: Google Scholar


- wide coverage

- coverage is not systematic;
- not suitable for structured searching.

Repositories and aggregators

- content beyond journal articles
- content in local languages
- full-text search (repositories).

- limited coverage
- not suitable for structured searching.



PubMed

PubMed comprises more than 28 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.

Using PubMed	PubMed Tools	More Resources
PubMed Quick Start Guide	PubMed Mobile	MeSH Database
Full Text Articles	Single Citation Matcher	Journals in NCBI Databases
PubMed FAQs	Batch Citation Matcher	Clinical Trials
PubMed Tutorials	Clinical Queries	E-Utilities (API)
New and Noteworthy	Topic-Specific Queries	LinkOut

Latest Literature	Trending Articles
New articles from highly accessed journals	PubMed records with recent increases in activity
Blood (2)	Dietary fiber intervention on gut microbiota composition in healthy adults: a systematic review and meta-analysis.
Cochrane Database Syst Rev (10)	

PubMed

Tutorials

- <https://www.nlm.nih.gov/bsd/disted/pubmedtutorial/cover.html>
- [Conducting a literature search using PubMed](#)
- [Basic Searching in PubMed](#)
- [Searching PubMed Like an Expert: Selecting Keywords](#)
- [How to combine search lines in PubMed](#)
- [Searching PubMed Like An Expert: Using AND and OR; Finding Highly Related Articles](#)
- [Searching PubMed Like an Expert: Using MeSH Terms](#)
- [Creating a systematic review search in Pubmed](#)
- [Save Searches and Set E-mail Alerts](#)

- **search engine** relying on multiple bibliographic databases (primarily MEDLINE);
- provided by the National Center for Biotechnology Information (NCBI);
- abstract-level metadata with links to full text;
- more than 29 million records, since 1966 (some resources back to 1809) and more than 14 million links to full text, nearly 4 million free-to-read.
- Free (no subscription);

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



ELSEVIER

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- Journal coverage from 1947
- More than 32 million records (including MEDLINE titles)
- Nearly 3000 journals indexed in Embase only
- More than two million conference abstracts (from 2009)
- Subscription-based, not available through the KoBSON subscription

7 Days Access	30 Days Access	Annual Subscription
For Individuals	For Individuals	For Organizations
PERFECT TO GIVE EMBASE A TRY	IDEAL FOR A SINGLE SYSTEMATIC REVIEW	UNLIMITED ACCESS FOR ORGANIZATIONS
See how comprehensive and up-to-date biomedical information supports your research.	Prepare a single systematic review or assess a product's safety and uniqueness.	Ensure effective pharmacovigilance and high-quality systematic reviews.
Add to Cart	Add to Cart	Contact Sales
<ul style="list-style-type: none"> • One user • Access to Embase.com • Search > 32 million abstracts and indexes • Search > 2.3 million conference abstracts • Search using Emtree: > 75,000 preferred terms. 32,000 for drugs and chemicals and over 3,000 for medical devices • 0 email alerts • Unlimited saved searches 	<ul style="list-style-type: none"> • One user • Access to Embase.com • Search > 32 million abstracts and indexes • Search > 2.3 million conference abstracts • Search using Emtree: > 75,000 preferred terms. 32,000 for drugs and chemicals and over 3,000 for medical devices • 5 email alerts • Unlimited saved searches 	<ul style="list-style-type: none"> • Multi-user access • Access to Embase.com • Search > 32 million abstracts and indexes • Search > 2.3 million conference abstracts • Search using Emtree: > 75,000 preferred terms. 32,000 for drugs and chemicals and over 3,000 for medical devices • Unlimited email alerts • Unlimited saved searches
\$750	\$1,500	Price depends on company size and usage
Add to Cart	Add to Cart	Contact Sales

Filter your results

Year

Year first published

2019 12685

2018 91670

2017 118052

2016 112272

2015 93749

Custom Range:

to [Apply](#) [Clear](#)

Date

Date added to CENTRAL trials database

The last 3 months 225749

The last 6 months 247508

The last 9 months 268609

Cochrane Reviews 7993 [Cochrane Protocols](#) 2432 [Trials](#) 1534937 [Editorials](#) 126 [Special collections](#) 26 [Clinical Answers](#) 1944 [More](#)

1534937 Trials matching * in All Text

[Cochrane Central Register of Controlled Trials](#)

Issue 5 of 12, May 2019

☐ [Select all \(1534937\)](#) [Export selected citation\(s\)](#)

Order by [Relevancy](#)

Results per page [25](#)

- ☐ [Classical homeopathic therapy of neurodermitis](#)
J Siebenwirth, J Rakoski
Der hautarzt; zeitschrift für dermatologie, venerologie, und verwandte gebiete, 1997, 48(Suppl), S22 | added to CENTRAL: 31 October 2009 | 2009 Issue 4
- ☐ [Effects of transcranial magnetic stimulation on anterior pituitary gland hormones and cortisol](#)
H Masur, AC Ludolph, E Hilken, H Dalf, M Dalf, H Dalf, H Dalf, H Dalf
Electroencephalogr-clin
- ☐ [Clinical observation inserted by acupuncture](#)
DB Sun
Shanghai journal of acu
2009 Issue 4

Advanced Search

[Search](#) [Search manager](#) [Medical terms \(MeSH\)](#)

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

Did you know you can now select fields from Search manager using the [S](#) button (next to the search box)?

Search manager lets you add unlimited search lines, view results per line and access the MeSH browser using the new [MeSH](#) button.

Title Abstract Keyword "ischaemic stroke"

AND Title Abstract Keyword magnetic stimul*

(Word variations have been searched)



[Search limits](#)

[Send to search manager](#)

[Run search](#)

[Clear all](#)

- Cochrane Database of Systematic Reviews (Cochrane Reviews)
- Cochrane Protocols
- Cochrane Central Register of Controlled Trials (CENTRAL)
- Cochrane Clinical Answers
- Editorials
- Special Collections
- Subscription-based (some content is free), not available through KoBSON Subscription

Document search

Compare sources >

Documents Authors Affiliations Advanced

Search tips ?

Search

Article title, Abstract, Keywords



E.g., "Cognitive architectures" AND robots

> Limit

Reset form

Search Q

Brought to you by
KoBSON - Konzorcijum
biblioteka Srbije za objedinjenu
nabavku

- available through subscription (KoBSON);
- Elsevier's bibliographic and citation database launched in 2004;
- abstract-level metadata with links to full text;
- nearly 70 million records, nearly 23000 serial titles + 15000 books;
- 26% Health sciences, 17% Life sciences (full coverage of MEDLINE).

Scopus

Tutorials

- <https://blog.scopus.com/posts/6-simple-search-tips-lessons-learned-from-the-scopus-webinar>
- [Scopus: search tips to make your research more effective](#)
- [Searching with Scopus](#)
- [Scopus Advanced Search](#)
- [Scopus Database: Save Searches and Create Alerts](#)

<https://www.scopus.com>

Web of Science

Clarivate Analytics

Search

My Tools Search History Marked List

Select a database Web of Science Core Collection Learn More

Basic Search Cited Reference Search Advanced Search + More

Example: oil spill* mediterranean Topic Search

+ Add Another Field | Reset Form

TIMESPAN

All years

From 1996 to 2018

MORE SETTINGS

- Available through subscription
- Bibliographic and citation service currently owned by Clarivate Analytics; enables access to multiple databases;
- abstract-level metadata with links to full text
- since 1900 (KoBSON subscription - since 1996)

Web of Science

- <https://clarivate.libguides.com/woscc/searchtips>

Videos:

- [Web of Science - Search Tips](#)
- [Web of Science - Advanced Search](#)
- [Web of Science - Saving Your Search and Setting Alerts](#)
- https://www.youtube.com/results?search_query=web+of+science+searching

<http://apps.webofknowledge.com/>



Dimensions

- project by Digital Science launched in January 2018;
- basically a bibliographic and citation database which integrates funding data, clinical trials, patents, altmetrics;
- abstract-level with links to full text;
- Freemium: the basic functionalities, including publication search, are free (<https://app.dimensions.ai/discover/publication>);
- The free version is not suitable for complex searches.

<https://www.dimensions.ai>

Help:

<https://dimensions.freshdesk.com/support/t/solutions/folders/23000029956>

Search: basic advanced

texts:
In article titles, abstracts and keywords

In article full-texts

In cited references titles

names:
of article authors

of cited references authors

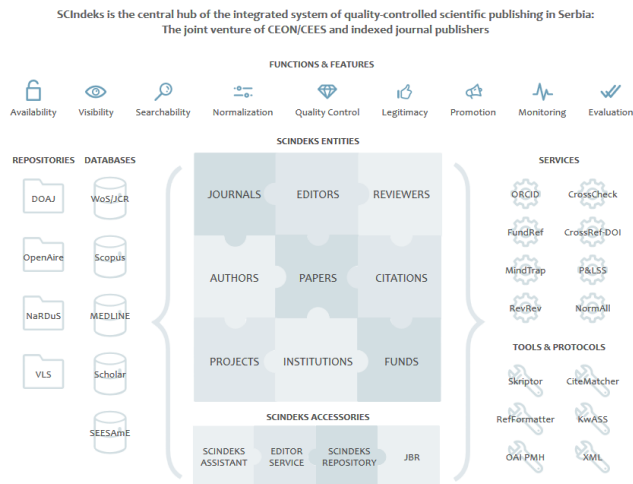
SCIndeks system at a glance

To get the idea about elements, overmouse the icons.

In SCIndeks today

journals indexed: 351
papers indexed: 95,488
total references: 1,404,155
visits in last 24 hrs: 34,153
full text downloads in 24 hrs: 23,847

SCIndeks users mapped



medical and health sciences

journals : 1 - 20 from 48

ABC - časopis urgentne medicine
Acta Facultatis Medicinae Naissensis
Acta medica Mediana
Acta stomatologica Naissi
Aktuelno u praksi: bilten za stručna pitanja u fizičkoj kulturi
Anestezija i intenzivna terapija
Archive of Oncology
Arhiv za farmaciju
Balkan Journal of Dental Medicine
Balkan Journal of Stomatology
Engrami
Exercise and Quality of Life
Facta universitatis - series: Medicine and Biology
Facta universitatis - series: Physical Education
Facta universitatis - series: Physical Education and Sport
Fizička kultura
Glasnik Antropološkog društva Jugoslavije
Glasnik Antropološkog društva Srbije
Glasnik Instituta za štitastu žlezdu i metabolizam "Zlatibor"
Godišnjak Fakulteta sporta i fizičkog vaspitanja

journals : 1 - 20 from 48

medical and health sciences

journals : 41 - 48 from 48

Sestrinska reč
Srpski arhiv za celokupno lekarstvo
Stomatološki glasnik Srbije
Stomatološki informator
Timočki medicinski glasnik
TIMS. Acta
Vojnosanitetski pregled
Zdravstvena zaštita

journals : 41 - 48 from 48

medical and health sciences

journals : 21 - 40 from 48

Hospital Pharmacology - International Multidisciplinary Journal
Inspirum
Journal Resuscitatio Balcanica
Materia medica
Medicinski časopis
Medicinski glasnik Instituta za štitastu žlezdu i metabolizam "Zlatibor"
Medicinski glasnik Specijalne bolnice za bolesti štitaste žlezde i bolesti metabolizma "Zlatibor"
Medicinski podmladak
Medicinski pregled
Medicus
Naučni časopis urgentne medicine - Halo 194
Naučni časopis urgentne medicine - Halo 94
Opšta medicina
PONS - medicinski časopis
Praxis medica
Psihijatrija danas
Racionalna terapija
Sanamed
Serbian Journal of Anesthesia and Intensive Therapy
Serbian Journal of Experimental and Clinical Research

journals : 21 - 40 from 48

- a bibliographic and citation database (as well as a publishing platform)
- More than 40 Serbian journals dealing with medicine and health sciences
- Basic and advanced search

Help: <http://scindeks.ceon.rs/help/en/index.html>

Serbian
Citation Index
SCIndeks

neuropathy	Select a Field (optional) ▼	<div>Search</div> <div>Clear ?</div> <div>+ -</div>
AND ▼	Select a Field (optional) ▼	
AND ▼	Select a Field (optional) ▼	

[Basic Search](#)
[Advanced Search](#)
[Search History](#)

Search Options

Choose a discipline to search

Disciplines ?

- | | | |
|---|--|--|
| <input type="checkbox"/> Agriculture & Agribusiness | <input type="checkbox"/> Consumer Health | <input type="checkbox"/> Information Technology |
| <input type="checkbox"/> Anatomy & Physiology | <input type="checkbox"/> Dance | <input type="checkbox"/> Language & Linguistics |
| <input type="checkbox"/> Anthropology | <input type="checkbox"/> Dentistry | <input type="checkbox"/> Law |
| <input type="checkbox"/> Applied Sciences | <input type="checkbox"/> Diplomacy & International Relations | <input type="checkbox"/> Library & Information Science |
| <input type="checkbox"/> Architecture | <input type="checkbox"/> Drama & Theater Arts | <input type="checkbox"/> Life Sciences |
| <input type="checkbox"/> Arts & Entertainment | <input type="checkbox"/> Earth & Atmospheric Sciences | <input type="checkbox"/> Literature & Writing |

EBSCO Discovery

Available through:

<http://kobson.nb.rs/kobson.82.html>

Tutorials:

http://support.ebsco.com/help/index.php?help_to_pic_id=1361

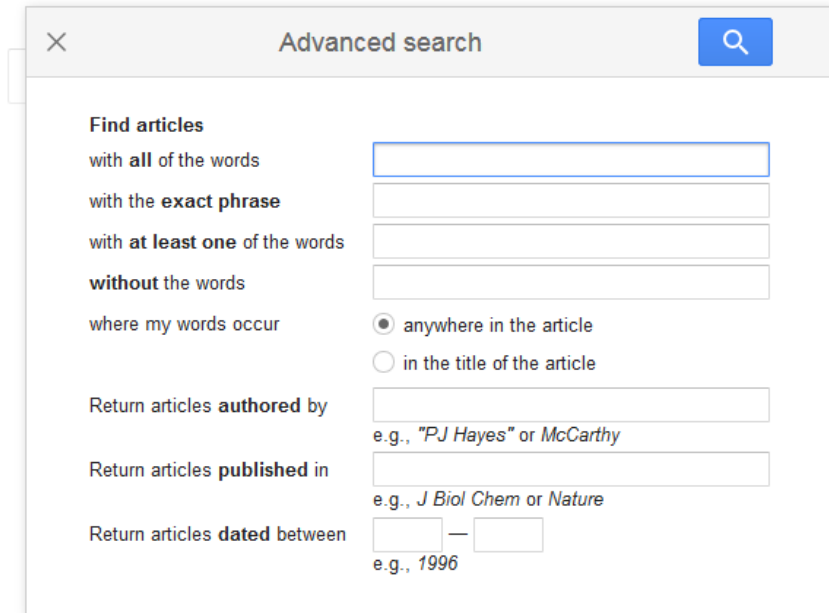
- subscription-based search engine available through KoBSON
- searches all resources subscribed through KoBSON (all publishers) + Open Access resources
- Basic search + Advanced search + filters
- saved searches and alerts

Google Scholar

- search engine;
- does not have a transparent selection policy;
- links to full text;
- searches metadata and full text from Open Access repositories and websites.

Tutorials:

- [Google Scholar: A quick guide to effective searching](#)
- [Using Google's Advanced Search](#)



The screenshot shows the 'Advanced search' window of Google Scholar. It features a search bar at the top with a magnifying glass icon. Below the search bar, there are several sections for refining the search:

- Find articles**
 - with **all** of the words: [text input field]
 - with the **exact phrase**: [text input field]
 - with **at least one** of the words: [text input field]
 - without** the words: [text input field]
- where my words occur**
 - ☒ anywhere in the article
 - ☐ in the title of the article
- Return articles authored by**: [text input field]
e.g., "PJ Hayes" or McCarthy
- Return articles published in**: [text input field]
e.g., J Biol Chem or Nature
- Return articles dated between**: [text input field] — [text input field]
e.g., 1996

Advanced Search

Entire Document	<input checked="" type="checkbox"/>	<input type="text"/>
Title	<input checked="" type="checkbox"/>	<input type="text"/>
Author	<input checked="" type="checkbox"/>	<input type="text"/>
Subject Headings	<input checked="" type="checkbox"/>	<input type="text"/>
DOI	<input checked="" type="checkbox"/>	<input type="text"/>
(Part of) URL	<input checked="" type="checkbox"/>	<input type="text"/>
10 Hits pro page	<input checked="" type="checkbox"/>	<input type="checkbox"/> Boost open access documents

Access

☒ Open Access
 ☐ Non-Open Access
 ☐ Unknown

Linguistic tools

Document Type

- ☒ **All**
- ☒ **Text**
 - ☒ Book
 - ☐ Book part
 - ☒ Journal/Newspaper
 - ☐ Article contribution
 - ☐ Other non-article
 - ☒ Conference object
 - ☒ Report
 - ☒ Review
 - ☒ Course material
 - ☒ Lecture
 - ☒ Manuscript
 - ☒ Patent
 - ☒ Thesis
 - ☐ Bachelor thesis
 - ☐ Master thesis
 - ☐ Doctoral and postdoctoral thesis
- ☒ **Musical notation**
- ☒ **Image/Video**
 - ☐ Still image
 - ☐ Moving image/Video
- ☒ **Software**
- ☒ **Dataset**
- ☒ **Unknown**
- ☒ **Map**
- ☒ **Audio**

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Search scholarly works



[Advanced Search](#)

PUBLICATIONS



PREPRINTS



SOURCES



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Advanced Search Options

Browse by author name ("Author name starts with...").

Find ETDs with:

All of these words in any field

☒ And / ☐ Or

Any of these words in any field

☒ And / ☐ Or

This exact phrase in any field

☒ And / ☐ Or

None of these words in any field

Written in any language Published in any country Earliest date Latest date

Sorted by Relevance

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Results per page: 30

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Access to **767,200** open access research theses from **613** Universities in **28** European countries

Enter term(s)

Latest additions to the Portal

View records for today

[A digitális média társadalmi erőforrások politikai gazdaságai és geopolitikai szerkezetét, ideológiai köznevelési és szabad tartományait](#)
Nany, Marlon Pal, (2018) Added 17 May 2018

[A Trubadur dráma](#)
Szilágyi Annamária, (2010) Added 17 May 2018

[Aeromine associant plantes hyperaccumulatrices de nickel et légumineuse, comme service écosystémique des sols ultramafiques. Assessment of ecosystem services rendered by aeromining of nickeliferous soils : testing the association of leguminous and hyperaccumulator plants](#)
Saad, Ramez, (2017) Added 17 May 2018

[An evaluation of the quality of improvement potential of computer assisted screening technology within a cervical cancer screening programme](#)
NUTTALL, DAVID SAMUEL, (2018) Added 17 May 2018

[An Exploration of Children's Literature and Death 1890-2010](#)
JACKSON, MARGARET JANE, (2018) Added 17 May 2018

[Belend Pierrót Csodaországban. A Hollywoodi Reneszansz \(1965-1967-1975\) formatoriente és európai hatáskapcsolat](#)
Papai Zsolt, (2009) Added 17 May 2018

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4. [Can Chinese legislation on informational privacy benefit from European experience?](#)

<http://www.dart-europe.eu>

Searching techniques

Types of search

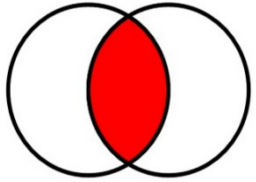
Basic/Simple search – one or more search terms are entered in the search field (unstructured query).

Advanced search or Expert search – multiple search criteria are combined using multiple search fields and operators; complex query relaying on field tags, Boolean and proximity operators, phrase searching and truncation.

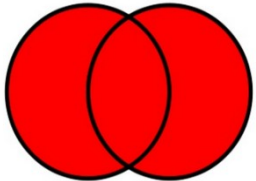
Advanced search

- Structured databases should be searched using structured queries;
- Boolean operators, proximity operators, truncation, terms enclosed in double quotation marks;
- Limiting search to specific fields of metadata;
- Refinement filters;
- Search history and saved searches.

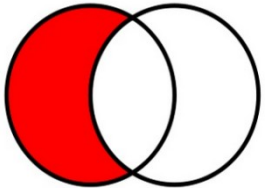
Boolean operators



AND both terms must be found in each item. Narrows the search.



OR either term (or both) must be found in returned documents. Broadens the search.



NOT or **AND NOT** (depending on the search engine) – the first term is searched, then any records containing the term after the NOT operator are subtracted from the results. Narrows the search.

Proximity operators

- A character or word used to limit search results to those in which search terms are placed within a specific number of words in the content.

Scopus

- w/x, e.g. TITLE-ABS-KEY (transcranial W/5 stimulation)
- PRE/x, e.g. TITLE-ABS-KEY (e.g. transcranial PRE/3 stimulation)

Web of Science

- NEAR/x, e.g. TS=(transcranial NEAR/4 stimulation)
- Not supported in PubMed

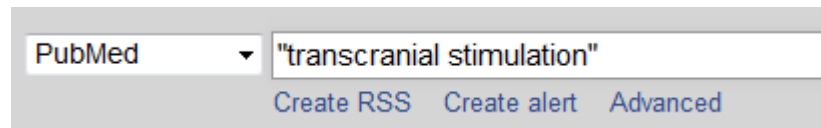
Truncation

- Broadening search to include various word endings: *cerebrovascular** searches for *cerebrovascular, cerebrovascularisation, cerebrovascularization, cerebrovascularly*
- Truncation symbol *
- To be applied with caution, as it may result in an excessive number of irrelevant variants, esp. if the root of the word is short or common.
- PubMed searches for the first 600 variations and some relevant variants may be omitted.
- PubMed supports only right-hand truncation.
- Web of Science and Scopus support both left- and right-hand truncation.

stroke OR stroke' OR stroke" OR stroke's OR stroke, OR stroke119 OR stroke123 OR stroke2 OR stroke2000 OR stroke2010 OR stroke34 OR stroke4carers OR stroke's OR strokea OR strokeaetiology OR strokeaha OR strokeand OR strokebeijing OR strokecarecontents OR strokecenter OR strokecentre OR strokechecklist OR strokeclose OR strokect OR strokectacomputed OR strokectcomputed OR strokectomy OR stroked OR strokedepartment OR strokedepressive OR strokedged OR strokediagnostics OR strokedoc OR strokedrabbade OR strokeearly OR strokeed OR strokeelicited OR strokeenh OR strokeenheten OR strokefall OR strokefobreybyggande OR strokefoundation OR strokefree OR strokefrom OR strokehip OR strokein OR strokeinduced OR strokelets OR stroke-like OR stroke-link OR stroke-located OR stroke-mercis OR stroke-methods OR stroke-mobile OR stroke-n OR stroke-national OR stroke-net OR stroke-engine OR stroke-engine's OR stroke-nomics OR stroke-nomics' OR stroke-patient OR stroke-patients OR stroke-pharmacogenomics OR stroke-plane OR stroke-prevention OR stroke-prophylax OR stroke-prophylaxen OR stroke-project OR stroke-prone OR stroke-r OR stroke-rehab OR stroke-rehabilitation OR stroke-rehabilitating OR stroke-risk OR stroke-rs OR stroke-rwin OR stroke-s OR stroke-s' OR stroke-s1 OR stroke-safe OR stroke-sand OR stroke-sektionen OR stroke-sfuture OR stroke-sich OR stroke-skydd OR stroke-smin OR stroke-stop OR stroke-str OR stroke-study OR stroke-three OR stroke-tool OR stroke-trials OR stroke-un OR stroke-unit OR stroke-van OR stroke-var OR stroke-varden OR stroke-venia OR stroke-vision OR stroke-volume OR stroke-volume-don OR stroke-volumes OR stroke-width OR stroke-work OR stroke-zero

Searching for a specific phrase

- Enclose the search string in “” to search for a specific phrase
- Supported in most search engines
- In PubMed, double quotation marks are used even with single-word terms to avoid term mapping.



PubMed ▼ "transcranial stimulation"
Create RSS Create alert Advanced

- ☐ [Improvement in creativity after transcranial random noise stimulation \(tRNS\) over the left dorsolateral prefrontal cortex.](#)
Peña J, Sampedro A, Ibarretxe-Bilbao N, Zubiaurre-Elorza L, Ojeda N.
Sci Rep. 2019 May 8;9(1):7116. doi: 10.1038/s41598-019-43626-4.
PMID: 31068654 [Free Article](#)
[Similar articles](#)
- ☐ [Interest of transcranial stimulation in pelvic and perineal disorders.](#)
Vacher P, Charlanes A, Chesnel C, Pagès A, Malot C, Le Breton F, Amarenco G, Manceau P.
Prog Urol. 2019 Apr 26. pii: S1166-7087(19)30077-6. doi: 10.1016/j.purol.2019.03.001. [Epub ahead of print] French.
PMID: 31036483
[Similar articles](#)
- ☐ [Intermittent theta burst stimulation enhances upper limb motor function in patients with chronic stroke: a pilot randomized controlled trial.](#)
Chen YJ, Huang YZ, Chen CY, Chen CL, Chen HC, Wu CY, Lin KC, Chang TL.
BMC Neurol. 2019 Apr 25;19(1):69. doi: 10.1186/s12883-019-1302-x.
PMID: 31023258 [Free PMC Article](#)
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- ☐ [Uncertainty Modulates the Effect of Transcranial Stimulation Over the Right Dorsolateral Prefrontal Cortex on Decision-Making Under Threat.](#)
Pan J, Zhu C, Li J.
Front Neurosci. 2019 Apr 2;13:305. doi: 10.3389/fnins.2019.00305. eCollection 2019.
PMID: 31001076 [Free PMC Article](#)
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Terms from controlled vocabularies

- In bibliographic databases, the metadata describing publications are enriched with terms from controlled vocabularies;
- In PubMed, MeSH terms are used.

PubMed adds MeSH terms to the query:

neuropathy treatment

is automatically translated in PubMed as

neuropathy[All Fields] AND ("therapy"[Subheading]
OR "therapy"[All Fields] OR "treatment"[All Fields]
OR "therapeutics"[MeSH Terms] OR
"therapeutics"[All Fields]

MeSH Terms [MH]

The NLM [Medical Subject Headings](#) controlled vocabulary of biomedical terms that is used to describe the subject of each journal article in MEDLINE. MeSH contains approximately 26 thousand terms and is updated annually to reflect changes in medicine and medical terminology. MeSH terms are arranged hierarchically by subject categories with more specific terms arranged beneath broader terms. PubMed allows you to view this hierarchy and select terms for searching in the [MeSH Database](#).

Medical Subject Headings 2019

The files are updated each week day Monday-Friday by 8AM EST

FullWord

Exact Match

All Fragments

Any Fragment

- All Terms

Main Heading (Descriptor) Terms

Qualifier Terms

Supplementary Concept Record Terms

MeSH Unique ID

Search in all Supplementary Concept Record Fields

Heading Mapped To

Indexing Information

Pharmacological Action

Search Related Registry and CAS Registry/EC Number/UNI Code (RN)

Related Registry Search

CAS Registry/EC Number/UNI Code (RII)

Search in all Free Text Fields

Annotation

Scopelote

SCR Note

Sort by:

Relevance

Results per Page:

20

Pain MeSH Descriptor Data 2019

- Details
- Qualifiers
- MeSH Tree Structures
- Concepts

MeSH Heading	Pain
Tree Number(s)	C23.888.592.612 F02.830.816.444 G11.561.790.444
Unique ID	D010146
Annotation	general; note specifics including precoordinated locational pain terms like ABDOMINAL PAIN; CHEST PAIN, etc.; / diag: consider also PAIN MEASUREMENT but PAIN / diag is probably PAIN / etiol; / physiopathot: PAIN THRESHOLD is also available; congenital absence of pain = PAIN SENSITIVITY; CONGENITAL; differentiate from PAIN PERCEPTION which takes place in the brain
Scope Note	An unpleasant sensation induced by noxious stimuli which are detected by NERVE ENDINGS of NOCICEPTIVE NEURONS.
Entry Term(s)	Ache Pain, Burning Pain, Crushing Pain, Migratory Pain, Radiating Pain, Splitting Suffering, Physical
See Also	Analgesia Analgesics Hyperalgesia Pain Insensitivity, Congenital Palliative Care
Entry Combination	therapy:Pain Management
Date Established	1966/01/01
Date of Entry	1999/01/01
Revision Date	2017/06/20

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- Neuromuscular Manifestations [C23.888.592.608] +
- Orthostatic Intolerance [C23.888.592.610]
- Pain [C23.888.592.612] -
- Abdominal Pain [C23.888.592.612.054] +
- Acute Pain [C23.888.592.612.081]
- Arthralgia [C23.888.592.612.094] +
- Back Pain [C23.888.592.612.107] +
- Breakthrough Pain [C23.888.592.612.191]
- Cancer Pain [C23.888.592.612.212]
- Chest Pain [C23.888.592.612.233] +
- Chronic Pain [C23.888.592.612.274]
- Earache [C23.888.592.612.302]
- Eye Pain [C23.888.592.612.316]
- Facial Pain [C23.888.592.612.330] +
- Flank Pain [C23.888.592.612.386]
- Glossalgia [C23.888.592.612.414]
- Headache [C23.888.592.612.441] +
- Labor Pain [C23.888.592.612.451]
- Mastodynia [C23.888.592.612.530]
- Metatarsalgia [C23.888.592.612.540] +
- Musculoskeletal Pain [C23.888.592.612.547] +
- Neck Pain [C23.888.592.612.553]
- Neuralgia [C23.888.592.612.664] +
- Nociceptive Pain [C23.888.592.612.720] +
- Pain, Intractable [C23.888.592.612.776]
- Pain, Postoperative [C23.888.592.612.832] +
- Pain, Procedural [C23.888.592.612.860]
- Pain, Referred [C23.888.592.612.888]
- Pelvic Pain [C23.888.592.612.944] +
- Renal Colic [C23.888.592.612.972]
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- Paresis [C23.888.592.643] +

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1. Sadowski A, Houck RC.
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2018 Apr 24.

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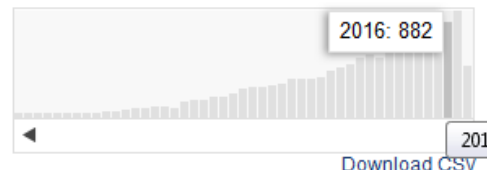
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Find items

- Unlike Scopus and the Web of Science, PubMed filters do not support the “exclude” option.

Building a search strategy

- Formulating the (answerable) research question;
- Identifying the key concepts;
- Developing search terms (free-text terms and controlled-vocabulary terms);
- Performing the search using advanced search techniques.

Formulating the question

Various models for clinical questions

- PICO (Patient, Population; Intervention (or Exposure); Comparison (or Control); Outcome) – for quantitative studies;
- SPICE (Setting, Perspective, Intervention, Comparison, Evaluation) – for qualitative studies;
- SPIDER (Sample, Phenomenon of Interest, Design, Evaluation, Research type) – for qualitative and mixed studies;
- PEO (Population and their problems, Exposure, Outcomes)
- Useful but not necessary. A simple concept table identifying the key concepts may also be used.

PICO model

Question: How does the utilization of non-pharmacologic pain management techniques affect pain outcomes in pediatric patients during acute procedures?

Population	Pediatric patients undergoing acute painful procedures
Intervention	Non-pharmacologic pain management such as cold and vibration.
Comparison	Procedures preformed with no pain intervention
Outcome	Decreased acute procedure related pain and stress

Source: https://www.pennstatehershey.org/documents/1699942/10895543/GN2015July_PedsNonPharmPain/

Concept table

Is animal-assisted therapy more effective than music therapy in managing aggressive behaviour in elderly people with dementia?

Concept 1	Concept 2	Concept 3	Concept 4
Dementia	Animal-assisted therapy	Music therapy	Aggressive behaviour

Source:

<https://utas.libguides.com/SystematicReviews/PhrasesWildcardsProximity>

Concept 1	Concept 2	Concept 3	Concept 4
Dementia [tw] Alzheimer [tw] Huntington* [tw] Kluver [tw] Lewy [tw] Dementia [mh]	Animal-assisted therapy [tw] Animal-assisted activit* [tw] Animal-assisted intervention* [tw] Animal therapy [tw] Pet therapy [tw] Dog therapy [tw]] Dog-assisted therapy [tw] Canine-assisted therapy [tw] Pet-facilitated therapy [tw] Aquarium [tw] Animal Assisted Therapy [mh:noexp] Pets [mh] Dogs [mh] Cats [mh] Birds [mh:noexp] Bonding, Human-Pet [mh] Animals, Domestic [mh:noexp]	Music therapy [tw] Music* [tw] Singing [tw] Sing [tw] Auditory stimulat* [tw] Music [mh] Music Therapy [mh] Acoustic Stimulation [mh] Singing [mh]	Aggression [tw] Neuropsychiatric [tw] Apathy inventory [tw] Cornell scale [tw] Cohen Mansfield [tw] BEHAVE-AD [tw] CERAD-BRSD [tw] Behavior* [tw] Behaviour* [tw] Aggression [mh] Personality inventory [mh] Psychomotor agitation [mh]

Searching

- Perform a separate search for each concept using the identified terms;
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- Combine the searches using search history;
- Individual searchers are connected with the operator AND;
- Refine your search using filters. Try to use filters as little as possible (make refinements part of your search strategy).

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#28	Add	Search cerebrovascular insult*[All Fields] OR cerebral vascular insult*[All Fields] OR cerebrovascular accident*[All Fields] OR cerebral vascular accident* [All Fields] OR brain attack* [All Fields] OR hemorrhagic stroke*[All Fields] OR ischemic stroke*[All Fields] OR stroke [All Fields] OR strokes [All Fields] OR cva [All Fields] OR CVAs[All Fields] OR stroke[MeSH Terms]	310916	16:41:37
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Assessing search results for relevance and reliability

Assessing search results

- Different approaches, depending on the purpose of search

Users:

- Prefer recent publications;
- Focus on the first page of results;
- Assess relevance based on titles;
- Take into account the authors' and journal's prestige.

Assessing search results

- Assess the relevance to your research problem (e.g. by screening titles for the PICO elements or concepts from the concept table).
- Test the strengths and weaknesses of methods used and arguments presented.
- Check the relationship to other studies.

Also:

- check where the retrieved articles have been cited (and in which context);
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Data fabrication and other reasons for non-random sampling in 5087 randomised, controlled trials in anaesthetic and general medical journals

Anaesthesia (2017) - 7 Comments
pubmed: 28580651 doi: 10.1111/anae.13938 issn: 1365-2044 issn: 0003-2409

J. B. Carlisle

Department of Anaesthesia, Peri-operative Medicine and Intensive Care, Torbay Hospital, UK.

#1 Unregistered Submission commented 2 years ago

Some discussion here:

<http://steamtraen.blogspot.fr/2017/06/exploring-john-carlises-bombshell.html>

In my humble and inexperienced opinion, the problem of correlations between variables seems quite as their existence could cause combined p-values to be erroneously extreme, increasing false positive of possible correlations would involve consideration of the precise nature of each variable and pos knowledge that doesn't exist.

The problem of multiple comparisons seems to have been controlled by choosing a very small p-value and by calibrating the method empirically against papers retracted for known data problems. How calibration can't really guard against the problem of correlated variables, because there is no real : the same variables/correlations would occur in different studies.

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Anaesthesia. 2017 Aug;72(8):944-952. doi: 10.1111/anae.13938. Epub 2017 Jun 4.

7 comments on PubPeer (by: Unregistered Submission, S E McKinney, Jordan Anaya, J. B. Carlisle)

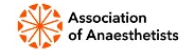
Data fabrication and other reasons for non-random sampling in 5087 randomised, controlled trials in anaesthetic and general medical journals.

tion

esia. 2018]
esia. 2018]

olled trials have been retracted after publication because of data fabrication and inadequate ethical approval. ve included baseline variables, for instance, age, height or weight. Statistical tests can determine the probability of leans, given their standard deviation and the number of participants in each group. Randomised, controlled trials d after the data distributions have been calculated as improbable. Most retracted trials have been written by ublished by specialist anaesthetic journals. I wanted to explore whether the distribution of baseline data in trials

Anaesthesia
Peri-operative medicine, critical care and pain



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Data fabrication and other reasons for non-random sampling in 5087 randomised, controlled trials in anaesthetic and general medical journals

J. B. Carlisle

First published: 04 June 2017 | <https://doi.org/10.1111/anae.13938> |

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This article is accompanied by an editorial by Loadman and McCulloch, Anaesthesia 2017; 72: 931-5. You can respond to this article at <http://www.anaesthesiacorrespondence.com>

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