



دانشگاه علوم پزشکی و خدمات بهداشتی و درمانی البرز
معاونت تحقیقات و فناوری

آشنایی با کتابخانه دیجیتال و جستجو در منابع الکترونیک

گروه هدف: اعضای هیات علمی و پژوهشگران دانشگاه

آذرماه ۱۴۰۲

سوسن شاه خدابنده مسئول کتابخانه مرکزی دانشگاه؛ دانشجوی دکتری علم اطلاعات و دانش شناسی

steps

1. Understand basic database structure
2. Understand Using of
 - Boolean Logic
 - Field Searching
 - Controlled Vocabulary
 - Specialty techniques (truncation, etc.)
3. Formulate your question
4. Building your search strategy

Forget simple search

Simple search

- Very broad
- retrieves thousands of irrelevant files

Advanced search

- Narrowing the search
- Boolean
- Phrase searching
- Field search
- Truncation

Boolean Operators

British mathematician named George Boole (1815-1864)

Standard Boolean Logic for database searching uses 3 relationships among search terms.

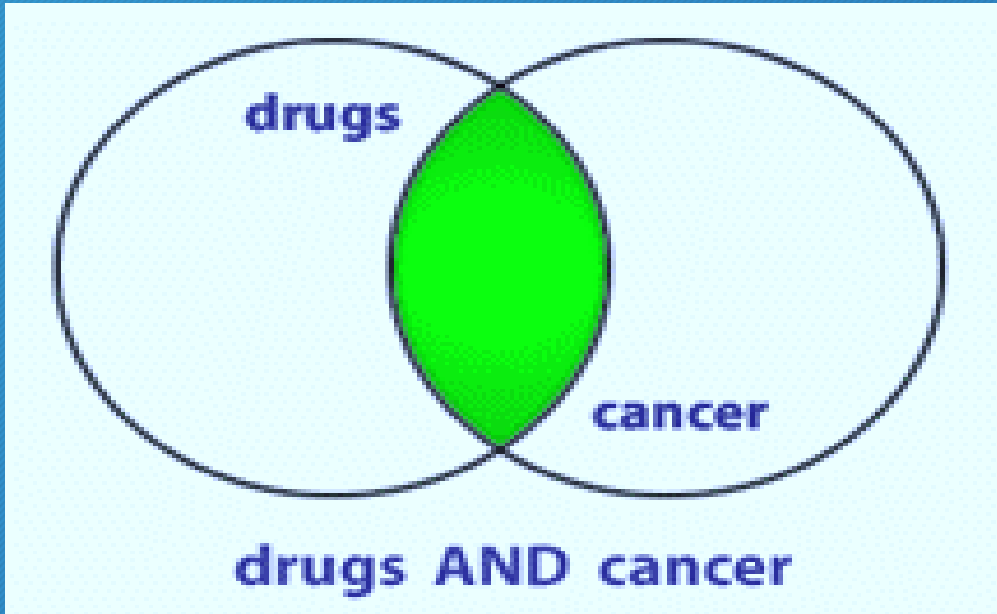
AND

OR

NOT

It is both simple and powerful.

AND

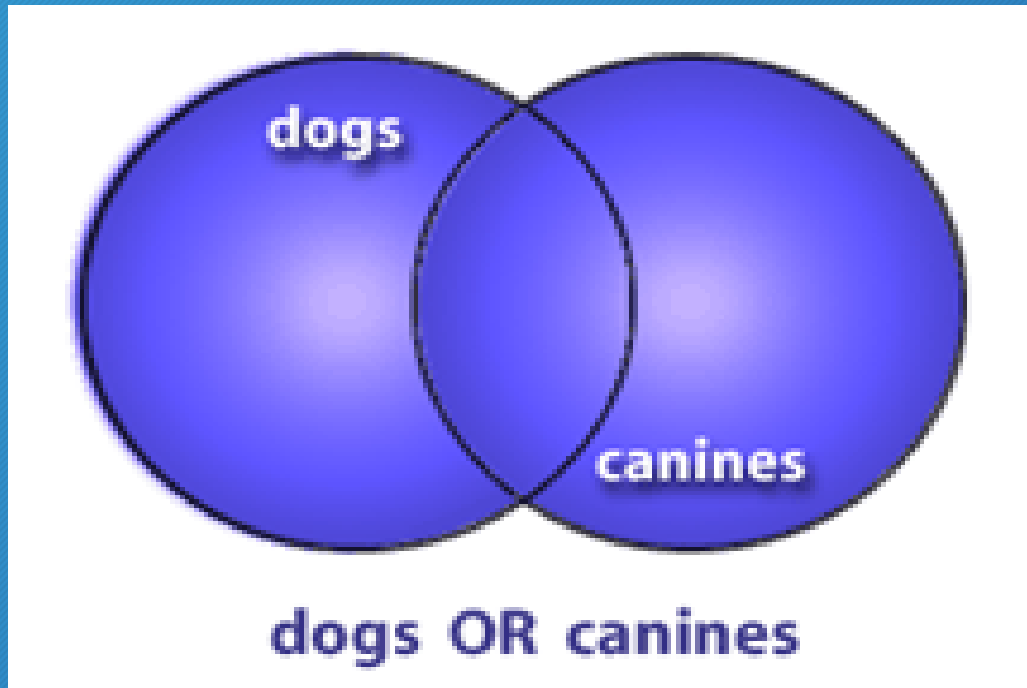


BOTH terms included in any results.

- If a record has only one of the two terms, it will not be retrieved.
- If the record has neither term, it will not be retrieved.

What does this do to the amount of records retrieved?

OR

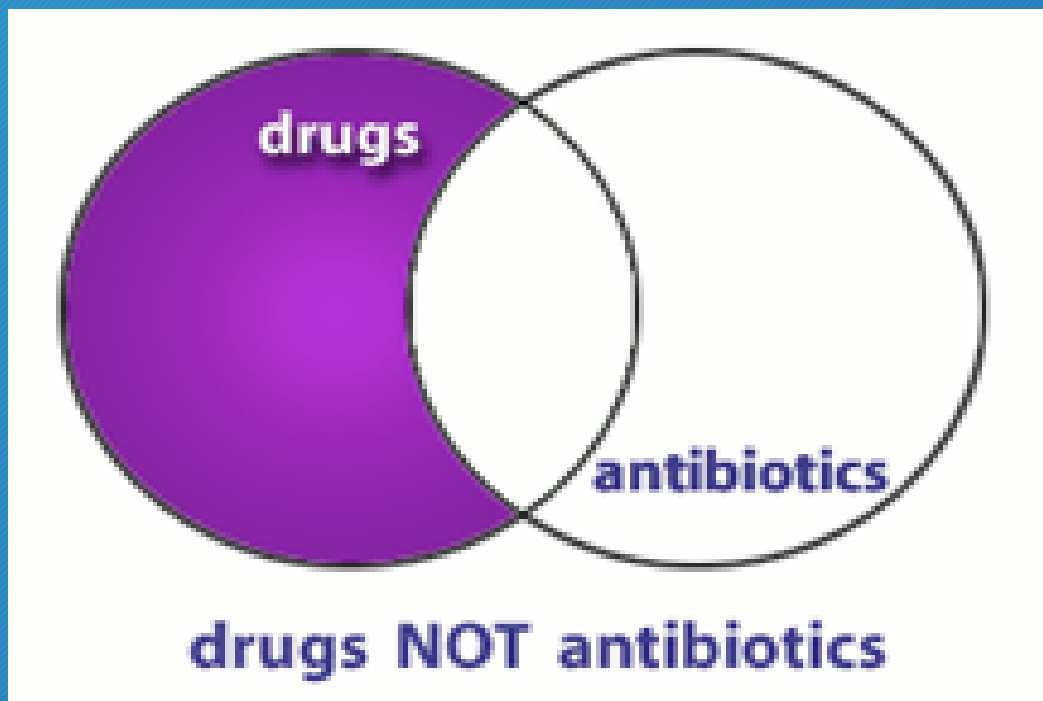


Only one (NOT both) of the terms are in the results

‘OR’ will retrieve the record if both are included.

What does OR do to the amount of records retrieved?

NOT



Excludes any results containing the term

Records containing both will not be retrieved.

What does NOT do to the amount of records retrieved?

Putting Them Together

1. Identify the concepts (Parse the question)
2. List specific terms for each concept
3. Put the terms for each concept in an OR statements within parentheses
4. Combine OR statements with AND
5. Add any NOT statements to the end

• Nesting

salmonella AND hamburger OR eggs •

salmonella AND (hamburger OR eggs) •

Parsing the Question

- What are the main concepts in your question?

Sample question:

Does nutrition therapy improve decubitus (pressure) ulcer healing in an elderly patient?

Concepts:

Nutrition therapy

Decubitus/pressure ulcers

Treatment

Ulcer healing

Elderly patients

Creating a Boolean Search

QUESTION: Is Vitamin C helpful in treating the flu?

1. Identify concepts and list terms

Concept 1 Influenza	Concept 2 Vitamin C	Concept 3 Treatment
Influenza	Vitamin C	Treatment
Flu	Ascorbic acid	Therapy
	Orange Juice	Management

Two very important sources for finding synonyms and related words:

Mesh (PubMed)
Emtree (Embase)

2. Make your OR statements, one per concept

- (influenza OR flu)
- (vitamin C OR ascorbic acid OR ascorbate)
- (treatment OR therapy OR management)

3. Put “AND” between each of the OR statements

(influenza OR flu) AND (vitamin C OR ascorbic acid OR orange juice) AND (treatment OR therapy OR management) AND (outcome OR recovery OR success)

4. Consider any NOT statements you might want to add.

Note: NOT isn't used very often

Final Notes on Fields

- Each database provides its own specific fields
- Each database requires a specific format to designate field searching
- When searching a new database, take a moment to read the help documentation; most will provide a list of fields and how to search them.

Truncation

What about including the singular and plural versions of words as well as other word variations?

For example: **therapy, therapies, therapeutics**

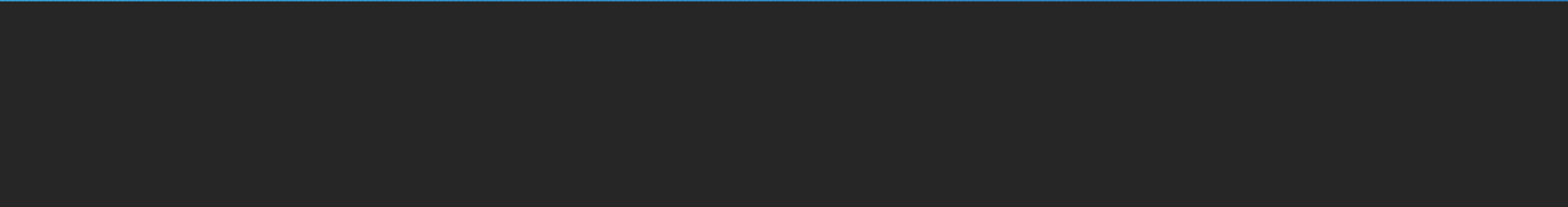
You could combine them all in an OR relationship:
(therapy OR therapies OR therapeutics OR therapeutic)

But an easier way is by the use of truncation.

therap*

Each database handles truncation in a unique way.

The '*' and '\$' are the most common wildcard symbols.



Be cautious when truncating!

If the word stem is too short, there may be too many possible variations and you might pick up unrelated terms.

For example, using **proc*** for finding **procaine-like drugs** will also include words like **proceedings and process**.

Phrase Searching

- Sometimes you want to force the database to search for a set of words in exact order

“fever of unknown origin”

“World health organization”

Most databases will accept a phrase in quotes.

Limits Options

- Many databases provide “limits” pages that make it easier for you to select common options such as language, article type, publication dates, human or animal, gender, age groups, etc.
- Each database’s limits options are unique
- Most limits can be done ‘by hand’ using field tags, but sometimes limit pages save time

PubMed Limits Page

PubMed.gov
US National Library of Medicine
National Institutes of Health

PubMed

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Display Settings: ☒ Summary, 20 per page, Sorted by Recently Added [Send to:](#) ☒

Results: 1 to 20 of 793 [First](#) [Previous](#) **Page 1** of 40 [Next](#) [Last](#) [>>](#)

☐ [Successful Fontan completion after cardiac resynchronization therapy.](#)
1. Enomoto Y, Aoki M, Nakamura Y, Hagino I, Fujiwara T, Nakajima H.
Circulation. 2012 May 15;125(19):e655-8. No abstract available.
PMID: 22586294 [PubMed - indexed for MEDLINE]
[Related citations](#)

☐ [Does initial shunt type for the Norwood procedure affect echocardiographic measures of cardiac size and function during infancy? the Single Ventricle Reconstruction trial.](#)
2. Frommelt PC, Guey LT, Minich LL, Bhat M, Bradley TJ, Colan SD, Ensing G, Gorentz J, Heydarian H, John JB, Lai WW, Levine JC, Mahle WT, Miller SG, Ohye RG, Pearson GD, Shirali GS, Wong PC, Cohen MS; Pediatric Heart Network Investigators.
Circulation. 2012 May 29;125(21):2630-8. Epub 2012 Apr 21.
PMID: 22523314 [PubMed - indexed for MEDLINE]
[Related citations](#)

☐ [Pseudoaneurysm following percutaneous balloon angioplasty for aortic arch recoarctation after the Norwood procedure.](#)
3. Yamanaka K, Yoshimura N, Higuma T, Ichida F.
Gen Thorac Cardiovasc Surg. 2012 May;60(5):305-7. Epub 2012 Mar 28.
PMID: 22453542 [PubMed - indexed for MEDLINE]
[Related citations](#)

☐ [Tricuspid valve repair in single ventricle: timing and techniques.](#)
4. Tsang VT, Raja SG.
Semin Thorac Cardiovasc Surg Pediatr Card Surg Annu. 2012;15(1):61-8. Review.
PMID: 22424509 [PubMed - indexed for MEDLINE]

Text availability
Abstract available
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5 years
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Step-By-Step Search Construction

1. State the question
2. Identify the concepts in the question
3. For each concept, determine keywords and subject terms
4. Specify field tags after terms if needed
5. Combine terms for the same concept with “OR” in parenthesis
6. Combine “OR” statements with AND
7. Put any NOT terms at the end

Keep track of your searches, how many articles were found total, and how many you selected as relevant

Types of Scientific Database

3 type of databases

- Bibliographic databases
- Citation databases
- EBM databases

Bibliographic databases

- A bibliographic database is a database of bibliographic records, an **organized digital collection** of references to published literature, including journal and newspaper articles, conference proceedings, reports, government and legal publications, patents, books, etc.
- A bibliographic database may be **general** in scope or cover a **specific** academic discipline like medical science.

Examples of bibliographic databases

- PubMed
- Embase
- Science Direct
- LitCovid
- Cochrane Library
- Emerald
-

Citation databases

- **Citation databases** compile the citations in the reference lists (bibliographies) of scholarly publications.
- Citation database records also include bibliographic content that identify a publication: article title, journal name, author, abstract, etc.
- **Why use a citation database?**
 - Citation databases enable you to find newer papers that reference a paper or author you already know about. You might want to do this in order to:
 - trace how an idea has been confirmed, applied, extended or corrected in later publications
 - see which other researchers are citing your work or the work of your labmates
 - find citation numbers and metrics to report on job or grant applications, evaluations, etc.

- Three major databases allow interdisciplinary citation searching:

- Web of Science (WoS)
- Scopus
- Google Scholar (Search engine)

- What's the Difference?

- **WoS** covers many fewer journal than Scopus, but it selects only "top tier" journals: those most likely to publish major scholarly papers.
- **Scopus** covers more journals and more international journals than does WoS.
- **Google Scholar** only includes papers if they have online abstracts or full-text. No one knows how much of the scholarly literature they cover. With Google Scholar, you can't know what you are missing.

- **Do you need to identify core articles published before the dawn of the Internet?**

- WoS has full citation data for every paper it indexes back to 1900; Scopus has that data back to 1996. We don't know how far Google Scholar goes back.

- **Do you need accurate citations for your paper's reference list or a bibliography?**

- It's better to use **Web of Science or Scopus**. Citation errors occur in all databases, but Google Scholar's bibliographic information is extracted by robots performing an automated Web search. This system may lead to incorrect identification of bibliographic information, especially if metadata on publisher Web sites is irregular. You may notice citation errors and/or duplicate citations when you search Google Scholar.

- **How do you think the information you need will have been published?**

- **Google Scholar** covers many more types of documents than WoS and Scopus, e.g., dissertations, books, technical reports and more. Google Scholar is great when you are looking for more than journal articles.

EBM databases

- **Filtered resources summarize and appraise evidence from several studies and included systematic reviews, critically appraised topics, evidence-based guidelines and point of care references.**
- UpToDate
- DynaMed Plus
- Cochrane Library - reviews, trials
- Epistemonikos
- EvidenceAlerts
- ACP Journal Club
- TRIP Database - Turning Research into Practice
- Guidelines* (through PubMed, TRIP....)

Documenting a search strategy

The search strategy should be described in sufficient detail in a review that the process could be replicated:

- Title of database searched (e.g. MEDLINE)
- Date search was run (month, day, year)
- Years covered by the search
- Complete search strategy used, including all search terms

Selecting studies

- performing **a comprehensive, objective, and reproducible** search of the literature
- *can be the most time-consuming and challenging task in preparing a systematic review*

Most Important Electronic Databases:

- PubMed
- Web of Science
- Scopus
- Ovid
- Proquest
- Embase
- Cochrane
- Google Scholar
-

8/19/2020

1:16 AM

Main Syntax:

(Thyroid Neoplasm* OR Thyroid Carcinoma* OR Thyroid Cancer* OR Thyroid Adenoma*) AND (Body Mass Index OR BMI OR Quetelet* Index OR Obesity OR Body Weight)

Database	Formula	No. of Results
PubMed	(((((Thyroid Neoplasm*[Title/Abstract] OR Thyroid Carcinoma*[Title/Abstract] OR Thyroid Cancer*[Title/Abstract] OR Thyroid Adenoma*[Title/Abstract] AND (Body Mass Index[Title/Abstract] OR BMI[Title/Abstract] OR <u>Quetelet*</u> Index[Title/Abstract] OR Obesity[Title/Abstract] OR Body Weight[Title/Abstract]))) OR (("Thyroid Neoplasms"[Mesh]) AND (("Obesity"[Mesh]) OR "Body Mass Index"[Mesh])))	904
Scopus	(((TITLE-ABS-KEY (body AND mass AND index) OR TITLE-ABS-KEY (<u>quetelet*</u> AND index) OR TITLE-ABS-KEY (obesity) OR TITLE-ABS-KEY (body AND weight) OR TITLE-ABS-KEY (<u>bmi</u>))) AND ((TITLE-ABS-KEY (thyroid AND neoplasm*) OR TITLE-ABS-KEY (thyroid AND carcinoma*) OR TITLE-ABS-KEY (thyroid AND cancer*) OR TITLE-ABS-KEY (thyroid AND adenoma*))))	3716
Web of Science	TOPIC: ((Thyroid Neoplasm* OR Thyroid Carcinoma* OR Thyroid Cancer* OR Thyroid Adenoma*) AND (Body Mass Index OR <u>Quetelet*</u> Index OR Obesity OR Body Weight)) Timespan: All years. Indexes: SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC.	1247
Ovid	((Thyroid Neoplasm* or Thyroid Carcinoma* or Thyroid Cancer* or Thyroid Adenoma*) and (Body Mass Index or BMI or <u>Quetelet*</u> Index or Obesity or Body Weight)).ab.	704
<u>Embase</u>	('thyroid neoplasm*': <u>ti.ab.kw</u> OR 'thyroid carcinoma*': <u>ti.ab.kw</u> OR 'thyroid cancer*': <u>ti.ab.kw</u> OR 'thyroid adenoma*': <u>ti.ab.kw</u>) AND ('body mass index': <u>ti.ab.kw</u> OR ' <u>bmi</u> ': <u>ti.ab.kw</u> OR ' <u>quetelet*</u> index': <u>ti.ab.kw</u> OR <u>obesity</u> : <u>ti.ab.kw</u> OR 'body weight': <u>ti.ab.kw</u>)	872
No. of results after cleaning and deleting duplicated document		4724

PubMed

Agenda

37

- What is PubMed?
- Using PubMed
 - Searching for an author
 - Researching a topic
 - Finding a specific article
- How to get help

PubMed Overview

- PubMed is a free resource supporting the search and retrieval of biomedical and life sciences literature with the aim of improving health-both globally and personally.
- The PubMed database contains more than 33 million citations and abstracts of biomedical literature. **It does not include full text journal articles;** however, links to the full text are often present when available from other sources, such as the publisher's website or PubMed Central (PMC).
- Available to the public online since 1996, PubMed was developed and is maintained by the National Center for Biotechnology Information (NCBI), at the U.S. National Library of Medicine (NLM), located at the National Institutes of Health (NIH).

PubMed Content

- **MEDLINE**

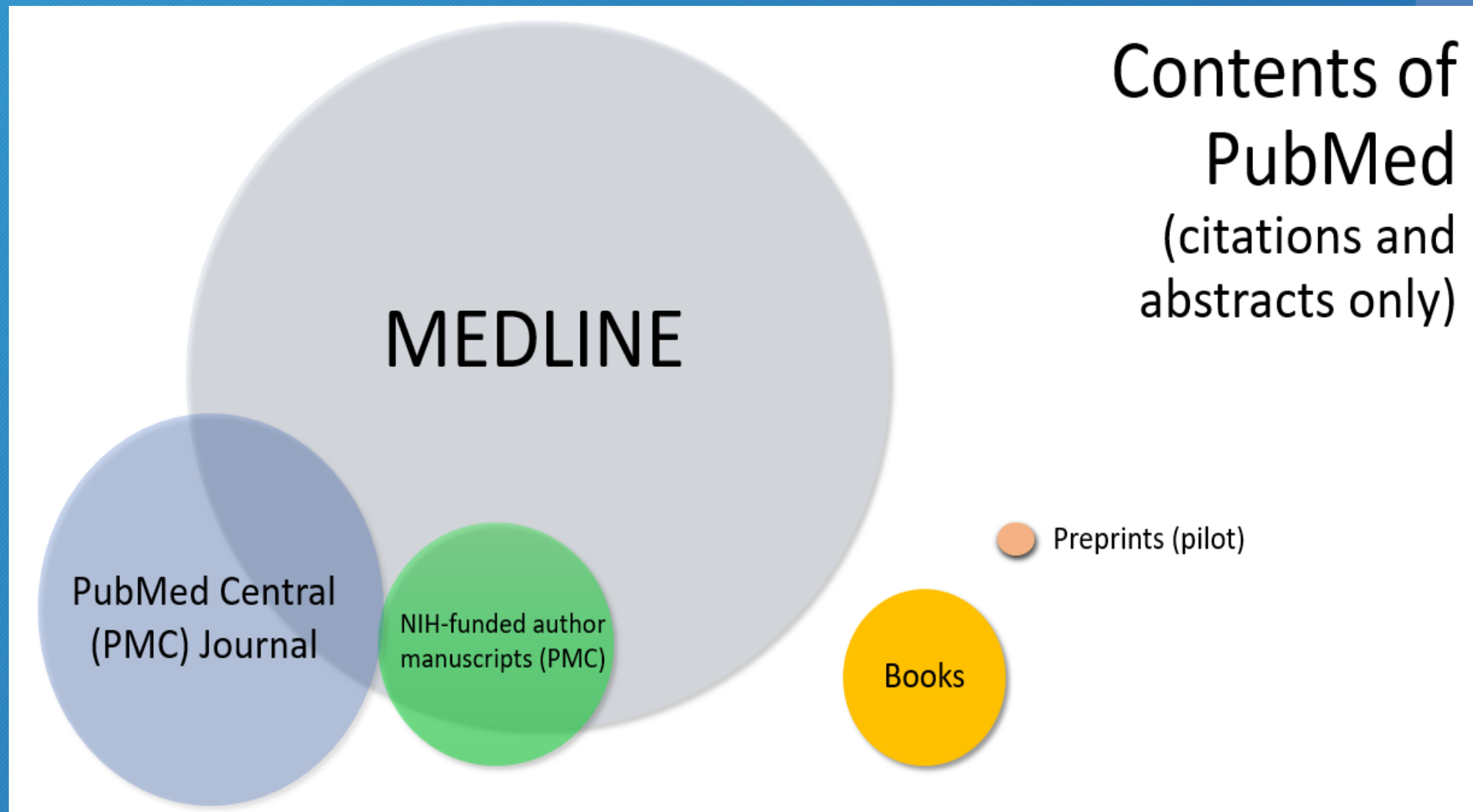
- MEDLINE is the **largest component** of PubMed and consists primarily of citations from journals selected for MEDLINE; articles indexed with MeSH (Medical Subject Headings) and curated with funding, genetic, chemical and other metadata.

- **PubMed Central (PMC)**

- Citations for PubMed Central (PMC) articles make up the second largest component of PubMed.
- PMC is a full text archive that includes articles from journals reviewed and selected by NLM for archiving (current and historical), as well as individual articles collected for archiving in compliance with funder policies.

- **Bookshelf**

- The final component of PubMed is citations for books and some individual chapters available on Bookshelf.
- Bookshelf is a full text archive of books, reports, databases, and other documents related to biomedical, health, and life sciences.



- MESH SLIDES

Where is the Full Text?

42

- Available from the Publisher
 - Full text is not always free
 - Check for access to your institution's subscriptions
- Included in PMC (PubMed Central)
 - Manuscripts deposited to comply with public access policies
 - Journal and publisher deposit agreements
 - NLM digitization projects

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Review > Medicine (Baltimore). 2016 Feb;95(6):e2695. doi: 10.1097/MD.0000000000002695.

Complementary and Alternative Medicine Treatment Options for Otitis Media: A Systematic Review

Tal Marom ¹, Paola Marchisio, Sharon Ovnat Tamir, Sara Torretta, Haim Gavriel, Susanna Esposito

Affiliations + expand

PMID: 26871802 PMCID: PMC4753897 DOI: 10.1097/MD.0000000000002695

[Free PMC article](#)

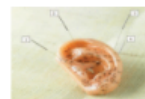
Abstract

Otitis media (OM) has numerous presentations in children. Together with conventional medical therapies aimed to prevent and/or treat OM, a rising number of complementary and alternative medicine (CAM) treatment options can be offered. Since OM is common in children, parents may ask healthcare professionals about possible CAM therapies. Many physicians feel that their knowledge is limited regarding these therapies, and that they desire some information. Therefore, we conducted a literature review of CAM therapies for OM, taking into account that many of these treatments, their validity and efficacy and have not been scientifically demonstrated. We performed a search in MEDLINE (accessed via PubMed) using the following terms: "CAM" in conjunction with "OM" and "children. Retrieved publications regarding treatment of OM in children which included these terms included randomized controlled trials, prospective/retrospective studies, and case studies. The following CAM options for OM treatment in children were considered: acupuncture, homeopathy, herbal medicine/phytotherapy, osteopathy, chiropractic, xylitol, ear candling, vitamin D supplement, and systemic and topical probiotics. We reviewed each treatment and described the level of scientific evidence of the relevant publications. The therapeutic approaches commonly associated with CAM are usually conservative, and do not include drugs or surgery. Currently, CAM is not considered by physicians a potential treatment of OM, as there is limited supporting evidence. Further studies are warranted in order to evaluate the potential value of CAM therapies for OM.

Conflict of interest statement

The authors have no funding and conflicts of interest to disclose.

Figures



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Review > Medicine (Baltimore). 2016 Feb;95(6):e2695. doi: 10.1097/MD.0000000000002695.

Complementary and Alternative Medicine Treatment Options for Otitis Media: A Systematic Review

Tal Marom¹, Paola Marchisio, S. Torretta, H. Gavriel, S. Esposito

Affiliations + expand
PMID: 26871802 PMCID: PMC4753897
[Free PMC article](#)

Abstract

Otitis media (OM) has numerous therapies aimed to prevent and/or treat the infection. However, limited information is available regarding these therapies, and there is a need for a systematic literature review of CAM therapies for OM, taking into account that many of these treatments are not supported by scientific evidence.

CITATION TEXT

Marom T, Marchisio P, Tamir SO, Torretta S, Gavriel H, Esposito S. Complementary and Alternative Medicine Treatment Options for Otitis Media: A Systematic Review. Medicine (Baltimore). 2016 Feb;95(6):e2695. doi: 10.1097/MD.0000000000002695. PMID: 26871802; PMCID: PMC4753897.

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otitis media treatment

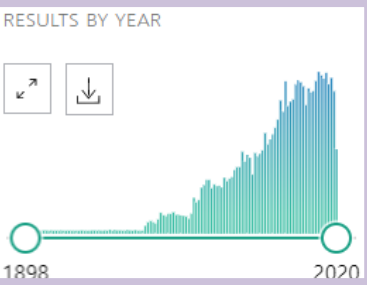
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MY NCBI FILTERS 18,915 results

RESULTS BY YEAR



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TEXT AVAILABILITY

- ☐ Abstract
- ☐ Free full text
- ☐ Full text

ARTICLE ATTRIBUTE

- ☐ Associated data

ARTICLE TYPE

- ☐ Review

1 **Otitis media: diagnosis and treatment.**
Harmes KM, Blackwood RA, Burrows HL, Cooke JM, Harrison RV, Passamani PP.
Am Fam Physician. 2013 Oct 1;88(7):435-40.
PMID: 24134083 [Free article.](#) [Review.](#)

Cite

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Acute **otitis media** is usually a complication of eustachian tube dysfunction that occurs during a viral upper respiratory tract infection. ...Management of acute **otitis media** should begin with adequate analgesia. Antibiotic **therapy** can be deferre ...

2 **Panel 7: Otitis Media: Treatment and Complications.**
Schilder AG, Marom T, Bhutta MF, Casselbrant ML, Coates H, Gisselsson-Solén M, Hall AJ, Marchisio P, Ruohola A, Venekamp RP, Mandel EM.
Otolaryngol Head Neck Surg. 2017 Apr;156(4_suppl):S88-S105. doi: 10.1177/0194599816633697.
PMID: 28372534 [Review.](#)

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Objective We aimed to summarize key articles published between 2011 and 2015 on the **treatment** of (recurrent) acute **otitis media**, **otitis media** with effusion, tympanostomy tube otorrhea, chronic suppurative **otitis media** and complicat ...

3 **Acute otitis media.**
Atkinson H, Wallis S, Coatesworth AP.
Postgrad Med. 2015 May;127(4):386-90. doi: 10.1080/00325481.2015.1028872.

Best Match: New relevance sort for PubMed

- By default the results are in Best Match sort order.
- Important because >80% users click on first page results.
- Click “Display options” button to switch sort order.

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otitis media treatment

Search

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All (18,915)
MEDLINE (18,203)
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RESULTS BY YEAR

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18,915 results

☐ **Otitis media: diagnosis and treatment.**
1 Harnes KM, Blackwood RA, Burrows HL, Cooke JM, Harrison RV, Passamani PP.
Cite Am Fam Physician. 2013 Oct 1;88(7):435-40.
PMID: 24134083 Free article. Review.
Share Acute **otitis media** is usually a complication of eustachian tube dysfunction that occurs during a viral upper respiratory tract infection. ...Management of acute **otitis media** should begin with adequate analgesia. Antibiotic **therapy** can be deferre ...

☐ **Panel 7: Otitis Media: Treatment and Complications.**
2 Schilder AG, Marom T, Bhutta MF, Casselbrant ML, Coates H, Gisselsson-Solén M, Hall AJ, Marchisio P, Ruohola A, Venekamp RP, Mandel EM.
Cite Otolaryngol Head Neck Surg. 2017 Apr;156(4_suppl):S88-S105. doi: 10.1177/0194599816633697.
PMID: 28372534 Review.
Share Objective We aimed to summarize key articles published between 2011 and 2015 on the **treatment** of (recurrent) acute **otitis media**, **otitis media** with effusion, tympanostomy tube otorrhea, chronic suppurative **otitis media** and complicat ...

☐ **Acute otitis media.**
3 Atkinson H, Wallis S, Coatesworth AP

Previous & Next

47

- < Previous
- > Next
- Hover for details

The screenshot shows a PubMed search result for 'otitis media treatment'. The search bar at the top contains the text 'otitis media treatment' and a 'Search' button. Below the search bar, the text 'Advanced' and 'User Guide' are visible. The search results section shows 'Search results' and buttons for 'Save', 'Email', 'Send to', and 'Display options'. The main result is a review article titled 'Acute otitis media' by Helen Atkinson, Sebastian Wallis, and Andrew P Coatesworth. The article is from 'Postgrad Med.' 2015 May;127(4):386-90. The PMID is 25913598 and the DOI is 10.1080/00325481.2015.1028872. The abstract describes the common problem of acute otitis media (AOM) and its management. A 'View full text' button is available. A 'Cite' button is also present. A 'PREV RESULT' button (left arrow) and a 'NEXT RESULT' button (right arrow) are shown, both with a purple border. A hover tooltip for the 'NEXT RESULT' button shows the next result: 'Chronic otitis media' by Wallis S, et al. Postgrad Med. 2015. PMID: 25913598 Review. The tooltip also includes a brief description of chronic otitis media (COM) and a 'PAGE NAVIGATION' section with a link to 'Title & authors'.

PubMed.gov

otitis media treatment

Advanced

User Guide

Search results

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Review > Postgrad Med. 2015 May;127(4):386-90. doi: 10.1080/00325481.2015.1028872.

Acute otitis media

Helen Atkinson¹, Sebastian Wallis, Andrew P Coatesworth

Affiliations + expand

PMID: 25913598 DOI: 10.1080/00325481.2015.1028872

Abstract

Acute otitis media (AOM) is a common problem facing general practitioners, paediatric otolaryngologists. This article reviews the aetiopathogenesis, epidemiology, presentation, history, complications and management of AOM. The literature was reviewed by using the PubMed search engine and entering a combination of terms including 'AOM', 'epidemiology' and 'management'. Relevant articles were identified and examined for content. What is the take-home message? AOM is a very common problem affecting the majority of children at least once and places a large burden on health care systems throughout the world. Although symptomatic relief is often enough for most children, more severe and protracted cases require treatment with antibiotics,

FULL TEXT LINKS

View full text

ACTIONS

Cite

PREV RESULT
2 of 18,915

NEXT RESULT
4 of 18,915

Chronic otitis media.

Wallis S, et al. Postgrad Med. 2015. PMID: 25913598 Review.

Chronic **otitis media** (COM) is a common problem facing general practitioners, pediatricians and otolaryngologists. This article ...

PAGE NAVIGATION

< Title & authors

Filters

- ☐ Abstract
- ☐ Free full text
- ☐ Full text

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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

Reset all filters

☐ Panel 7: **Otitis Media: Treatment** and Complications.

2 Schilder AG, et al. Otolaryngol Head Neck Surg 2017 - Review. PMID 28372534

Objective We aimed to summarize key articles published between 2011 and 2015 on the **treatment** of (recurrent) acute **otitis media**, **otitis media** with effusion, tympanostomy tube otorrhea, chronic suppurative **otitis media** and complications of **otitis media**, and their implications for clinical practice. ...Review Methods All types of articles related to **otitis media treatment** and complications between June 2011 and March 2015 were identified. ...

“ Cite ↗ Share

☐ Acute **otitis media**.

3 Dickson G. Prim Care 2014 - Review. PMID 24439877

One in 4 children will have at least 1 episode of acute **otitis media** (AOM) by age 10 years. AOM results from infection of fluid that has become trapped in the middle ear. ...Differentiating AOM from **otitis media** with effusion (OME) is a critical skill for physicians, as accurate diagnosis will guide appropriate **treatment** of these conditions. ...

“ Cite ↗ Share

☐ Acute **otitis media**.

4 Atkinson H, et al. Postgrad Med 2015 - Review. PMID 25913598

Acute **otitis media** (AOM) is a common problem facing general practitioners, paediatricians and otolaryngologists. This article reviews the aetiopathogenesis, epidemiology, presentation, natural history, complications and management of AOM. ...Although symptomatic relief is often enough for most children, more severe and protracted cases require **treatment** with antibiotics, especially in younger children....

“ Cite ↗ Share

☐ Chronic **otitis media**.

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- Build complex searches

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Date - Publication
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- PubMed search must be done in two ways and then the results must be combined:

- **A. Advanced Search**
- **B. Mesh Search**
- **Combine A and B: A OR B**



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Thyroid Neoplasms

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Add terms to the query box

Title/Abstract

Body Mass Index OR BMI OR Quetelet* Index OR Obesity OR Body Weight

×

Query box

Thyroid Neoplasm*[Title/Abstract] OR Thyroid Carcinoma*[Title/Abstract] OR Thyroid Cancer*[Title/Abstract] OR Thyroid Adenoma*[Title/Abstract]

×

blMed.gov

Guide

AND

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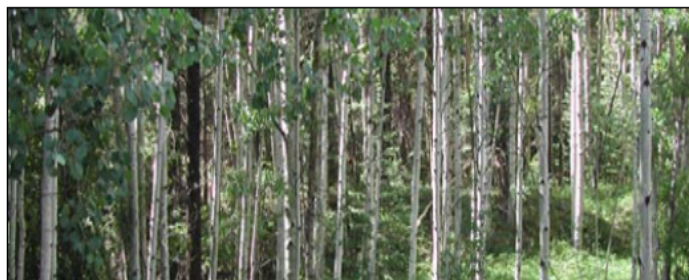
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COVID-19 is an emerging, rapidly evolving situation.
Get the latest public health information from CDC: <https://www.coronavirus.gov>.
Get the latest research from NIH: <https://www.nih.gov/coronavirus>.
Find NCBI SARS-CoV-2 literature, sequence, and clinical content: <https://www.ncbi.nlm.nih.gov/sars-cov-2/>.



MeSH

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

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COVID-19 is an emerging, rapidly evolving situation.

Get the latest public health information from CDC: <https://www.coronavirus.gov>.

Get the latest research from NIH: <https://www.nih.gov/coronavirus>.

Find NCBI SARS-CoV-2 literature, sequence, and clinical content: <https://www.ncbi.nlm.nih.gov/sars-cov-2/>.

Summary ▾ 20 per page ▾

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Search results

Items: 1 to 20 of 395

<< First < Prev Page 1 of 20 Next > Last >>

Selection preferred terms

☐ [Neoplasms](#)

1. New abnormal growth of tissue. Malignant **neoplasms** show a greater degree of anaplasia and have the properties of invasion and metastasis, compared to benign **neoplasms**.

Year introduced: /diagnosis was NEOPLASM DIAGNOSIS 1964-1965

☐ [Hereditary Breast and Ovarian Cancer Syndrome](#)

2. Autosomal dominant HEREDITARY **CANCER** SYNDROME in which a mutation most often in either BRCA1 or BRCA2 is associated with a significantly increased risk for breast and ovarian cancers.

Year introduced: 2012

☐ [Early Detection of Cancer](#)

3. Methods to identify and characterize **cancer** in the early stages of disease and predict tumor behavior.

Year introduced: 2009

☐ [National Cancer Institute \(U.S.\)](#)

Full ▾

Child

A person 6 to 12 y

PubMed search bu

Subheadings:

Add the word (title) to the search box and
run the search

- | | | |
|--|---|--|
| ☐ adverse effects | ☐ genetics | ☐ physiology |
| ☐ analysis | ☐ growth and development | ☐ physiopathology |
| ☐ anatomy and histology | ☐ history | ☐ prevention and control |
| ☐ blood | ☐ immunology | ☐ psychology |
| ☐ cerebrospinal fluid | ☐ injuries | ☐ rehabilitation |
| ☐ classification | ☐ metabolism | ☐ statistics and numerical data |
| ☐ complications | ☐ microbiology | ☐ surgery |
| ☐ diagnosis | ☐ mortality | ☐ therapeutic use |
| ☐ drug therapy | ☐ pathogenicity | ☐ therapy |
| ☐ education | ☐ pathology | ☐ toxicity |
| ☐ epidemiology | ☐ pharmacology | ☐ urine |

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PubMed Search Builder

"Child"[Mesh]

Add to search builder AND ▾

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Items: 7 Selected: 1

☒ [Thyroid Neoplasms](#)

1. Tumors or cancer of the THYROID GLAND.

☐ [Thyroid Cancer, Papillary](#)

2. An ADENOCARCINOMA that originates from follicular cells of the THYROID GLAND and accounts for the majority of **THYROID CANCER** cases. Cells exhibit enlarged, oval, or elongated morphologies with clear, round, nuclei. Fusions of RET, NTRK1, TPM3, and PCM1 genes are associated with this cancer.

Year introduced: 2019 (2010)

PubMed Search Builder



((("Obesity"[Mesh]) OR "Body Mass Index"[Mesh]) AND "Thyroid Neoplasms"[Mesh])

Add to search builder

AND ▼

Search PubMed

Tutorial

Find related data



Database: Select ▼

Find items

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Add terms to the query box

All Fields Enter a search term AND Show Index

Query box

((("Obesity"[Mesh]) OR "Body Mass Index"[Mesh]) AND "Thyroid Neoplasms"[Mesh]) OR ("Thyroid Neoplasms"[Mesh]) Search

Using OR operator, combine mesh search results with advanced search results.

History and Search Details Download Delete

Search	Actions	Details	Query	Results	Time
#2	...	>	Search: (("Obesity" [Mesh]) OR "Body Mass Index" [Mesh]) AND "Thyroid Neoplasms" [Mesh] Sort by: Most Recent	234	14:21:45
#1	...		"Thyroid Neoplasms" [Mesh] Sort by: Most Recent	55,521	14:19:54

Showing 1 to 2 of 2

- Add with AND
- Add with OR
- Add with NOT
- Delete
- Create alert

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((("Obesity"[Mesh]) OR "Body Mass Index"[Mesh]) AND "Thyroid Neoplasms"

Search

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55,521 results

RESULTS BY YEAR



The thyroid cancer epidemic, 2017 perspective.

1

Roman BR, Morris LG, Davies L.

Cite

Curr Opin Endocrinol Diabetes Obes. 2017 Oct;24(5):332-336. doi: 10.1097/MED.0000000000000359.

PMID: 28692457

Free PMC article.

Review.

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Searching



Current Diagnosis and Management of Thyroid Nodules.

2

Pemayun TG.

Cite

Acta Med Indones. 2016 Jul;48(3):247-257.

PMID: 27840362

Free article.

Review.

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TEXT AVAILABILITY

☐ Abstract

☐ Free full text

Search History

61

- View and Download search history
- Compare results of various searches
- Combine previous searches
- View search details
- Download Search History



History and Search Details						 Download	 Delete
Search	Actions	Details	Query	Results	Time		
#5	...	>	Search: #4 AND prevention and control [sh]	808	14:34:32		
#4	...	>	Search: #1 OR #2 OR #3	16,630	14:34:14		
#3	...	>	Search: hay fever	15,459	14:34:02		
#2	...	>	Search: pollinosis	14,810	14:33:55		
#1	...	>	Search: pollen allergies	14,896	14:33:41		

Showing 1 to 5 of 5 entries

Search Details

- View search details and translation

History and Search Details

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Delete

Search	Actions	Details	Query	Results	Time
#5	...		Search: #4 AND prevention and control[sh] (((((("rhinitis, allergic, seasonal"[MeSH Terms] OR ("rhinitis"[All Fields] AND "allergic"[All Fields]) AND "seasonal"[All Fields])) OR "seasonal allergic rhinitis"[All Fields]) OR ("pollen"[All Fields] AND "allergies"[All Fields])) OR "pollen allergies"[All Fields]) OR (((("rhinitis, allergic, seasonal"[MeSH Terms] OR ("rhinitis"[All Fields] AND "allergic"[All Fields]) AND "seasonal"[All Fields])) OR "seasonal allergic rhinitis"[All Fields]) OR "pollinosis"[All Fields]) OR (((("rhinitis, allergic, seasonal"[MeSH Terms] OR ("rhinitis"[All Fields] AND "allergic"[All Fields]) AND "seasonal"[All Fields])) OR "seasonal allergic rhinitis"[All Fields]) OR ("hay"[All Fields] AND "fever"[All Fields])) OR "hay fever"[All Fields])) AND "prevention and control"[MeSH Subheading] Translations pollen allergies: "rhinitis, allergic, seasonal"[MeSH Terms] OR ("rhinitis"[All Fields] AND "allergic"[All Fields] AND "seasonal"[All Fields]) OR "seasonal allergic rhinitis"[All Fields] OR ("pollen"[All Fields] AND "allergies"[All Fields]) OR "pollen allergies"[All Fields] pollinosis: "rhinitis, allergic, seasonal"[MeSH Terms] OR ("rhinitis"[All Fields] AND "allergic"[All Fields] AND "seasonal"[All Fields]) OR "seasonal allergic rhinitis"[All Fields] OR "pollinosis"[All Fields] hay fever: "rhinitis, allergic, seasonal"[MeSH Terms] OR ("rhinitis"[All Fields] AND "allergic"[All Fields] AND "seasonal"[All Fields]) OR "seasonal allergic rhinitis"[All Fields] OR ("hay"[All Fields] AND "fever"[All Fields]) OR "hay fever"[All Fields] prevention and control[sh]: "prevention and control"[Subheading]	818	13:42:04

New Retrieval Features: Enhanced Synonymy

63

History and Search Details				 Download	 Delete
Search	Actions	Details	Query	Results	Time
#1	...	▼	Search: lunch "lunch"[MeSH Terms] OR "lunch"[All Fields] OR "lunches"[All Fields] OR "lunching"[All Fields]	6,196	08:15:19

New Retrieval Features: Better British/American Mapping

64

Search	Actions	Details	Query	Results	Time
#4	...	▼	Search: anesthesia "anaesthesia"[All Fields] OR "anesthesia"[MeSH Terms] OR "anesthesia"[All Fields] OR "anaesthesias"[All Fields] OR "anesthesias"[All Fields]	352,773	08:19:50

PubMed Clinical Queries

- This tool uses predefined filters to help you quickly refine PubMed searches on clinical or disease-specific topics. To use this tool, enter your search terms in the search bar and select filters before searching.
- PubMed Clinical Queries provides specialized searches for:
 - COVID-19 Articles
 - Clinical Study Categories
 - Therapy, Etiology, Diagnosis, Prognosis, Clinical Prediction Guides
 - Medical Genetics



PubMed Clinical Queries

This tool uses [predefined filters](#) to help you quickly refine PubMed searches on clinical or disease-specific topics. To use this tool, enter your search terms in the search bar and select filters before searching.

Note: The Systematic Reviews filter has moved; it is now an option under the "Article Type" filter on the main PubMed search results page.

(coronavirus disease 2019 OR covid-19 OR Sars-CoV-2 OR severe acute respiratory syndrome coronav



Search

Filter category

- ☒ Clinical Studies
☐ COVID-19

Clinical Queries filters were developed by [Haynes RB et al.](#) to facilitate retrieval of clinical studies.

Filter

Clinical Prediction Guides

See [Clinical Queries filter details](#).

Scope

Broad

Returns more results: less specific, but more comprehensive. See [filter details](#).

- What are some search examples?

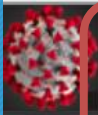
Query example	Explanation
fever AND rash	Retrieves papers that contain both terms “fever” and “rash”.
32744591	Retrieves the paper with the PMID:32744591
journal:Nature AND abstract:"vaccine"	Retrieves the papers from the Journal Nature and contain the term “vaccine” in the abstract.
"corticosteroid therapy"	Retrieves the papers that contain the phrases "corticosteroid therapy"
topics:Treatment	Retrieves the papers annotated with the topic treatment

Openl

Open-i

- Open-i service of the National Library of Medicine enables search and retrieval of abstracts and images (including charts, graphs, clinical images, etc.) from the open source literature, and biomedical image collections. Searching may be done using text queries as well as query images. Open-i provides access to over 3.7 million images from about 1.2 million PubMed Central articles; 7,470 chest x-rays with 3,955 radiology reports; 67,517 images from NLM History of Medicine collection; and 2,064 orthopedic illustrations.

<https://openi.nlm.nih.gov/>



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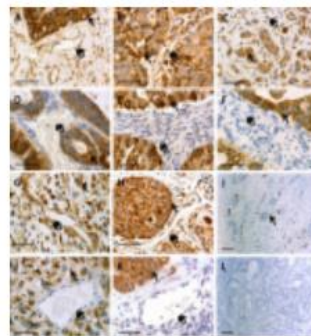
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Search by text or dropping an image.



Like other databases, this
database has special
facilities for dealing with
Covid-19

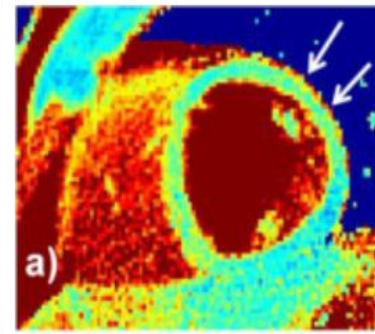
Popular Searches



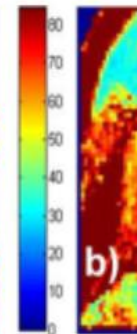
tumor

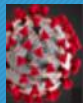


ALL



the





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OPEN

gastric disease



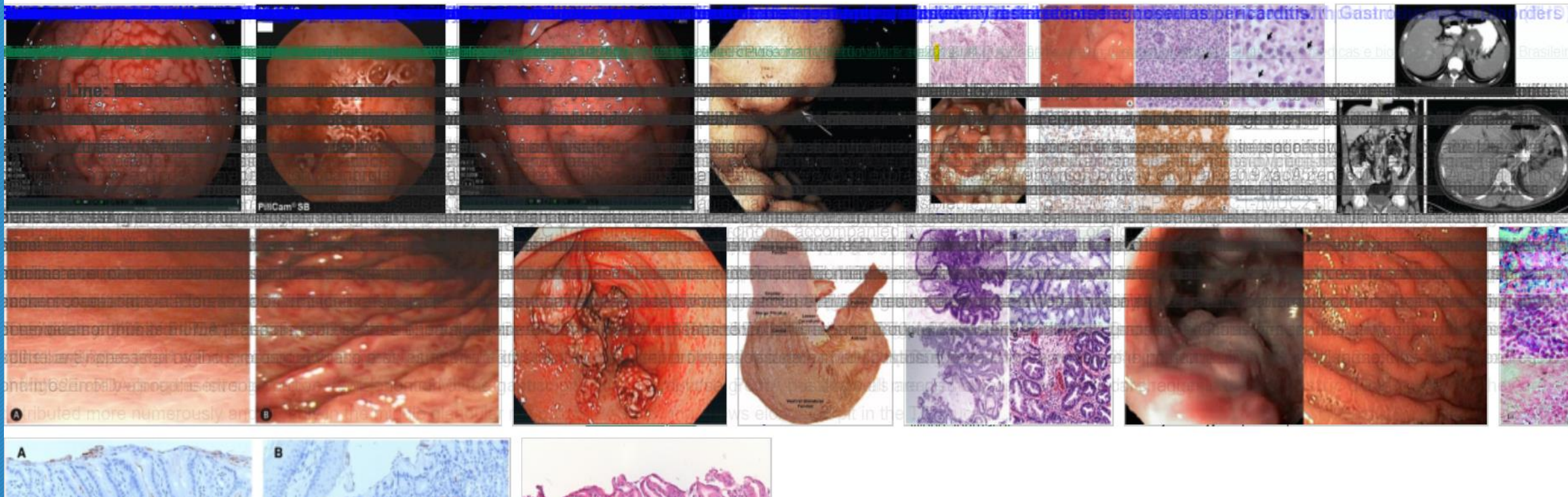
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Search Term: gastric disease Image Type: Exclude Graphics



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