Basic Training 2024 for PhD students

#### PUBMED

Nagoya University Graduate School of Medicine **Medical Library** Ext: 2509

E-mail: libmed@t.mail.nagoya-u.ac.jp

#### Contents

- Overview
- Basic search
- Advanced search
  - Advanced Search Builder
- How to use the functions
  - MeSH Database
  - NLM Catalog
  - Single Citation Matcher
  - Clinical Queries

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### What is "PubMed"?

- Free reference database on internet by National Library of Medicine in the United States
- Most of the included articles were written in English
- Contains Article information of biomedical literature
- Some articles have links to the full text

#### How to access it

- At the URL of Nagoya University (<u>https://pubm</u> <u>ed.ncbi.nlm.nih.gov/?otool=ijpnagoulib</u>), "NU Link" in the library system is available.
- It is also available at the library Web site.

② 名古屋大学附属図書館医学 Nagoya University Medical L	部分館 .ibrary						Schoo	ool of Medicine University Hospital Nagoya Unive Access Contact Us 日제
Ноте		Guid	le			Sea	rch for Ma	aterials Books/Journals News
NU OPAC Keywords	2024	年5月 N	Мау			< Tod	[<]γε	
Electronic Journal List	SUN	MON	TUE	WED	THU	FRI	SAT	
				1	2	3	4	
Pubmed (UKL for Nagoya Univ.)	5	6	7	8	9	10	11	D GUITIT D INTER THE LA LA
MEDLINE Cochrane (EBSCOhost)	12	13	14	15	16	17	18	
Ichushi (Japanese)	19	20	21	22	23	24	25	KACATON -

#### Contents

• Overview

#### Basic search

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## PubMed top page

National	Center for Biotechnology	Information		
		Search	<mark>ı box</mark>	
Pub	Med.gov			-7Z
Search P	ubMed			Search
Hist	comprises more than Ory of se	30 million citations for biomedical lite arch etc. Med Central a	erature from MEDLINE, life scien and publisher web sites.	ce journals, and online books.
Hist	comprises more than <mark>Ory of se</mark>	30 million citations for biomedical lite arch etc. Med Central a	erature from MEDLINE, life scien and publisher web sites.	ce journals, and online books.
Hist	comprises more than ory of se	30 million citations for biomedical lite arch etc. Med Central a	erature from MEDLINE, life scient and publisher web sites.	ce journals, and online books.
Hist	comprises more than ory of se	30 million citations for biomedical lite arch etc. Med Central a	erature from MEDLINE, life scient and publisher web sites.	ce journals, and online books.
Hist	comprises more than Ory of se Cory Learn bout PubMed as & User Guide	30 million citations for biomedical lite arch etc. Med Central a Central a Find Advanced Search Clinical Queries	erature from MEDLINE, life scient and publisher web sites.	ce journals, and online books.

## Keywords

- Both upper-case and lower-case letters are accepted.
- Stop words (a, the, in, of, ...) are not necessary.
   ※ Lower-case"and" is treated as a stop word.
- Keywords connected by a space are interpreted "AND"
- Phrase should be expressed in Double quotation marks.
   Ex) "lung cancer"

# Search articles by author and journal

• Search by author

**Family name space initial of given name** (It is possible to search Researcher ID **ORCID**.)

Search by journal title
 Full title: Journal of Clinical Oncology
 Abbreviation: J Clin Oncol
 ISSN: 0732-183X ← The hyphen is necessary.
 Journal search : NLM Catalog

#### Boolean Operators • truncation

• Operators

**AND OR NOT** in upper-case letters

- Left-hand match
  - Put \* (asterisk) at the end of a word.
  - Be aware of no automatic mapping.
  - "librar\*" can search "library", "libraries", "librarian
    ", etc. at the same time.
- No right-hand match nor mid match

#### Search filters

- Field tag is used to restrict field of search.
  - [tab] after keyword
  - The tag is [au] for author, [ta] for journal name,
     [ti] for title of article, [la] for language, etc
- Frequently applied search
   Ex) In case of search for article title and abstract,
   [tiab] excludes journal name for search.
- Be aware of no automatic mapping.

#### MeSH (Medical Subject Headings)

- MeSH: National Library of Medicine (NLM) controlled vocabulary **thesaurus**
  - 10-15 MeSH terms per one article
  - Major Topic of article are shown with \* (asterics) at the end of MeSH terms
     Lung Neoplasms / diagnosis
- Subheadings

- Lung Neoplasms / epidemiology\*
   Lung Neoplasms / mortality\*
- Lung Neoplasms / therapy
- They are shown by "/" after MeSH terms.
- Analysis, Diagnosis, Therapy, Nursing etc.
- Search by MeSH includes the lower level of terms as a default.

#### Automatic term mapping

- The input term is changed to appropriate MeSH term, phrase, journal name, or author name, then start searching.
- The details of changes are shown in the box of "Advanced".

History	and Sear	ch Detai	<sup>s</sup> Field	J Download	Delete
Search	Actions	Details	Query	Results	Time
#1	<sup>#1</sup> ···· Click		Search: <b>lung cancer</b> "lung neoplasms"[MeSH Terms] OR ("lung"[All Fields] AND "neoplasms"[All Fields]) OR "lung neoplasms"[All Fields] OR ("lung"[All Fields] AND "cancer"[All Fields]) OR "lung cancer"[All Fields]	371,802	21:24:52
	Detai	15	Iung cancer: "lung neoplasms"[MeSH Terms] OR ("lung"[All Fields] AND "neoplasms"[All Fields]) OR "lung neoplasms"[All Fields] OR ("lung"[All Fields] AND "cancer"[All Fields]) OR "lung cancer"[All Fields]		

## Summary page

NIH National Libre National Libre National Center for B	rary of Medicine iotechnology Information
Pub Med.gov	lung cancer     X     Search       Advanced Create alert Create RSS     Order     Style
ave and send results	Save Email Send to Sorted by: Most recent J= Display options 🄅
MY NCBI FILTERS 🖪	394,504 results
RESULTS BY YEAR	Gender based lung cancer risks for symptoms undergone cardiac CT. Cite Dalah EZ, Obaideen A, Anam S, Alzimami K, Jambi LK, Bradle PLoS One. 2022 Apr 11;17(4):e0265609. doi: 10.1371/journ PMID: 35404962 We estimate the lifetime attributable risk (LAR) of lung cance Click shows the detailed data and abstract graphy (CCTA) and
TEXT AVAILABILITY	<ul> <li>HDAC4 Mediates Smoking-Induced Pancreatic Cancer Metastasis.</li> <li>Yang J, Chheda C, Lim A, Hauptschein D, Zayou L, Tang J, Pandol SJ, Edderkaoui M.</li> <li>Cite Pancreas, 2022 Feb 1;51(2):190-195, doi: 10.1097/MPA.00000000001998.</li> </ul>
Full te: Author name	ne, Journal , volume, page, article type, and language

#### Abstract



## Refinement of results

- Selection in the side bar
- Addition at "Additional filters"
- "Reset all filters" when cancelled
- Default
  - Results by year
  - Text availability
  - Article attribute
  - Article type
     →RCT, systematic review, etc.



## Refinement of results

Items to be added at "Additional filters"

- Article type
- Species : human / animal
- Language
- Sex
- Subject
- Journal : main/dental/nursing
- Age

Be aware that refinement may cause the leakage of necessary articles.

ARTICLE TYPE	Address	Introductory Journal Article
	Autobiography	Journal Article
PECIES	Bibliography	Lecture
	Biography	Legal Case
ANGUAGE	Case Reports	Legislation
	Classical Article	Letter
EX	Clinical Conference	Multicenter Study
	Clinical Study	News
URIFCT	Clinical Trial Protocol	Newspaper Article
Object	Clinical Trial, Phase I	Observational Study
	Clinical Trial, Phase II	Observational Study, Veterinary
OURNAL	Clinical Trial, Phase III	Overall
	Clinical Trial, Phase IV	Patient Education Handout
(GE	Clinical Trial. Veterinarv	Periodical Index ~

### Saving the results of search

- Save : download
  - Selection of results
  - Format for the saving

Selection:	All results on this page	\$
Format:	Summary (text)	\$

Summary	The text
PubMed	To the file for sending to reference
	management soft
PMID	Only PubMed ID
Abstract	The text + Abstract
CSV	The text to a CSV file

## Saving the results of search

- "E-mail" to the address specified
- "Send to" other software

Clipboard	Temporary saving in PubMed
My Bibliography	Saving in a reference list (NCBI account is necessary)
Collections	Saving in a folder (NCBI account is necessary)
<b>Citation manager</b>	Export to a reference management soft

#### How to use "Clipboard"

- Check the box before the title of article
   → Send to → Clipboard
- Save at maximum 500 articles within 8 hours
- Data in clipbord; Click "Clipboard" below the search box → Confirm the data
- When necessary, save in "My NCBI"
- To delete it, click "Remove from clipboard" or "Remove all".

#### Practice 1

# "Is allergy for egg contraindications of propofol?"

- 1. Search articles using the below keywords.
- 2. Restrict the articles published within 2019-2024.
- 3. Choose the first two articles, then copy to clipboard.
- Output the contents in clipboard to a file using Citation manager.

Keywords

②egg



#### Hints

- Search using **Propofol AND "egg" AND allergy**.
- Restrict the period to 2019-2024.
- Click  $\Box$  of the first two articles to put  $\checkmark$ .
- Select "Send to > Clipboard".
- Select "Go to the Clipboard page" in the popup, or select "Clipboard" in search box.
- Select "Send to > Citation manager".

#### Answer 1-1

Pub Med <sup>®</sup>	Propofol A Advanced Cr	ND "egg" AND alle eate alert Create RS	ergy X Search S User Guide
	Save	Em 4 Send to	Sort by: Best match 🗘 Display options 🛠
MY NCBI FILTERS	17 resu 5	Clipboard	Clear selection $\langle \langle Page   1 \rangle \rangle$
RESULTS BY YEAR 2	Cite Share PMIL The s METI pedia	My Bibliography Collections Citation manager D: 33529424 Secondary aim evalua HODS: A retrospective atric patients listed all	and reaction to propofol administration in a large pediatric S, Lobo K, Cravero J. 7;31(5):570-577. doi: 10.1111/pan.14147. Epub 2021 Feb 18. ted the relationship between food <b>allergy</b> history and <b>allergy</b> testing data. e chart review conducted between May 2012 and October 2018 identified lergic to <b>egg</b> , soy, and/or peanut, who
TEXT AVAILABILITY  Abstract  Free full text  Full text  ARTICLE ATTRIBUTE	3 2 John Cite Am J Share SUM	v perspectives or son JL, Hawthorne A, Health Syst Pharm. 2 34309659 MARY: Literature rega	a <b>propofol allergy</b> . Bounds M, Weldon DJ. 021 Dec 9;78(24):2195-2203. doi: 10.1093/ajhp/zxab298. Arding the history of <b>propofol allergy</b> warnings and clinical trial data were

#### Answer 1-2

Propofol AND "egg" AND allergy

Advanced Create alert Create 6 Clipboard (2)

#### Move to page to Clipboard

Save	En 7 Send to		Sorted b	by: Order added	Display options	
	My Bibliography Collections	Create a	file for external	citation mar	nagement soft	wa
8	Citation manager	Selection:	All results		\$	
	-	9 Cr	eate file	Cancel		

### Additional information

In this search, "Clinical Practice Guideline for Emergency Department Procedural Sedation With Propofol: 2018 Update" (Ann Emerg Med. 2019)wasn't searched.

 Use Web of Science for citation information serach

0/3	1,073 マークリストに追加 エクスボート > 関連度 >	< _1 / 622 >
□ 1 ∂	No evidence for contraindications to the use of propofol in adults allergic to egg, soy or peanut <u>Asserhoj, LL; Mosbech, H;</u> (); <u>Garvey, LH</u>	<b>53</b> 被引用数
	Jan 2016   <u>BRITISH JOURNAL OF ANAESTHESIA</u> Background: <u>Propof</u> ol is thought to be a potential cause of allergic reactions in patients allergic to egg, soy or peanut, since current formulations contain an emulsion that includes egg lecithin and soybean oil. However, other than six case reports lacking in confirmatory evidence of an allergic reaction, there is no evidence linking the two types of <u>詳細を表示</u>	32 引用文献
	7 NULINA HIND RULLTEXT 出版社サイトによるフリー全文 ***	関連レコード

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### Advanced Search Builder

- Limit search fields
- Use search results and indexes
- Combine search histories
- Make more complicated formulas



## Advanced Search Builder I

#### Search restricting the field

- Input keywords, then select the field of interest.
   Click "ADD" to see automatic display of formula in search box.
- Click "Search"  $\rightarrow$  Search  $\rightarrow$  Results
- "Add to history" → add it to the search history

	Add terms to the query box					
Ι	MeSH Terms 🔶	Lung Neoplasms		2	AND	~
	Query box	Query box	1		Show I	ndex
	Lung Neoplasms[MeSH Terms]	Lung Neoplasms[ <u>MeSH</u> Terms]	×	3	Search	~

## Advanced Search Builder 2

Search referring hit number and index

- Select the field, then input keywords.
- Click "**Show Index**" to show the list of keywords.
- Select a keyword from the list (CTRL+click for two or more keywords), then click "Search", and "Add to History".

Add terms to the query box		Automatic term	
MeSH Terms 🔶	lung neoplasms	mapping terns off.	ADD ~
	lung neoplasms (245,051)	Show Index	
Query box	lung neoplasms/analysis (7,423)		
Enter / edit your search query he	lung neoplasms/anatomy and histolog	Search 🗡	
~	lung neoplasms/blood (6,492)		

#### Advanced Search Builder 3

Refer the histories and reuse them

"Actions" of History → "Add query"
 →Automatic display of formula in Query



#### Notes on search histories

- To clear the histories: "Delete"
- Automatic deletion 8 hours after
- If necessary, save the histories in My NCBI.
- #0 in clipboard

↓Official video of Advanced Search Builder is available at <u>https://www.nlm.nih.gov/oet/ed/pubmed/quickto</u>

urs/advanced/index.html

#### Practice 2

#### " Does antibiotics treatment for acute appendicitis improve the curability in comparison with operation? "

PICO	Keywords	MeSH
Ρ	Acute appendicitis	"appendicitis"[MeSH Terms]
I	Antibiotics	"anti bacterial agents"[MeSH Terms] "anti bacterial agents"[Pharmacological Action]
Study design	RCT	"randomized controlled trial"[Publication Type]

\*Pharmacological Action...search drugs with the same efficacy

#### Hints

#### "Does antibiotics treatment for acute appendicitis improve the curability in comparison with operation?"

- 1. Attach "**drug therapy**" to appendicitis[MeSH] as the subheading, then add it to the History.
- 2. Add anti bacterial agents[MeSH] to the History.
- 3. Add anti bacterial agents to History of **Pharmacological Action**.
- 4. Add the formula "2 OR 3" to the History.
- 5. Make the formula "**1** AND **4**", them search.
- 6. Limit with Randomized controlled trial.

1. Select **MeSH field**, and input "appendicitis"  $\rightarrow$  Show Index  $\rightarrow$  select "**appendicitis/drug therapy**"[MeSH Terms]  $\rightarrow$  "ADD"  $\rightarrow$  "Add to History"

	appendicitis/diagnostic imaging (2,570)	
Query box	appendicitis/diet therapy (2)	<b>Z</b> Show
Enter / edit your search qu	appendicitis/drug therapy (592)	Search
-	appendicitis/economics (224)	
Query box		
"appendicitis/drug therapy"	'[MeSH Terms]	$\times$ 5 Search

#### Answer 2-2 · 2-3

 Select MeSH field, and input "anti bacterial agents" → "ADD" → "Add to History "

	Add terms to the query box					
I	MeSH Terms	¢	anti bacterial agents	2	2	ADD

 Select Pharmacological Action, and input "anti bacterial agents" → "ADD" → "Add to History "

Add terms to the query box			
Pharmacological Action	÷	anti bacterial agents	

# 4. Select Add query from Actions of formula 2 → Select Add With OR from Actions of formula 3

nd Searc	ch Details	s		U Download	1	III Delete
Actions	Details	Query		Resu	lts	Time
Ι.	2,	Search	anti bacterial agents[Pharmacological Action]	731,1	93	03:48:58
•••	Add quer	y	nti bacterial agents[MeSH Terms]	394,3	50	03:37:46
Actions	2 jails	Query		Resu	lts	Time
	4 with	AND	nti bacterial agents[Pharmacological Action]	731,1	93	03:48:58
<mark>3</mark> · _	Add with	OR	nti bacterial agents[MeSH Terms]	394,3	850	03:37:46
				<i>2</i> / 12		
erial agen	ts[ <u>MeSH</u> Te	erms]) C	R (anti bacterial agents[Pharmacological Action])	X Add	to H	listory 🗸
	Actions  3 ·	Actions Actions 4 4 4 4 4 4 4 4 4 4 4 4 4	I     2     Search        Add query       Actions     ails     Query       4     uith AND       3     Add with OR	I       2       Search: anti bacterial agents[Pharmacological Action]          Add query       nti bacterial agents[MeSH Terms]         Actions       ails       Query          ails       Query          duith AND       nti bacterial agents[Pharmacological Action]          Add with OR       nti bacterial agents[Pharmacological Action]          Add with OR       nti bacterial agents[MeSH Terms]	I       2       Search: anti bacterial agents[Pharmacological Action]       731,1         ··· Add query       nti bacterial agents[MeSH Terms]       394,3         Actions       • ails       Query       Resu         ··· 4       ··· ibacterial agents[Pharmacological Action]       731,1         ··· 4       ··· ibacterial agents[MeSH Terms]       394,2         erial agents[MeSH Terms]) OR (anti bacterial agents[Pharmacological Action])       X	I       2       Search: anti bacterial agents[Pharmacological Action]       731,193          Add query       nti bacterial agents[MeSH Terms]       394,350         Actions         Add query       nti bacterial agents[Pharmacological Action]       731,193          4         Add query       nti bacterial agents[Pharmacological Action]       731,193         3        4              3                add with OR                agents[MeSH Terms]) OR (anti bacterial agents[Pharmacological Action])       X

# 5. Select Add query from Actions of formula 1 → Select Add With AND from Actions of formula 4

listory a	and Sear	ch Detai	ls						. ↓ Download	Delete	e	
Search	Actions	Details	Query						Results	Time		
#4	•••	>	Search: ( agents[F	anti ba Pharma	acteri acolo	al agent gical Ac	ts[MeSH Terms] tion])	) OR (anti bacterial	760,434	03:23:46	5	
#3		2	Search: a	nti ba	cteria	agents	s[Pharmacologi	cal Action]	732,076	03:23:41	t I	
#2		2	Search: a	His	tory	<b>3</b> a	tails				,↓, Download	🕅 Delete
#1	•••	Add que	ry	aj Se	arch	Actions	4				Results	Time
howing 1	to 4 of 4	Delete Create al	ert		#4		Add with AND	anti bacterial agents[MeSH Term /harmacological Action])	ns]) OR (anti bacteria	ſ	759,757	20: <mark>1</mark> 5:31
		0.0000000000000000000000000000000000000		-	#3	•••	Add with OR Add with NOT	nti bacterial agents[Pharmacolo	gical Action]		731,419	20:15:18
					#2		Delete	nti bacterial agents[MeSH Term	s]		394,539	20:15:06
				3	#1		Create alert	common cold/drug therapy"[M	eSH Terms]		1,196	20:14:57

6. Search using formula 5 → Select
 "Randomized Controlled Trial" from "Article
 type" in side bar.

Query box		
("appendicitis/drug therapy" agents[Pharmacological Acti	eSH Terms]) AND ((anti bacterial agents[ <u>MeSH</u> Terms]) OR (anti bacterial X )))	Search 🗸
	PMID: 25992746 Free PMC article. Clinical Trial.	
Clinical Trial	<ul> <li>Five-Year Follow-up of Antibiotic Therapy for Uncomplicated Acute Appen</li> <li>in the APPAC Randomized Clinical Trial.</li> </ul>	dicitis
<ul> <li>Journal Article</li> <li>Meta-Analysis</li> </ul>	Cite Salminen P, Tuominen R, Paajanen H, Rautio T, Nordström P, Aarnio M, Rantanen T, Hurme S, Mo Sand J, Virtanen J, Jartti A, Grönroos JM.	ecklin JP,
Randomized Controlled Trial	PMID: 30264120 Free PMC article. Clinical Trial.	
Review     Systematic Review	<ul> <li>Antibiotic Therapy vs Appendectomy for Treatment of Uncomplicated Acut</li> <li>Appendicitis: The APPAC Randomized Clinical Trial.</li> </ul>	te
	Cite Salminen P, Paajanen H, Rautio T, Nordström P, Aarnio M, Rantanen T, Tuominen R, Hurme S, Vir	tanen J,

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- MeSH is used to search the details.
- Stratified structure of MeSH
- Search is possible by selecting subheading.



- When a term of interest is input, appropriate MeSH appears.
- It makes possible to confirm that the term is what you intend to know.

S NCBI Resources	) How To 🕑		
MeSH	MeSH	COTVZA	
		Create alert Limits Advanced	
Summary <del>-</del>		Ser	id to: 👻
Search results Items: 3			
Common Cold     A catarrhal disorder congestion, and sn	r of the upper respir eezing.	ratory tract, which may be viral or a mixed infection. It generally involves a runny nose,	nasal

S NCBI Resources 🛛	How To 🕑				Sign in to NCB
MeSH	MeSH 🗸	arthrocentesis Create alert Limits Advanced			Search Help
Full -				Send to: 🗸	PubMed Search Builder
Puncture and aspiration of f Year introduced: 2016 PubMed search builder opti Subheadings:	Year (	of introduction	mes to irrigate or administer drugs into a join	t cavity.	Add to search builder AND -
Subfield instrumentation	ing	<ul> <li>organization and administration</li> <li>pharmacology</li> <li>standards</li> <li>statistics and numerical data</li> </ul>	therapeutic use     tilization     veterinary		Search PubMed You Tube Tutoria
Restrict to MeSH Major Do 1 ot include MeSH te Tree Number(s): E01.370.2 MeSH Unique ID: D000069; Entry Terms:	Topic. rms found below this 25.998.329.465, E02 237	term in the MeSH hierarchy.	Search witho in lower strat	ut th a.	ne terms

#### Search articles on the MeSH terms

#### Entry Terms:

- Arthrocenteses
- Arthrocentesis, Temporomandibular Joint
- Arthrocentesis, Temporomandibular Joints
- Joint, Arthrocentesis, Temporomandibular
- Joints, Arthrocentesis, Temporomandibular
- Arthrocentesis, TMJ
- Arthrocenteses, TMJ
- TMJ Arthrocenteses
- TMJ Arthrocentesis
- Temporomandibular Joint Aspiration
- Aspiration, Temporomandibular Joint
- Aspirations, Temporomandibular Joint
- Joint Aspiration, Temporomandibular
  Joint Aspirations, Temporomandibular
- Temporomandibular Joint Aspirations
- Temporomandibular Joint Arthrocentesis
- · Arthrocenteses, Temporomandibular Joint
- Arthrocentesis, Temporomandibular Joint
- Joint Arthrocenteses, Temporomandibular
- Joint Arthrocentesis, Temporomandibular
- Temporomandibular Joint Arthrocenteses
- Aspiration, Temporomandibular Joint
- Aspiration, Temporomandibular Joints
- Joint, Aspiration, Temporomandibular
- Joints, Aspiration, Temporomandibular

#### Previous Indexing:

Paracentesis (1996-2015)

All MeSH Categories Analytical, Diagnostic and T

Diagnosis

MeSH terms before the term ofinterest is established.

Diagnostic Techniques and Procedures

Clinical Laboratory Techniques

Specimen Handling Paracentesis

Arthrocentesis

22

## Stratified structure

#### synonyms

#### • PubMed search builder

Click "Add to search builder" to send MeSH term (with subheadings) listed in the left. Select operator to make a formula. Click "Search PubMed" to conduct the search.



• "PubMed" under **Related information** Search ignoring subheadings.

#### NLM MeSHBrowser

The detailed information on the MeSH term with

rich annotations.

Related information	
PubMed	
PubMed - Major Topic	
Clinical Queries	
NLM MeSH Browser	
MedGen	

#### Practice 3

## "Is physical exercise effective to the prevention of depression after childbirth"

- 1. Search "**postpartum depression**" in MeSH Database.
- Select "therapy" as subheading for the result of 1, and add it to PubMed Search Builder.
- 3. Search "**exercise**" in MeSH Database.
- 4. Use "AND" to connect the above result with Formula2, and add it to "PubMed Search Builder".
- 5. Use formula 4 to search.

- 1. When search "**postpartum** 
  - depression", "Depression, Postpartum"

appear.

S NCBI Resources 🗵	How To 🖸					<u>ishikawa_shieri</u>	<u>My NCBI</u>	Sign Out
MeSH	MeSH v	postpartum depress	sion			Search		
		Create alert Limits	Advanced					Help
Full -					Send to: -	Billion and a second second second		_
						PubMed Search Builder		
Depression, Postpa	rtum							
Depression in POSTPARTU	M WOMEN, usually	within four weeks after	giving birth (PARTURI	FION). The degree of depression ranges from	m mild			
transient depression to neur	otic or psychotic der	pressive disorders. (Fro	m DSM-IV, p386)					
Year Introduced: 1996								11
PubMed search builder optic	ons							
Subheadings:						Add to search builder AND	) ~	
-						Search PubMed		
🔲 analysis		enzymology		☐ parasitology		2. 	You Tu	E Tutorial
anatomy and hist	ology	epidemiology		D pathology		2		
				D physiology		Related information		
Cerebrospinal fluid	9					PubMed		
Chemically induct	ea	genetics				PubMed - Major Topic		
				psychology		i ubivieu - wiajbi i opic		
				C renabilitation		Clinical Queries		
	2			statistics and numerical data		NI M MeSH Browser		
diagnostic imagin	ig							
diet therapy						MedGen		
arug therapy			- destation at the					
		group organization and	administration			8		

#### 2. Click "therapy" in the subheading list, then click "Add to search builder".

Full -		Send to: 🗸	5
			PubMed Search Builder
Depression, Postpartum			"Depression, Postpartum/therapy"
Depression in POSTPARTUM WOMEN, usua transient depression to neurotic or psychotic Year introduced: 1996	Illy within four weeks after giving birth (PARTUF depressive disorders. (From DSM-IV, p386)	RTION). The degree of depression ranges from mild	[Mesn]
PubMed search builder options		2	
Subheadings:			Add to search builder
🗌 analysis	enzymology	parasitology	Van Tutoriel
anatomy and histology	epidemiology	pathology	Tutonal
Dlood	ethnology	physiology	Related information
Cerebrospinal fluid	etiology	physiopathology	PubMod
chemically induced	genetics	prevention and control	Fubilieu
classification	history	psychology	PubMed - Major Topic
complications	🔲 immunology	rehabilitation	Clinical Queries
🗖 diagnosis	🗌 metabolism	🛄 statistics and numerical data	onnear queries
diagnostic imaging	microbiology	🔽 therapy	NLM MeSH Browser
diet therapy	mortality		MedGen
drug therapy	🔲 nursing	🗖 virology	
economics	organization and administration		

#### 3. Search "Exercise".

Macu			
Meon	MeSH v exercise		
	Create alert Limits	Advanced	
Summary 👻 20 per page	•	Send to: -	
Search results Items: 1 to 20 of 26		<< First < Prev Page 1 of 2 Next > Last >>	
Exercise     Physical activity y     Contrast with PHYS     Year introduced: 1989	ich is usually regular and done with the ir ICAL EXERTION which is concerned larg	ntention of improving or maintaining PHYSICAL FITNESS or HEALTH. gely with the physiologic and metabolic response to energy expenditure.	
S NCBI Resources 🗵	How To 🗵	<u>ishikawa_shieri</u> <u>My NCB</u> I	<u>Sign Ou</u>
MeSH	MeSH	Search	
	Limits Advanced		Hel
Full 🗸		Send to: - PubMed Search Builder	(
Exercise		"Depression, Postpartum/the	rapy"
Physical activity which is us PHYSICAL EXERTION whic Year introduced: 1989	sually regular and done with the intention of imp h is concerned largely with the physiologic and	proving or maintaining PHYSICAL FITNESS or HEALTH. Contrast with I metabolic response to energy expenditure.	4
PubMed search builder opti	ons		///.
Subheadings:		Add to search builder AND V	
	Dhistory	Search PubMed	
		Diphysiology You	ibe Tutoria

#### After confirming that the operator is "AND", click "Add to search builder".



#### 5. Click "Search PubMed".

Pub Med.gov	("Depression, Postpartum/therapy"[Mesh]) AND "Exercise"[Mesh] X Search
	Advanced Create alert Create RSS User Guide
	SaveEmailSend toSorted by: Most recent $\downarrow =$ Display options
My NCBI FILTERS	51 results
RESULTS BY YEAR	<ul> <li>Feasibility, Acceptability, and Preliminary Effects of "Mindful Moms": A Mindful</li> <li>Physical Activity Intervention for Pregnant Women with Depression</li> </ul>
2ª 🖳	Cite Kinser PA, Thacker LR, Rider A, Moyer S, Amstadter AB, Mazzeo SE, Bodnar-Deren S, Starkweather A.
بالقوادين	Nurs Res. 2021 Mar-Apr 01;70(2):95-105. doi: 10.1097/NNR.000000000000485. Share PMID: 33630532
2001 2021	Key stakeholder perspectives on the development and real-world implementation
TEXT AVAILABILITY	Cite depression: a qualitative study.
Abstract	Teychenne M, Apostolopoulos M, Ball K, Olander EK, Opie RS, Rosenbaum S, Laws R. Share BMC Public Health. 2021 Feb 16;21(1):361. doi: 10.1186/s12889-021-10394-8.
Free full text	PMID: 33593324 Free PMC article.
Full text	

#### Contents

- Overview
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  - Advanced Search Builder

#### How to use the functions

- MeSH Database
- NLM Catalog
- Single Citation Matcher
- Clinical Queries

## NLM Catalog

- Click Explore > Journals at the top page.
- Information on journals appears.
- Search based on journal name, its abbreviation, ISSN, etc.



## NLM Catalog

Nagoya journal of medical	science	Details	of journal	
Author(s):	Aichi Ika Daigaku			
	Nagoya Teikoku Daiga	iku Igakubu		
	Nagoya Daigaku Igaku	ubu		
	Nagoya Ika Daigaku			
NLM Title Abbreviation:	Nagoya J Med Sci			
Title(s):	Nagoya journal of med	dical science.		
Other Title(s):	NAGOYA J MED SCI	C	1	· · ·
Continues:	Aichi journal of experir	mental medici	earch in the	e given journal
Publication Start Year:	1927			<u> </u>
Frequency:	Quarterly			
Country of Publication:	Japan		Dubling Courses Dudi	
Publisher:	Nagoya : Nagoya Univ	ersity School Of Me	Publied Search Bui	lder
Description:	v. illus.		"Nagoya J Med Sci"	[Journal]
Language:	English			
ISSN:	0027-7622 (Print)			
	2186-3326 (Electronic	:)		
Coden			<u></u>	
Coden:	NJMSAG		Add to coarsh buildor	1
Electronic Links:	54036460	ih dov/omc/journals	Add to search builder	1
Electionic Links.	PubMed Central	in.gov/pinic/journals	Search PubMed	
	http://www.med.nagoya	a-u.ac.jp/medlib/nag irce	Jq	

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## Single Citation Matcher

- Search using journal name, year of publication, volume, page, authors\*, term in the article title. \*It is possible to restrict only the first author.
- Effective in search for References of articles

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tions. You may omit any fie	eld.		$\bigcirc$
			ALA
le			00000
Year	Month	Day	Find
YYYY	MM	DD	Advanced Search
Volume	Issue	First page	Clinical Queries
			Single Citation Matcher
	tation Matche ntions. You may omit any fie le Year Year Yoluma	Atation Matcher Intions. You may omit any field. Ile Year Year Year Month MM	Atation Matcher Intions. You may omit any field. Ile Year Year YYYY MM DD Volume Issue First page

## Single Citation Matcher

PubMed Single Citat	ion Matcher			
Use this tool to find PubMed citations.	. You may omit any field.			
Journal				_
Journal may consist of the full title or the title abbreviation.				
Date	Year	Month	Day	
Month and day are optional.	2008	MM	DD	
Details	Volume	Issue	First page	<u></u>
	26		124	
64-556-4 (Caso)				
Author				
Use format lastname initials for the most comprehensive results, e.g., Ostell J. See also: Searching by author.				
Limit authors	Only as first autnor	Only as last autho	or	
Title words 2008	[Date - Publication] AND 2	26[Volume] AND 124[P	Pagination]	Search
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Save	Email Send to		Sorted by: Best match	Display options
5 result	only nee	ed to fill ir	n some of th	ne fields

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## **Clinical Queries**

- A function to set a filter for clinical articles automatically, simply by inputting a keyword, facilitating the EBM articles.
- Clinical Study Categories (The below five are available)
  - I. Therapy
  - II. Clinical Prediction Guides
  - III. Diagnosis
  - IV. Etiology
  - v. Prognosis

Two categories (broad/narrow) can be assigned.



### **Clinical Queries**

#### **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.



## Clinical Queries (COVID-19)

Since February 2021, COVID-19 Article Filters with 9 categories has been available.

- I. General
- II. Mechanism
- III. Transmission
- IV. Diagnosis
- v. Treatment
- VI. Prevention
- VII. Case Report
- VIII. Forecasting
- IX. Long COVID

## My NCBI

Free user registration allows the below services

- To save and reuse of search formula
- Periodical reports of search results with alert function
- To save the results
- Customization of search page

NIH National Library of Mec	dicine	Log in
Pub Med.gov		

## My NCBI with alert function

- Periodical e-mail reports according to the formula.
- Select "Actions" in "History" of "Advanced
   Search Builder" → "Create alert"

History	and Sear	ch Details		🕁 Download	<u> </u> Delete
Search	Actions	Details Query		Results	Time
#1	••• <	Add query Delete	ppendicitis[MeSH Terms] Sort by: Most Recent citis"[MeSH Terms]	19,664	03:30:19
		Create alert	ons :itis[MeSH Terms]: "appendicitis"[MeSH Terms]		

## My NCBI with alert function

Name of saved search:	appendicitis[MeSH Term	s]
Search terms:	appendicitis[MeSH Term	s]
	Test sea	arch term
Yes		
<ul><li>Yes</li><li>No</li></ul>		
Yes No Email:		

- Name the formula.
- Customize frequency, day, number of articles, etc.
- Default address is the address at registration.

## Summary

- Technic to search with a high precision
  - Phrase search
  - Right-hand match
  - Selection of field
  - MeSH/subheading
- Technic to make complicated formula
  - Use of Advanced Search Builder

This is the last slide of "PubMed".

Go on the next video.

If you have questions, please send them to <u>libmed@t.mail.nagoya-u.ac.jp</u>.