

# Tips and Strategies for Effective Literature Searching

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# What I plan to talk about

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General hints for searching

Power searching PubMed

- Advanced Search
- MeSH

Introducing Embase



- Special search interfaces
- Emtree

Getting full text of articles

# General hints for searching

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Try putting quotes around exact phrases

History and Search Details				 Download	 Delete
Search	Actions	Details	Query	Results	Time
#2	...	>	Search: <b>"breast cancer"</b>	274,690	13:06:52
#1	...	>	Search: <b>breast cancer</b>	408,215	13:06:44

# General hints for searching

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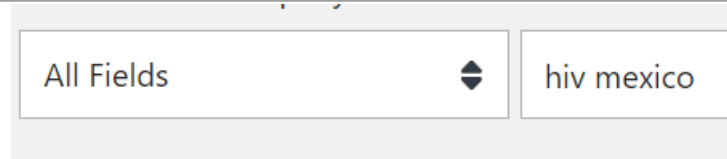
Most databases support truncation: getting multiple word endings by using a special character

- Adolescen\* = adolescent OR adolescents OR adolescence

# General hints for searching

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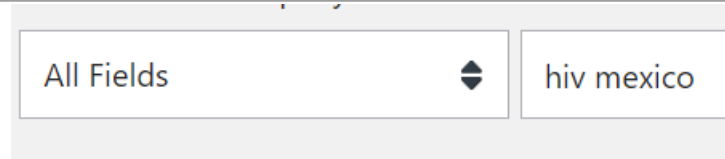
What fields can you search?




A screenshot of a search interface. On the left, there is a dropdown menu with the text "All Fields" and a downward-pointing arrow icon. To the right of the dropdown is a search input field containing the text "hiv mexico". The entire interface is set against a light gray background.

# General hints for searching

What fields can you search?



All Fields  hiv mexico

## Can social network analysis help to include marginalised young women in structural support programmes in Botswana? A mixed methods study.

[Loutfi D](#)<sup>1</sup>, [Andersson N](#)<sup>2,3</sup>, [Law S](#)<sup>4,5</sup>, [Salsberg J](#)<sup>6</sup>, [Haggerty J](#)<sup>2</sup>, [Kgakole L](#)<sup>7</sup>, [Cockcroft A](#)<sup>2,7</sup>.

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- 6 Graduate Entry Medical School, University of Limerick, Plassey Park, Co. Limerick, V94 T9PX, Ireland.
- 7 CIET Trust Botswana, PO Box 1240, Gaborone, Botswana.

### Abstract

**BACKGROUND:** In Botswana, one fifth of the adult population is infected with HIV, with young women most at risk. Structural factors such as poverty, poor education, strong gender inequalities and gender violence render many young women unable to act on choices to protect themselves from HIV. A national trial is testing an intervention to assist young women to access government programs for returning to education, and improving livelihoods. Accessing marginalised young women (aged 16-29 and not in education, employment or training) through door-to-door recruitment has proved inefficient. We investigated social networks of young women to see if an approach based on an understanding of these networks could help with recruitment.

# Using the PICO framework

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PICO helps you structure an answerable question

- **P**opulation
- **I**ntervention
- **C**omparison or control
- **O**utcome

Not all research topics neatly fit into PICO format, but it helps to think about each component concept of your topic before you come up with the keywords you plan to search

# Using the PICO framework

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## Example

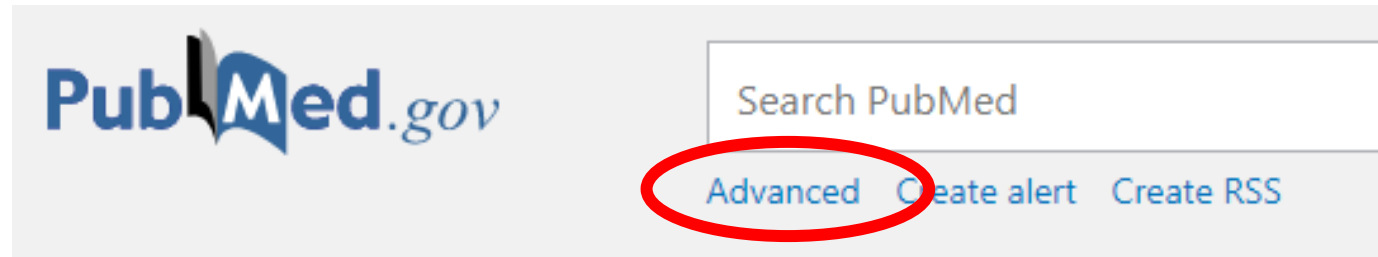
- **P**opulation: Breast cancer patients
- **I**ntervention: surgical timing after chemotherapy
- **C**omparison or control:
- **O**utcome: adverse outcomes including mortality



# Power searching in PubMed

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The Advanced search screen



# Power searching in PubMed

The screenshot shows the PubMed Advanced Search Builder interface. At the top, it says "PubMed Advanced Search Builder". Below that, there is a section "Add terms to the query box" with a dropdown menu set to "All Fields" and a text input field containing the query "time interval" AND surgery. Below this is a "Query box" containing the query "time to surgery". On the right side, there are two blue buttons: "AND" with a dropdown arrow and "Add to History" with a dropdown arrow. The "AND" button has "Show Index" written below it. The "Add to History" button is positioned below the "AND" button. The PubMed logo and "User Guide" link are visible in the top right corner.




PubMed constructs the search based on what you type in the builder

Use the AND and OR operators to connect your keywords

This adds it to the history section at the bottom of the page. You can use it again later


# Power searching in PubMed



Add terms to the query box

All Fields  Enter a search term  **ADD** 

Show Index

Query box

Enter / edit your search query here **Add to History** 



History and Search Details  Download  Delete

Search	Actions	Details	Query	Results	Time
#2	...	>	Search: ("time to surgery") OR ("time interval" AND surgery)	8,521	13:14:04

# Power searching in PubMed

---

## History and Search Details

 Download  Delete

Search	Actions	Details	Query	Results	Time
#4	...	>	Search: <b>chemotherapy</b>	3,339,295	13:14:40
#3	...	>	Search: " <b>breast cancer</b> "	274,690	13:14:35
#2	...	>	Search: (" <b>time to surgery</b> ") OR (" <b>time interval</b> " AND <b>surgery</b> )	8,521	13:14:04

# Power searching in PubMed

---

History and Search Details Download Delete

Search	Actions	Details	Query	Results	Time
#4	...	Add query	chemotherapy	3,339,295	13:14:40
#3	...	Delete	breast cancer"	274,690	13:14:35
#2	...	Save to NCBI	"time to surgery") OR ("time interval" AND surgery)	8,521	13:14:04

Clicking "Add" puts the searches back into the builder

# Power searching in PubMed

Query box

((chemotherapy) AND ("breast cancer")) AND (("time to surgery") OR ("time interval" AND surgery))

Add to History

History and Search Details

Search	Actions	Details	Query		
#4	...	>	Search: <b>chemotherapy</b>		
#3	...	>	Search: " <b>breast cancer</b> "	274,690	13:14:35
#2	...	>	Search: (" <b>time to surgery</b> ") OR (" <b>time interval</b> " AND <b>surgery</b> )	8,521	13:14:04

Use the arrow on the right to change the option back to "Search" to search PubMed

# Power searching in PubMed

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Why use the Advanced search screen?

- Easy way to access fields
- When you build your search one piece at a time, it's easy to go back and edit only a part of the search instead of having to dig through a long search string

# Power searching in PubMed

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Why did we get this result?

[PMID 30877468](#)

## Postchemotherapy Hippocampal Functional Connectivity Patterns in Patients With Breast Cancer: A Longitudinal Resting State Functional MR Imaging Study

Yun Feng <sup>1 2</sup>, Dilihumaer Tuluhong <sup>3</sup>, Zhao Shi <sup>4</sup>, Li Juan Zheng <sup>4</sup>, Tao Chen <sup>3</sup>, Guang Ming Lu <sup>4</sup>, Shaohua Wang <sup>5</sup>, Long Jiang Zhang <sup>6 7</sup>

Affiliations [+ expand](#)

PMID: 30877468 DOI: [10.1007/s11682-019-00067-x](https://doi.org/10.1007/s11682-019-00067-x)

### Abstract

The hippocampus plays a key role in cognitive function and emotion regulation due to its wide connection with the whole brain. This study examined the acute effect of chemotherapy on hippocampal and subfield functional connectivity and neuropsychological status in breast cancer patients (BC). This IRB approved study included 29 BC and 25 age matched healthy controls (HCs) who underwent resting state functional magnetic resonance imaging (Rs-fMRI), neuropsychological tests and blood examinations at baseline and one week after completing chemotherapy or in the same time interval. Within-group comparisons and group-by-time interactions analysis of hippocampus- and subregion- based functional connectivity were performed between the two groups. Functional connectivity changes were correlated with changes of blood examination and neuropsychological test scores in the BC group. The BC group had higher depression and anxiety scores, poorer performance on visual mobility, auditory memory and executive function than HCs ( $p < 0.05$ ), and significantly abnormal estradiol, total cholesterol and triglycerides ( $p < 0.05$ ). BC survivors showed significant hippocampal functional connectivity changes mainly in the left insula, temporal



# Power searching in PubMed

When you don't specify a field to search, PubMed searches ALL fields

## Postchemotherapy Hippocampal Functional Connectivity Patterns in Patients With Breast Cancer: A Longitudinal Resting State Functional MR Imaging Study

Yun Feng <sup>1 2</sup>, Dilihumaer Tuluhong <sup>3</sup>, Zhao Shi <sup>4</sup>, Li Juan Zheng <sup>4</sup>, Tao Chen <sup>3</sup>, Guang Ming Lu <sup>4</sup>, Shaohua Wang <sup>5</sup>, Long Jiang Zhang <sup>6 7</sup>

Affiliations – collapse

### Affiliations

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- 2 Department of Medical Imaging, Medical Imaging Center, The Affiliated Huaian No.1 People's Hospital of Nanjing Medical University, Huai'an, 223300, Jiangsu, China.
- 3 Department of General Surgery, Jinling Hospital, Medical School of Nanjing University, 305 East Zhongshan Road, Xuanwu District, Nanjing, People's Republic of China.
- 4 Department of Medical Imaging, Jinling Hospital, Medical School of Nanjing University, Nanjing, 210002, China.
- 5 Department of General Surgery, Jinling Hospital, Medical School of Nanjing University, 305 East Zhongshan Road, Xuanwu District, Nanjing, People's Republic of China. wanglaifu2@126.com.
- 6 Department of Medical Imaging, Jinling Hospital, Nanjing Medical University, 305 Zhongshan East Road, Xuanwu District, Nanjing, 210002, Jiangsu, China. kevinzhlj@163.com.
- 7 Department of Medical Imaging, Jinling Hospital, Medical School of Nanjing University, Nanjing, 210002, China. kevinzhlj@163.com.

# Power searching in PubMed

## Automatic Term Mapping

- You can see this on the advanced search screen

History and Search Details Download Delete

Search	Actions	Details	Query	Results	Time
#6	...	▼	<p>Search: <b>((chemotherapy) AND ("breast cancer")) AND (("time to surgery") OR ("time interval" AND surgery))</b> Sort by: <b>Publication Date</b></p> <p>((((("chemotherapy s"[All Fields] OR "drug therapy"[MeSH Terms]) OR ("drug"[All Fields] AND "therapy"[All Fields])) OR "drug therapy"[All Fields]) OR "chemotherapies"[All Fields]) OR "drug therapy"[MeSH Subheading]) OR "chemotherapy"[All Fields]) AND "breast cancer"[All Fields]) AND ("time to surgery"[All Fields] OR ("time interval"[All Fields] AND (((("surgery"[MeSH Subheading] OR "surgery"[All Fields]) OR "surgical procedures, operative"[MeSH Terms]) OR ("surgical"[All Fields] AND "procedures"[All Fields]) AND "operative"[All Fields])) OR "operative surgical procedures"[All Fields]) OR "general surgery"[MeSH Terms]) OR ("general"[All Fields] AND "surgery"[All Fields])) OR "general surgery"[All Fields]) OR "surgery s"[All Fields]) OR "surgerys"[All Fields]) OR "surgeries"[All Fields]))</p> <p><b>Translations</b></p> <p><b>chemotherapy:</b> "chemotherapy's"[All Fields] OR "drug therapy"[MeSH Terms] OR ("drug"[All Fields] AND "therapy"[All Fields]) OR "drug therapy"[All Fields] OR "chemotherapies"[All Fields] OR "drug therapy"[Subheading] OR "chemotherapy"[All Fields]</p> <p><b>surgery:</b> "surgery"[Subheading] OR "surgery"[All Fields] OR "surgical procedures, operative"[MeSH Terms] OR ("surgical"[All Fields] AND "procedures"[All Fields] AND "operative"[All Fields]) OR "operative surgical procedures"[All Fields] OR "general surgery"[MeSH Terms] OR ("general"[All Fields] AND "surgery"[All Fields]) OR "general surgery"[All Fields] OR "surgery's"[All Fields] OR "surgerys"[All Fields] OR "surgeries"[All Fields]</p>	95	13:17:51

# MeSH

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MeSH is Medical Subject Headings, a thesaurus and taxonomy used to index MEDLINE records

- PubMed has all of MEDLINE in it and some extra records as well, so not everything in PubMed has MeSH terms assigned

Words after a forward slash / are subheadings

Terms with an asterisk \* are Major Topic

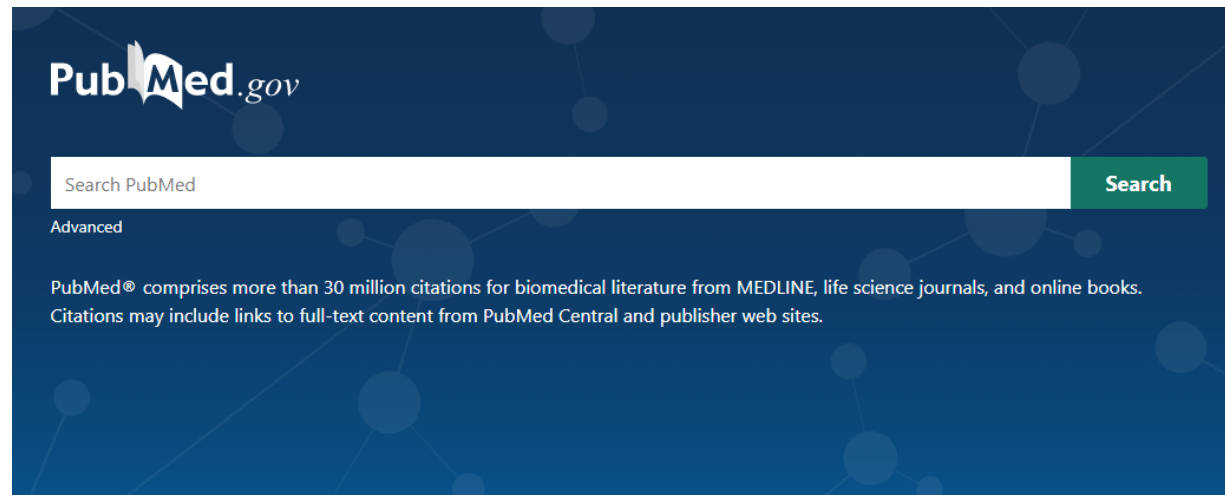
## MeSH terms

- > Adult
- > Aged
- > Aged, 80 and over
- > Antineoplastic Combined Chemotherapy Protocols / therapeutic use\*
- > Biomarkers, Tumor / metabolism
- > Breast Neoplasms / metabolism
- > Breast Neoplasms / mortality\*
- > Breast Neoplasms / pathology
- > Breast Neoplasms / therapy
- > Chemotherapy, Adjuvant
- > Combined Modality Therapy / mortality\*
- > Female
- > Follow-Up Studies
- > Humans
- > Mammoplasty / mortality\*
- > Mastectomy / mortality\*
- > Middle Aged
- > Neoadjuvant Therapy / mortality\*
- > Prognosis
- > Receptor, ErbB-2 / metabolism
- > Receptors, Estrogen / metabolism
- > Receptors, Progesterone / metabolism
- > Retrospective Studies
- > Survival Rate
- > Time-to-Treatment\*

# MeSH

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To look up a MeSH term, use the MeSH database



## Learn

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[Clinical Queries](#)  
[Single Citation Matcher](#)



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[FTP](#)  
[Batch Citation Matcher](#)



## Explore

[MeSH Database](#)  
[Journals](#)

# MeSH

## Mastectomy

Surgical procedure to remove one or both breasts.

PubMed search builder options

[Subheadings:](#)

- adverse effects
- classification
- complications
- economics
- education
- epidemiology
- ethics
- etiology
- instrumentation
- legislation and jurisprudence
- methods
- mortality
- nursing
- organization and administration
- pharmacology
- psychology
- rehabilitation
- standards
- statistics and numerical data
- supply and distribution
- therapeutic use
- therapy
- trends
- veterinary

- Restrict
- Do not

Tree Num

MeSH Uni

Entry Term

- Mastectomies
- Mammectomy
- Mammectomies

[All MeSH Categories](#)

[Analytical, Diagnostic and Therapeutic Techniques and Equipment Category](#)

[Surgical Procedures, Operative](#)

**Mastectomy**

[Mastectomy, Radical](#)

[Mastectomy, Extended Radical](#)

[Mastectomy, Modified Radical](#)

[Mastectomy, Segmental](#)

[Mastectomy, Simple](#)

[Mastectomy, Subcutaneous](#)

[Prophylactic Mastectomy](#)

MeSH heading and definition

Check the taxonomic tree to make sure you're in the right place: can go broader or narrower

Check these subheadings to limit to only certain aspects of these topics

# MeSH

## Mastectomy

Surgical procedure to remove one or both breasts.

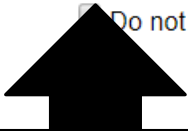
PubMed search builder options

[Subheadings:](#)

- adverse effects
- classification
- complications
- economics
- education
- epidemiology
- ethics
- etiology
- history
- instrumentation
- legislation and jurisprudence
- methods
- mortality
- nursing
- organization and administration
- pharmacology
- psychology
- rehabilitation
- standards
- statistics and numerical data
- supply and distribution
- therapeutic use
- therapy
- trends
- veterinary

Restrict to MeSH Major Topic.

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



The Major Topic box limits to only  
the most relevant articles

# MeSH

Terms with an asterisk \* are Major Topics

They indicate that a paper is really about those topics

## MeSH terms

- > Adult
- > Aged
- > Aged, 80 and over
- > Antineoplastic Combined Chemotherapy Protocols / therapeutic use\*
- > Biomarkers, Tumor / metabolism
- > Breast Neoplasms / metabolism
- > Breast Neoplasms / mortality\*
- > Breast Neoplasms / pathology
- > Breast Neoplasms / therapy
- > Chemotherapy, Adjuvant
- > Combined Modality Therapy / mortality\*
- > Female
- > Follow-Up Studies
- > Humans
- > Mammoplasty / mortality\*
- > Mastectomy / mortality\*
- > Middle Aged
- > Neoadjuvant Therapy / mortality\*
- > Prognosis
- > Receptor, ErbB-2 / metabolism
- > Receptors, Estrogen / metabolism
- > Receptors, Progesterone / metabolism
- > Retrospective Studies
- > Survival Rate
- > Time-to-Treatment\*

# MeSH

## **Mastectomy**

Surgical procedure to remove one or both breasts.

PubMed search builder options

[Subheadings:](#)

- |  |  |
|--|--|
| <input type="checkbox"/> adverse effects | <input type="checkbox"/> instrumentation                 |
| <input type="checkbox"/> classification  | <input type="checkbox"/> legislation and jurisprudence   |
| <input type="checkbox"/> complications   | <input type="checkbox"/> methods                         |
| <input type="checkbox"/> economics       | <input type="checkbox"/> mortality                       |
| <input type="checkbox"/> education       | <input type="checkbox"/> nursing                         |
| <input type="checkbox"/> epidemiology    | <input type="checkbox"/> organization and administration |
| <input type="checkbox"/> ethics          | <input type="checkbox"/> pharmacology                    |
| <input type="checkbox"/> etiology        | <input type="checkbox"/> psychology                      |
| <input type="checkbox"/> history         |  |

Click Add to search builder if you want to search PubMed with this term

PubMed Search Builder

Add to search builder AND ▾

Search PubMed

YouTube Tutorial

Related information

PubMed

PubMed - Major Topic

Clinical Queries



# MeSH

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## Why use MeSH terms at all?

- To be quick
  - Get to the most relevant information by using a subheading with Major Topic
- To be thorough
  - PubMed has many short, vague, or missing abstracts. MeSH indexing gives another source of searchable information about the content besides the publisher-provided title and abstract

# Questions?

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# Introducing Embase

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Large database of biomedical literature similar to PubMed

Embase vs. PubMed/MEDLINE

- Embase claims to have 2700+ journals not indexed in MEDLINE
- Stronger coverage outside North America
- 1.75 million conference abstracts from 5500+ conferences

<http://www.embase.com>

- Need proxy or VPN to access from off-campus

# Embase

The default search screen is called “Quick search”

The screenshot shows the Embase Quick Search interface. At the top, there is a blue banner with the text "The first Entree release in 2019 is now available!" and a link "See what's new." Below this is the Embase logo and a navigation menu with options: Search, Entree, Journals, Results, My tools, Register, Login, and a notification bell icon with "(1)".

The main search area is titled "Quick Search" and has a sub-menu with options: Quick, PICO, PV Wizard, Advanced, Drug, Disease, Device, Article, and Authors. The "Quick" option is circled in red. Below this is a search bar with a dropdown menu set to "Quick search" (also circled in red) and a search input field containing "Search for... e.g. 'heart attack' AND stress".

Below the search bar are three search criteria rows, each with an "AND" operator, a dropdown menu, and a search input field:

- Row 1: "AND" dropdown, "Journal name" dropdown, "e.g. american heart" input, search icon, and trash icon.
- Row 2: "AND" dropdown, "Author name" dropdown, "e.g. watson j" input, search icon, and trash icon.
- Row 3: "AND" dropdown, "Author's first name" dropdown, "e.g. Mary Jane" input, search icon, and trash icon.

Below these rows is a "+ Add search field" button. To the right of the search bar is a "Show 0 results" button.

At the bottom, there are filter options:

- "Limit to:" section with checkboxes for "Publication years (including):" (set to 2019 to 2019) and "Records added to Embase (including end date):" (set to 1-1-2016 to 31-12-2016).
- "Evidence Based Medicine" section with checkboxes for "Cochrane Review", "Systematic Review", "Meta Analysis", "Controlled Clinical Trial", and "Randomized Controlled Trial".

# Embase

As you start typing a search query, Embase will prompt you to use a controlled vocabulary term (more on that soon)

The screenshot displays the Embase search interface. At the top, there is a blue banner with the text "The first Emtree release in 2019 is now available!" and a "See what's new." link. Below this is the Embase logo and a navigation menu with links for Search, Emtree, Journals, Results, My tools, Register, Login, and a notification bell icon showing 1 notification. A "Quick Search" section is highlighted in blue. Below this, there are tabs for "Quick", "PICO", "PV Wizard", "Advanced", "Drug", "Disease", "Device", "Article", and "Authors". The "Quick" tab is active. The search form consists of several fields: "Quick search" (containing "heart attac"), "Journal name" (containing "e.g. american heart"), "Author name" (containing "e.g. watson j"), and "Author's first name" (containing "e.g. Mary Jane"). A dropdown menu is open under the "Quick search" field, showing a suggestion: "heart attack use: heart infarction" with a count of 375,607. Below the search fields are buttons for "Add search field" and "Reset form". At the bottom, there are filter options: "Limit to:" with checkboxes for "Publication years (including):" (set to 2019 to 2019) and "Records added to Embase (including end date):" (set to 1-1-2016 to 31-12-2016). There is also an "Evidence Based Medicine" section with checkboxes for "Cochrane Review", "Systematic Review", "Meta Analysis", "Controlled Clinical Trial", and "Randomized Controlled Trial".

# Embase

As you start typing a search query, Embase will prompt you to use a controlled vocabulary term (more on that soon)

It will also show you how many results you'll get for that query

The screenshot displays the Embase Quick Search interface. At the top, there is a navigation bar with the Embase logo and links for Search, Emtree, Journals, Results, My tools, Register, and Login. A notification banner at the top left states "The first Emtree release in 2019 is now available! See what's new." Below the navigation bar, the "Quick Search" section is active, with tabs for Quick, PICO, PV Wizard, Advanced, Drug, Disease, Device, Article, and Authors. The search form includes several input fields: "Quick search" (containing "heart attac"), "Journal name" (with a dropdown), "Author name" (with a dropdown), and "Author's first name" (with a dropdown). A dropdown menu is open under the "Quick search" field, showing a suggestion: "heart attack use heart infarction" with a radio button next to it. To the right of this suggestion, the number "375,607" is displayed. Below the search form, there are options to "Add search field" and "Reset form". At the bottom of the page, there are sections for "Limit to:" (with checkboxes for "Publication years" and "Records added to Embase") and "Evidence Based Medicine" (with checkboxes for "Cochrane Review", "Systematic Review", "Meta Analysis", "Controlled Clinical Trial", and "Randomized Controlled Trial").

# Embase

The first Emtree release in 2019 is now available! [See what's new.](#)

Embase®

Results

'heart attack'/exp OR 'heart attack' OR (('heart'/exp OR heart) AND attack)

Search > Mapping ▾ Date ▾ Sources ▾ Fields ▾ Quick limits ▾ EBM ▾ Pub. types ▾ Languages ▾ Gender ▾ Age ▾ Animal ▾

Results Filters

+ Expand - Collapse all Apply >

Sources ▾

Drugs ▾

Diseases ▾

Devices ▾

Floating Subheadings ▾

Age ▾

Gender ▾

Study types ▾

Publication types ▾

Journal titles ▾

Publication years ▾

Authors ▾

Conference Abstracts ▾

History Save | Delete | Print view | Export | Email Combine > using  And

#1 'heart attack'/exp OR 'heart attack' OR (('heart'/exp OR heart) AND attack)

394,072 results for search #1 [Set email alert](#) [Set RSS feed](#) [Search details](#) [Index m](#)

Results View | Print | Export | Email | Order | Add to Clipboard

Select number of items ▾ Selected: 0 (clear)

1 Culprit lesion location and outcome in patients with cardiogenic shock complicating myoca  
Fürnau G., Fengler K., Desch S., Eitel I., De Waha S., Böhm M., PöB J., Schneider S., Schuler G., Werdan K., Zeymer U., Tr  
*Wiener Klinische Wochenschrift* 2016 128:3 Supplement 1 (S271-S272)

Embase [Abstract](#) [Index Terms](#) [View Full Text](#) [UC-eLinks](#)

2 Culprit vessel versus multivessel intervention for primary percutaneous coronary intervent  
study of 9,377 patients  
Iqbal B., Ilesley C., Kabir T., Smith R., Lane R., Mason M., Archbold A., Crake T., Firoozi S., Kalra S., Knight C., Lim P., Math  
*Journal of the American College of Cardiology* 2014 63:12 SUPPL. 1 (A6-)

Embase [Abstract](#) [Index Terms](#) [View Full Text](#) [UC-eLinks](#)

3 The physician's role in minimizing prehospital delay in patients at high risk for acute myoca  
Dracup K., Alonzo A.A., Atkins J.M., Bennett N.M., Braslow A., Clark L.T., Eisenberg M., Ferdinand K.C., Frye R., Green L.,  
White S.K.

*Annals of Internal Medicine* 1997 126:8 (645-651) Cited by: 146

Embase MEDLINE [Abstract](#) [Index Terms](#) [View Full Text](#) [UC-eLinks](#)

Your search

Filters

Your search history, which can be reused and recombined

# Embase

The first Emtree release in 2019 is now available! [See what's new.](#)

Embase® Search Emtree Journals Results My tools Register Login (1)

Record Details

← Back to Results Export Send Add to clipboard Full record

Tell us how you are using Embase in this short survey. Link: [Embase survey](#)

Translated Title

### Culprit lesion location and outcome in patients with cardiogenic shock complicating myocardial infarction: A substudy of the IABP-SHOCK II-Trial

Wiener Klinische Wochenschrift 2016 128:3 Supplement 1 (S271 - S272)

Translated Abstract

Background: In myocardial infarction without CS the affected coronary vessel has significant influence on final infarct size and patient prognosis. For CS data on this relation are scarce. The objective of this study was to determine the prognostic relevance of the culprit lesion location in patients with cardiogenic shock (CS) complicating acute myocardial infarction. Methods: In the Intraaortic Balloon Pump in Cardiogenic Shock II (IABP-SHOCK II) trial patients with CS were randomized to therapy with intraaortic balloon pump or control. Additional CS patients not eligible for the randomized trial were included in a registry. We compared the location of the culprit lesions in these patients with regard to affected coronary vessel (left main [LM], left anterior descending [LAD], left circumflex [LCX] and right coronary artery [RCA]) and location within the vessel (proximal or mid/distal) regarding short- and long-term outcome. Results: Of 758 patients the majority had the culprit lesion in the LAD (44 %) compared to RCA (27 %), LCX (19 %) or LM (10 %). Proximal lesions were more frequent than mid/distal culprit lesions (60 vs. 40 %,  $p < 0.001$ ). No differences were observed for mortality with respect to either culprit vessel (logrank-p-value = 0.54) or proximal vs. mid/distal location of the culprit lesion (log-rank-p-value = 0.45). This was also true after multivariable adjustment, independent predictors of outcome were serum lactate, success of revascularization, age, serum creatinine, prior stroke, known peripheral artery disease and left bundle branch block at admission. Conclusions: For patients with CS complicating myocardial infarction, the culprit lesion localization seems to be unrelated with mortality.

Similar records Full text on publisher's website Print record

UC-Links

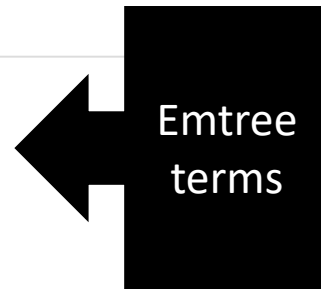
Search more from author:

- Furnau G.
- Fengler K.
- Desch S.
- Eitel I.
- De Waha S.
- Bohm M.
- Poss J.
- Schneider S.
- Schuler G.
- Werdan K.
- Zeymer U.

Show all authors (12) >

Disease Terms

acute heart infarction, cardiogenic shock, cerebrovascular accident, heart left bundle branch block, peripheral occlusive artery disease





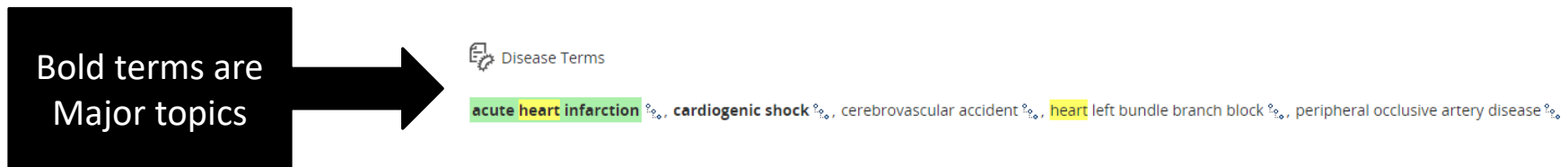
# Emtree

---

Emtree is Embase's version of MeSH

Standardized subject headings

From an Embase record you can click the tiny icon to go to that term's Emtree record



Or click Emtree in the top right corner of the screen



# Emtree

Index term in taxonomic tree

- Broader
- Narrower

Explode to include all narrower terms

**Query Builder** ▼  
Build a multi-term search query

Find Term **Browse by Facet**

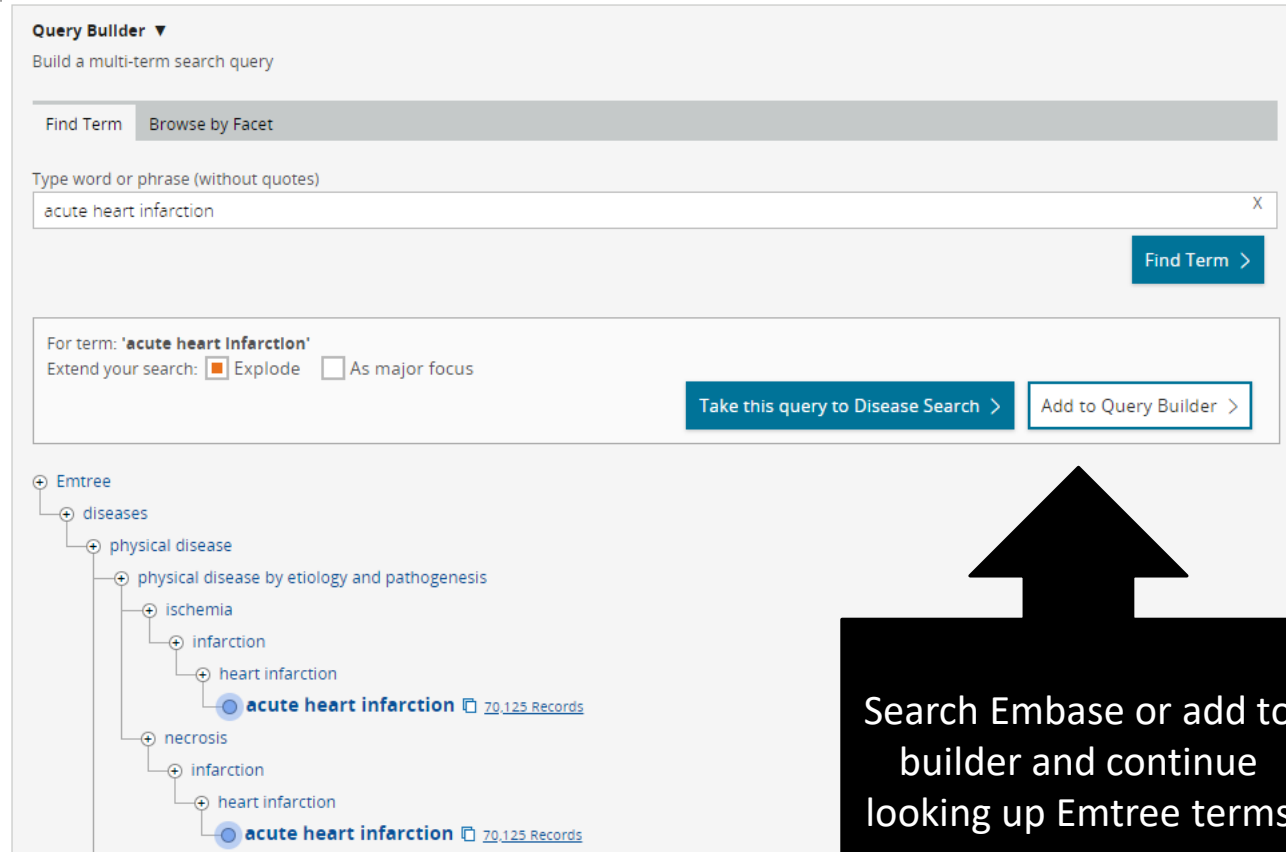
Type word or phrase (without quotes)  
acute heart infarction X

Find Term >

For term: '**acute heart infarction**'  
Extend your search:  Explode  As major focus

Take this query to Disease Search > Add to Query Builder >

⊕ Emtree  
⊕ diseases  
⊕ physical disease  
⊕ physical disease by etiology and pathogenesis  
⊕ ischemia  
⊕ infarction  
⊕ heart infarction  
⊕ **acute heart infarction** 70,125 Records  
⊕ necrosis  
⊕ infarction  
⊕ heart infarction  
⊕ **acute heart infarction** 70,125 Records



Search Embase or add to builder and continue looking up Emtree terms

# Embase's special search screens

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Embase has a number of search interfaces that are tailored towards particular types of searches

Embase®

Quick Search

Quick

PICO

PV Wizard

Advanced

Drug

Disease

Device

Article

Authors

# Embase's special search screens

PICO search prompts you to format your question as PICO

Search or browse Emtree terms, or start typing and accept the pop up suggestions

Find best term

- Emtree
  - anatomical concepts
  - biological functions
  - biomedical disciplines, science and art
  - chemical, physical and mathematical phenomena
  - chemicals and drugs
  - diseases
  - geographic names
  - groups by age and sex
  - health care concepts
  - named groups of persons
  - organisms
  - procedures, parameters and devices
  - society and environment
  - types of article or study

Population  
e.g. diabetes

---

Intervention  
e.g. insulin

---

Comparison  
e.g. placebo

---

Outcome  
e.g. risk

---

Study design (or miscellaneous)  
e.g. randomized controlled trial

# Embase's special search screens

## PV Wizard for pharmacovigilance

### PV Wizard - Drug Name Select Language | ▼

Quick PICO **PV Wizard** Advanced Drug Disease Device Article Authors [EMA's MLM searches >](#)

Drug name Alternative drug names Adverse drug reactions Special situations Human limit

Drug name

e.g. Paracetamol Clear field

**Subheadings**

<input checked="" type="checkbox"/> Adverse drug reaction	<input type="checkbox"/> Drug combination
<input checked="" type="checkbox"/> Drug toxicity	<input type="checkbox"/> Drug comparison
<input checked="" type="checkbox"/> Drug interaction	<input type="checkbox"/> Drug therapy

# Embase's special search screens

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## Advanced

- More control over fields
- Options for Emtree
- Search limits

[Search >](#) [Mapping ^](#) [Date v](#) [Sources v](#) [Fields v](#) [Quick limits v](#) [EBM v](#) [Pub. types v](#) [Languages v](#) [Gender v](#) [Age v](#) [Animal v](#) [Search tips v](#)  
Embase mapping options [Clear page selections](#) [Collapse](#)  
 Map to preferred term in Emtree  Limit to terms indexed in article as 'major focus'  
 Search also as free text in all fields  
 Explode using narrower Emtree terms  
 Search as broadly as possible

# Embase's special search screens

## Drug, Disease, Device

- Highlights fields and Emtree subheadings relevant to these topics

The image displays three examples of Embase's special search screens, each with a search bar and a navigation menu. The first screen is for 'Drug' (e.g. 'low molecular weight heparin'), the second for 'Disease' (e.g. 'acute myeloblastic leukaemia'), and the third for 'Device' (e.g. 'mydevice'). Each screen has a 'Search >' button and a 'Mapping ^' button. The navigation menu for each screen includes: Date, Sources, Drug fields, Drug subheadings, Routes, Quick limits, EBM, Pub. types, Languages, and Search tips. The third screen also includes 'Device fields' and 'Device subheadings' in the navigation menu. Below the navigation menu, there are 'Embse mapping options' and 'Clear page selections' and 'Collapse' buttons. The mapping options are:

- Map to preferred term in Emtree
- Search also as free text in all fields
- Explode using narrower Emtree terms
- Search as broadly as possible
- Limit to terms indexed in article as 'major focus'

# Embase's special search screens

---

## Article

- Citation matching

Article title: <input type="text"/>	ISSN: <input type="text"/>
Author Name: e.g. Smith J.A. <input type="text"/>	CODEN: This is only available for titles added before 2005 <input type="text"/>
Journal Title: <input checked="" type="checkbox"/> Exact <input type="text"/>	Volume: <input type="text"/>
Abbreviated Journal Title: <input checked="" type="checkbox"/> Exact <input type="text"/>	Issue: <input type="text"/>
<input type="checkbox"/> Publication Years from: 2019 ▼ to 2019 ▼	First page: <input type="text"/>
<input type="button" value="Search &gt;"/>	



# Embase's special search screens

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## Author

- Disambiguate authors & their affiliations

Author last name e.g. Watson	Author first name e.g. John
Affiliation e.g. University of Toronto	First name initials e.g. H.
ORCID e.g. 1111-2222-3333-444x	Find author >

# Proximity searching

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NEAR/X and NEXT/X

	Title,Abstract,Author keywords ▾	time NEAR/2 (surgery OR mastectomy)
AND ▾	Title,Abstract,Author keywords ▾	"breast cancer"
AND ▾	Title,Abstract,Author keywords ▾	chemotherapy

# Questions?

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[bethanymyers@library.ucla.edu](mailto:bethanymyers@library.ucla.edu)

# Getting full text of articles

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