



ELSEVIER

# Embase生物醫學資料庫

## 特色介紹與搜尋實作

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# Agenda

- 甚麼是Embase? Embase可以為您做些甚麼?
- 認識Emtree詞彙、深度索引
- 其他好用的過濾器與工具Filters & Tools
- PICO 搜尋 – 實證醫學的好幫手
- 實作：**健康成人攝取魚油是否可以預防心血管疾病?**
- PV Wizard/Medical Devices 藥物警戒與醫療器材搜尋介面



ELSEVIER

OUR SHARED PURPOSE

TO ACCELERATE  
SCIENCE TO  
IMPROVE HEALTH

A Knowledge & Information  
Analytics Company



OUR PROMISE

Partners in propelling research  
and innovation forward to  
transform the way you bring  
new medicines to the world

OUR KEY DIFFERENTIATORS

Customer  
First  
Commitment

Our Roots  
As A  
Knowledge  
Company

Open  
Integrated  
Systems

Accelerating  
Data-Driven  
Decisions

Market-  
Leading  
Talent

140+

years of scientific  
knowledge curated as  
semantically rich content to  
enable tomorrow's medical  
breakthroughs

RELX

\$1.4bn  
on technology annually

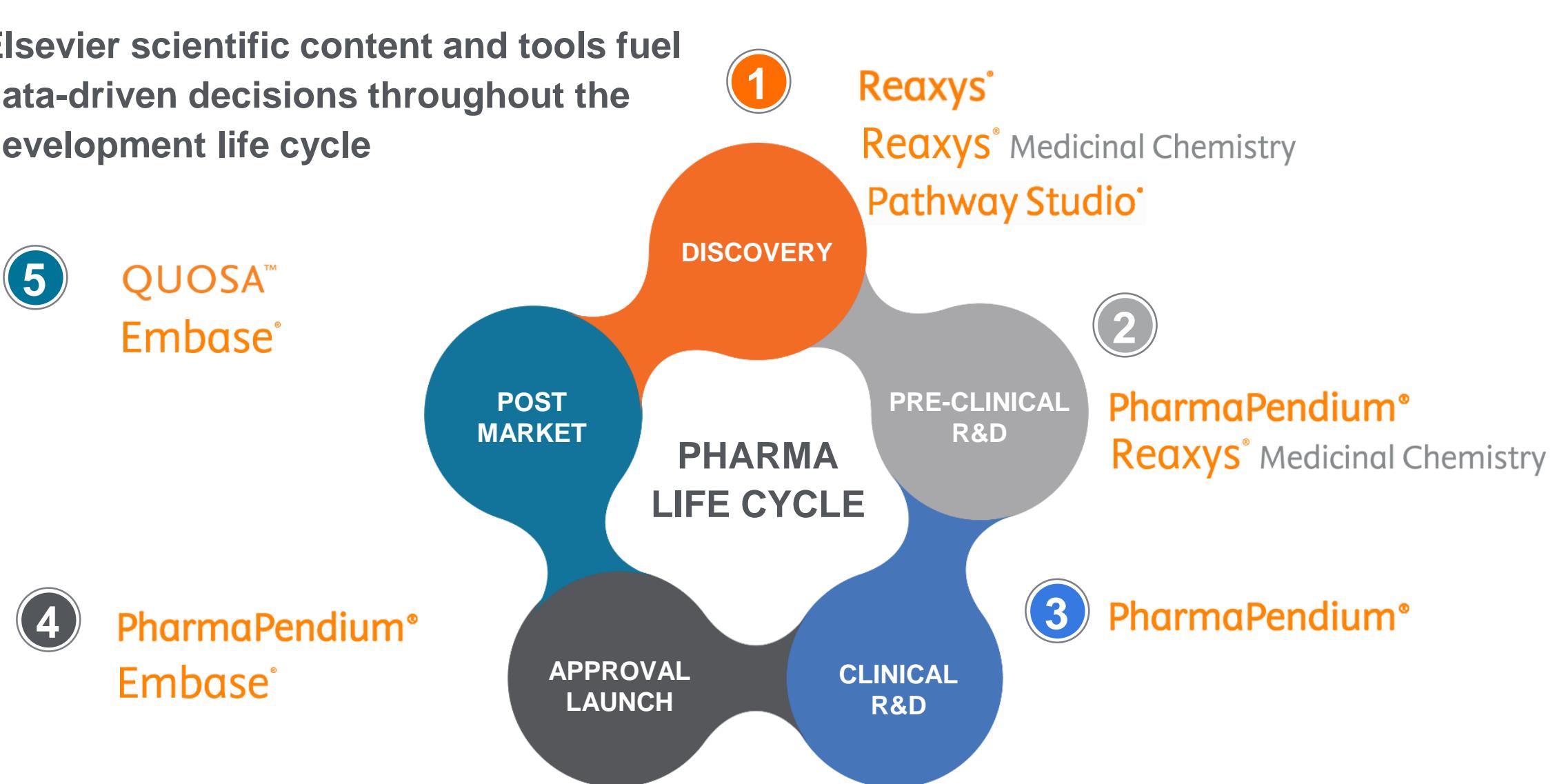
~30,000  
employees

Serving customers in

180+  
countries

Partnering with  
**90%**  
of top Pharma  
companies

Elsevier scientific content and tools fuel  
data-driven decisions throughout the  
development life cycle



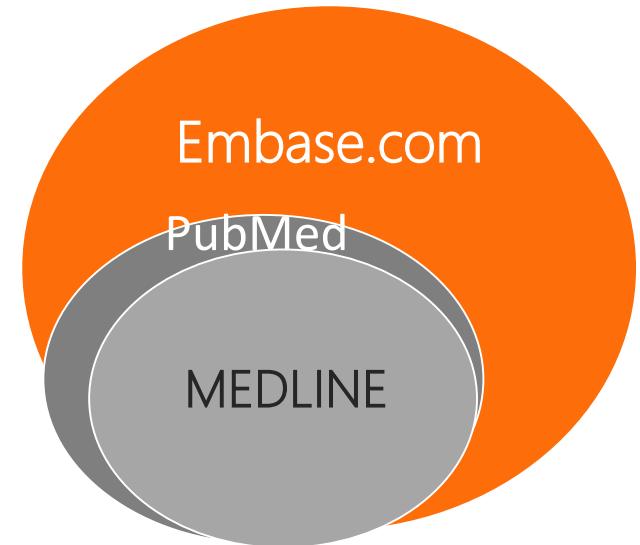
ScienceDirect   Professional Services   Embase<sup>®</sup>   Pathway Studio<sup>®</sup>   Chemtiva<sup>™</sup>  
PharmaPendium<sup>®</sup>   QUOSA<sup>™</sup>   Entellect<sup>™</sup>   Reaxys<sup>®</sup>   Reaxys<sup>®</sup> Medicinal Chemistry



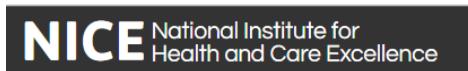
# Embase.com 最完整的生醫摘要搜索平台

- 不漏掉重要資訊 - 收錄內容最多、最新，
  - 額外收錄2,900本期刊，共8,500本生醫相關期刊
  - 即時收錄11,500國際研討會，超過三百萬筆摘要資料
- 節省時間 - 友善介面、操作直覺，
  - 四種友善搜尋介面
  - 深度Emtree索引，增加搜尋的精準度，節省人工閱讀時間
- 權威機構一致推薦使用

期刊收錄範圍示意圖：



2020.2 updated



# Embase讓你不漏掉重要資訊

- 同一關鍵字可於Embase搜尋到更多相關文章

關鍵字	Embase	Pubmed	文章倍數
Adverse Drug Reaction	1,588,130	147,495	10.76
Pharmacy	842,744	493,520	1.71
Drug Interaction	871,116	434,177	2.01
Clopidogrel (Plavix)	60,433	14,127	4.27
Aspirin	221,162	66,273	3.33
Cancer	5,145,500	4,061,864	1.26
Cardiovascular disease	4,521,979	2,512,076	1.8
Long Term Care 長照	1,764,079	135,168	13.05
Elderly Care 高齡照護	77,319	2,322	33.29



2020.2 updated

# Embase提供的內容與各種應用

## 研究人員

- 研究背景，回顧性文章
- 最新發表的某篇期刊文章
- 最新報導的國際會議文章

## 系統性回顧與統合性分析研究員

- Systematic Review/Meta analysis
- 雙盲試驗、Cochrane review等證據力高的文章

## 醫院實務同仁 Evidence Based Medicine

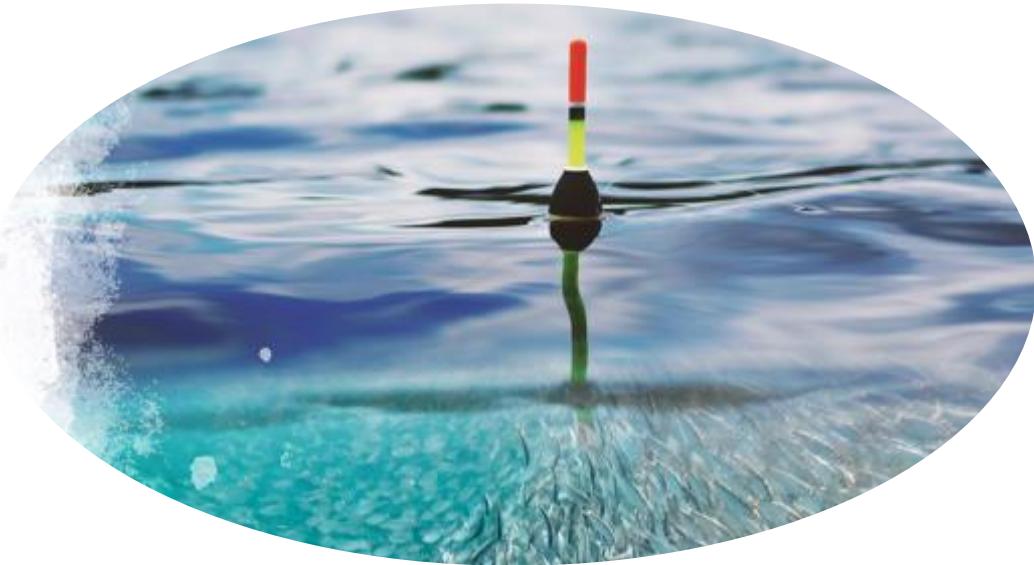
- 實證醫學的證據與相關文獻

## 藥物警戒 Pharmacovigilance

- 新藥物試驗與副作用報導
- 新醫材與副作用報導

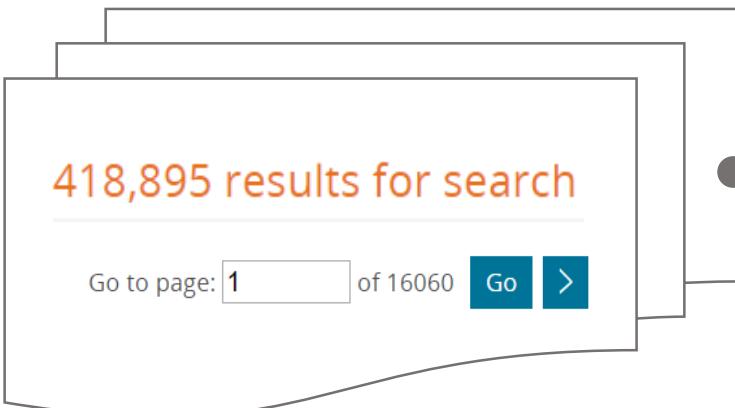


# 查詢文獻常見的困擾



1) 下關鍵字像在釣魚，各種同義詞傳回不同的結果？

→ 如何給合理的關鍵字，有系統的搜索研究主題？



2) 太多文章看不完，後面分頁假裝沒看到？

→ 除了發表年分、期刊有沒有更好用的過濾器？

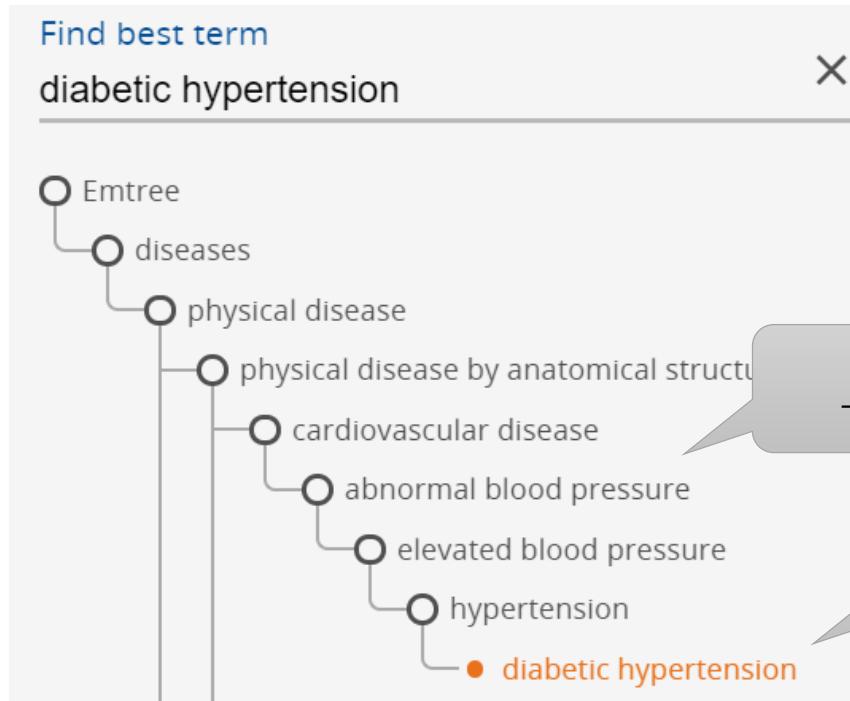


## 了解Emtree與深度索引

- ✓ Emtrie term
- ✓ 活用同義詞及下位詞

# 甚麼是 Emtree?

- 樹狀結構的生物醫學詞庫 - 包含藥物、疾病、醫療器材與生命科學的概念



上位詞

下位詞

同義詞

Embase中可查詢關鍵字在樹狀結構的位置：  
1) 搜尋上位詞 (描述更廣泛的概念 → 更多可參考文章。  
2) 搜尋下位詞 (描述更精準的概念 → 降低文章數量，  
留下最相關文章。)

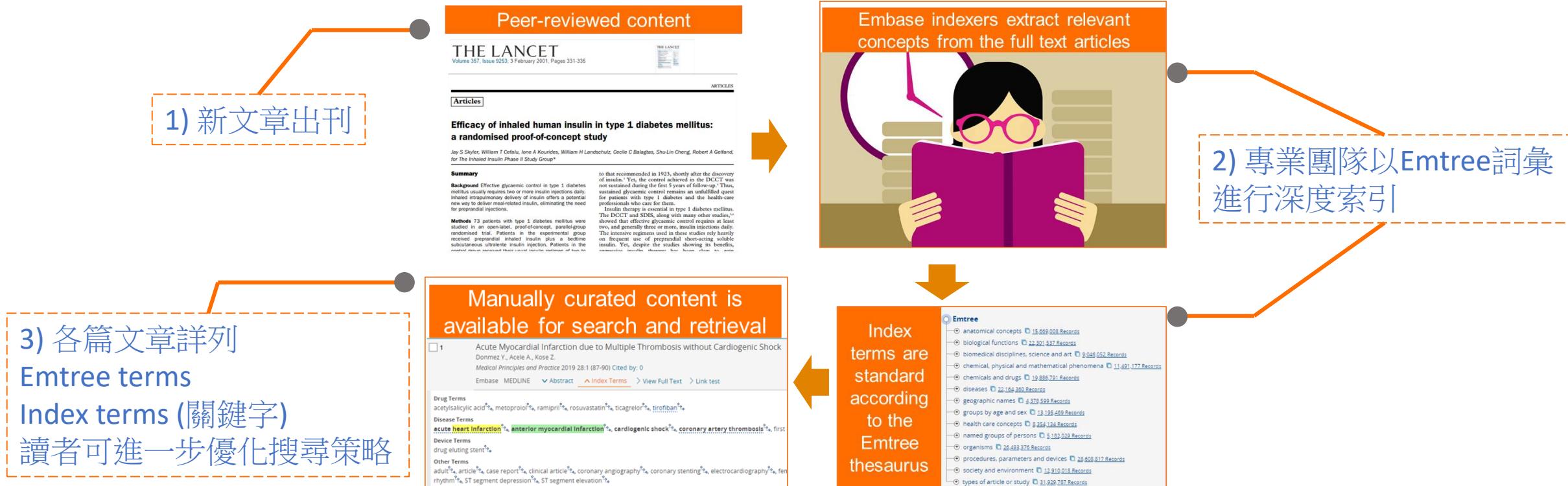
下關鍵字時最困擾的同義詞問題：  
以Emtree term進行搜尋，會自動涵蓋所有同義  
詞，確保文章一篇不漏。

## Synonyms

angiocardiopathy; angiocardiovascular disease; cardiovascular complication; cardiovascular diseases; cardiovascular disorder; cardiovascular disturbance; cardiovascular lesion; cardiovascular syndrome; cardiovascular vegetative disorder; complication, cardiovascular; disease, cardiovascular; major adverse cardiovascular event

# 甚麼是深度索引?

- ✓ Embase內容皆由專業團隊先讀完文章內容，以Emtree詞彙標上重要的概念、資訊。
- ✓ 增加您搜尋的精準度，節省大量時間



# Emtree 與 MeSH (Pubmed)比較

	Emtree	MeSH
收錄詞彙數目	> 75,400 (Include all MeSH term)	> 27,800
收錄同義詞	> 314,000	> 87,000
藥物相關	32,000 preferred terms, 200,000 synonyms	9,250 preferred terms
醫療器材相關	3,000 specific terms	Fewer and more general terms
Subheadings	82, including: 17 drug subheadings 47 routes of drug administration 14 disease subheadings 4 device subheadings	70, including: 23 main subheadings 47 children subheadings
每篇文章詞彙數	3–4 major terms, and up to 50 minor terms	10–20
每年更新頻率	3次	1次

詞彙數量越多、分類越細，文章深度索引更精準：

- 1) Embase有最完整的藥物與資療器材詞彙 → (實證醫學、系統性文獻回顧、臨床副作用監控)
- 2) 更新頻率更高





## Quick Search

- ✓ Quick search頁面
- ✓ 搜尋紀錄管理
- ✓ 結果紀錄管理

# Quick Search搜尋頁面

The screenshot shows the 'Quick Search' interface with several search tips overlaid:

- 直接輸入關鍵字** (Directly input keywords) - Points to the main search bar.
- 快速搜尋** (Quick search) - Points to the 'Quick' tab.
- AND、OR、NOT** - Points to the logical operators dropdown.
- 即時統計文章數目** (Real-time statistics of article count) - Points to the 'Show 0 results' button.
- 結合更多(期刊名稱)、(作者名稱)等更多搜尋條件。** (Combine more (journal name), (author name) and other search conditions.) - Points to the '+ Add search field' button.
- 發表年限** (Publication year) - Points to the date range selector.
- 文章類型** (Article type) - Points to the 'Evidence Based Medicine' section.

# Quick Search - 自動輸入與Emtree詞彙建議

The screenshot shows the Embase Quick Search interface. At the top, there is a navigation bar with links for Search, Emtree, Journals, Results, My tools, Register, Login, a notification bell with '(1)', and a help icon.

The main search area is titled "Quick Search". Below it, there are several search fields:

- Title,Abstract,Author keywords**: Contains the input "heart attack".
- Journal name**: Contains the input "e.g. american heart".
- Author name**: Contains the input "e.g. watson j".
- Author's first name**: Contains the input "e.g. Mary Jane".

Below these fields are dropdown menus for connecting terms with "AND" or "OR". At the bottom left are buttons for "+ Add search field" and "Reset form".

A yellow callout box highlights the "heart attack" input field and the suggestion "heart attack use: heart infarction" in the dropdown below it. The suggestion is enclosed in an orange box. A red bracket points from the right side of the callout box towards this orange box. Another red bracket points from the right side of the callout box towards the "use:" suggestion.

**提示您輸入的關鍵字相對應的  
Emtree詞彙**

- 建議以Emtree詞彙搜尋

# Quick Search – 傳統指令

Embase®

Search Emtree Journals Results My tools Register Login (1)

Quick Search

Quick PICO PV Wizard Medical device New Advanced

傳統的搜尋指令如  
'keyword' :ti, ab, kw  
都可以用下拉選單輕鬆選擇  
有相同的效果

Search tips

lung cancer

e.g. american heart

Show 238,136 results >

AND

Quick search  
All fields  
Title  
Title or Abstract  
**Title,Abstract,Author keywords**  
Author keywords

AND

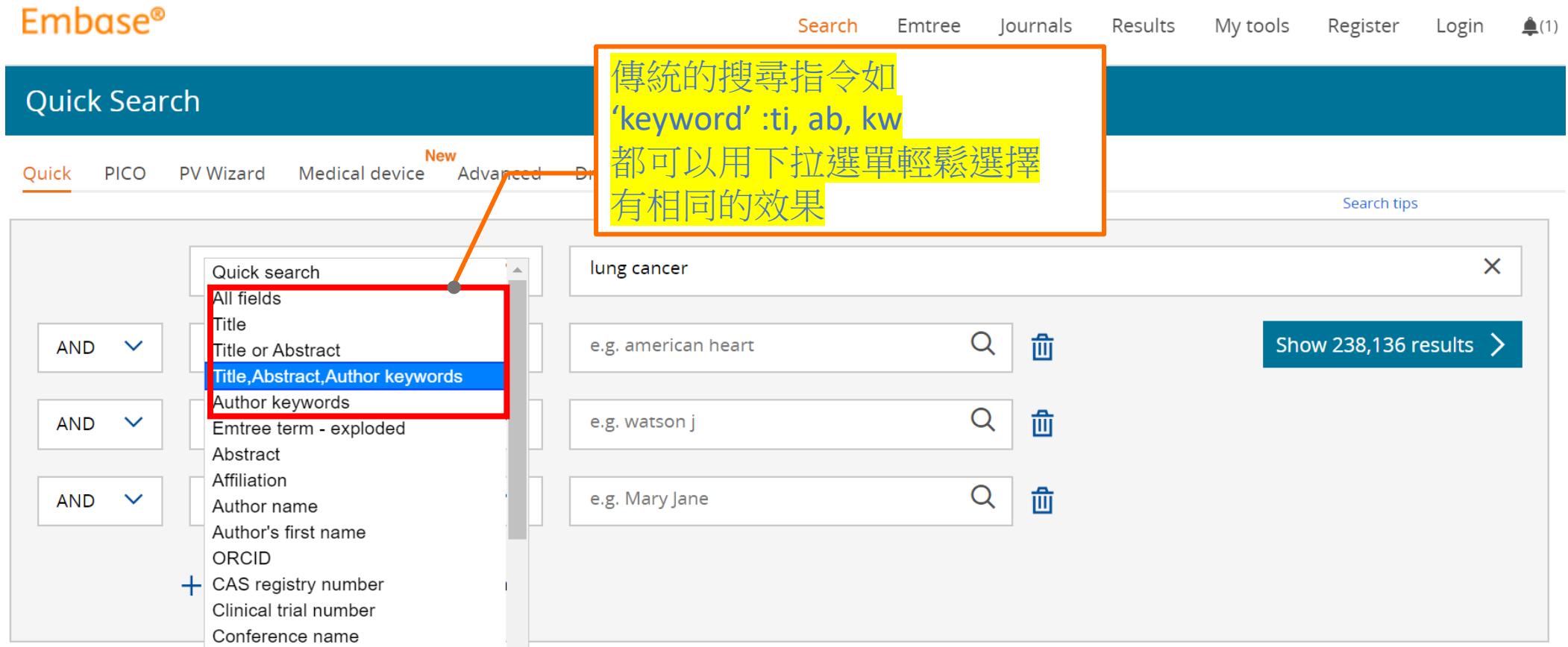
Emtree term - exploded  
Abstract  
Affiliation  
Author name  
Author's first name  
ORCID

AND

CAS registry number  
Clinical trial number  
Conference name

e.g. watson j

e.g. Mary Jane



# Quick Search – 2019 美國臨床腫瘤醫學會 ASCO 文章查詢

Embase®

Search Emtree Journals Results My tools Register Login (1)

Search tips

Conference name  X

AND ▼

Quick search  
All fields  
Title  
Title or Abstract  
Title,Abstract,Author keywords  
Author keywords  
Emtree term - exploded  
Abstract  
Affiliation  
Author name  
Author's first name  
ORCID  
CAS registry number  
Clinical trial number  
**Conference name** +

AND ▼

AND ▼

e.g. american heart  Q 刪

e.g. watson j  Q 刪

e.g. Mary lane  Q 刪

Show 5,557 results >

調整年份 2019 to 2020 1-1-2016 to 31-12-2016 日曆

Records added to Embase (including end date):

Evidence Based Medicine

Cochrane Review  Controlled Clinical Trial  
 Systematic Review  Randomized Controlled Trial  
 Meta Analysis

The screenshot shows the Embase Quick Search interface. The search term 'ASCO' is entered in the main search field. A yellow box highlights the 'Conference name' search field. Another yellow box highlights the year range '2019 to 2020'. A red line points from the 'Conference name' field to the 'Conference name' option in the dropdown menu. A red dashed box highlights the 'Conference name' dropdown menu. A red line points from the '2019' dropdown to the '2019' input field. A red line points from the '2020' dropdown to the '2020' input field. A red line points from the '1-1-2016 to 31-12-2016' input field to the calendar icon.

# Results 結果分頁導覽

Embase®

Search Emtree Journals Results My tools Register Login Ⓝ ⓘ

結果頁面位置

## Results

searches free-text by default – add /exp to explode

Search >

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

Search tips

搜尋歷史區塊

### Results Filters

+ Expand — Collapse all

Apply >

Sources

Drugs

Diseases

Devices

Floating Subheadings

Age

Gender

Study types

Publication types

### History

Save | Delete | Print view | Export | Email

Combine >

using  And  Or

^ Collapse

#3 asco:nc

54,903

#2 'lung cancer':nc

18,310

#1 'lung cancer':ti,ab,kw

238,136

54,903 results for search #3

Set email alert

Set RSS feed

Search details

Index miner

### Results

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

1 — 25

>

Select number of items ▾ Selected: 0 (clear)

Show all abstracts

Sort by:  Relevance  Publication Year  Entry Date

1

Ampullary cancer ESPAC-3 (v2) trial: A multicenter, international, open-label, randomized controlled phase III trial of adjuvant chemotherapy versus observation in patients with adenocarcinoma of the ampulla of vater  
Neoptolemos J.P., Moore M.J., Cox T.F., Valle J.W., Palmer D.H., McDonald A., Carter R., Tebbutt N.C., Dervenis C., Smith D., Glimelius B., Coxon F.Y., Lacaine F., Middleton M.R., Ghaneh P., Bassi C., Halloran C., Olah A., Rawcliffe C.L., Büchler M.W.  
*Journal of Clinical Oncology* 2011;29:18 SUPPL. 1

Embase ▾ Abstract ▾ Index Terms

Similar records >

文章過濾器

結果區塊

# Results 結果分頁導覽

Embase®

Search Emtree Journals Results My tools Register Login Ⓝ ⓘ

結果頁面位置

## Results

searches free-text by default – add /exp to explode

Search >

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

Search tips

搜尋歷史區塊

### Results Filters

+ Expand — Collapse all

Apply >

Sources

Drugs

Diseases

Devices

Floating Subheadings

Age

Gender

Study types

Publication types

### History

Save | Delete | Print view | Export | Email

Combine >

using  And  Or

^ Collapse

#3 asco:nc

54,903

#2 'lung cancer':nc

18,310

#1 'lung cancer':ti,ab,kw

238,136

54,903 results for search #3

Set email alert

Set RSS feed

Search details

Index miner

### Results

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

1 — 25

>

Select number of items ▾ Selected: 0 (clear)

Show all abstracts

Sort by:  Relevance  Publication Year  Entry Date

1

Ampullary cancer ESPAC-3 (v2) trial: A multicenter, international, open-label, randomized controlled phase III trial of adjuvant chemotherapy versus observation in patients with adenocarcinoma of the ampulla of vater  
Neoptolemos J.P., Moore M.J., Cox T.F., Valle J.W., Palmer D.H., McDonald A., Carter R., Tebbutt N.C., Dervenis C., Smith D., Glimelius B., Coxon F.Y., Lacaine F., Middleton M.R., Ghaneh P., Bassi C., Halloran C., Olah A., Rawcliffe C.L., Büchler M.W.  
*Journal of Clinical Oncology* 2011;29:18 SUPPL. 1

Embase ▾ Abstract ▾ Index Terms

Similar records >

文章過濾器

結果區塊

# Results – History Export

Embase®

Search Emtree Journals Results My tools Register Login ?

## Results

'lung cancer':nc

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

實證競賽、統合研究等，當需要探討文獻搜尋策略，可將搜尋指令匯出成各種格式

Results Filters

+ Expand - Collapse all Apply >

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

#3 asco:nc  
#2 'lung cancer':nc  
#1 'lung cancer':ti,ab,kw

54,903  
18,310

18,310 results for search #2 Set eml Edit Email alert RSS feed

點擊前次搜尋紀錄，下面Results會隨之變化

Results View | Print | Export |

Select number of items ▾ Selected: 0 (clear) Show all abstracts Sort by:  Relevance  Publication Year  Entry Date

1 — 25 >

# Results – Combine Searches

The diagram illustrates the process of combining search results across two search interfaces.

**Top Interface (Initial Search Results):**

- 1**: A red circle highlights the "History" section on the left, which lists three previous searches:
  - #3 asco:nc
  - #2 'lung cancer':nc
  - #1 'lung cancer':ti,ab,kw
- 2**: The search results table shows:
  - 54,903 results for asco:nc
  - 18,310 results for 'lung cancer':nc
  - 238,136 results for 'lung cancer':ti,ab,kw
- 3**: A green line connects the "Combine >" button to a callout box containing Chinese text: "有些進階使用者會將兩次搜尋歷史進一步進行聯集或交集".

**Bottom Interface (Combined Search Results):**

- 1**: A red circle highlights the "History" section on the left, which now includes a new entry:
  - #4 #1 AND #3
- 2**: The search results table shows:
  - 6,190 results for the combined query (#1 AND #3)
  - 18,310 results for 'lung cancer':nc
  - 238,136 results for 'lung cancer':ti,ab,kw
- 3**: A yellow line connects the entry "#4 #1 AND #3" in the history to a yellow callout box containing Chinese text: "產出新的搜尋紀錄".

# Results – 輸出至書目管理工具(1)

The screenshot shows the Embase search results interface. A red path highlights the following steps:

- 1**: Points to the "Publication years" dropdown menu, which is highlighted with a yellow box and labeled "下拉選擇文章選取範圍".
- 2**: Points to the "Results" dropdown menu, which is highlighted with a yellow box and labeled "點下Results".
- 3**: Points to the "Export" button, which is highlighted with a green box and labeled "點下Export".

The search results page displays 238,136 results for search #1. The results list includes two entries:

- 1. "Under Screening Registry Reveals Low-dose CT Screening Remains Heavily Underutilized" by Chandari S., Pinkston C., Oechslin M., Kloecker G. (Clinical Lung Cancer 2020) Cited by: 0
- 2. "Association Between Nicotine-dependent Gene Polymorphism and Smoking Cessation in Patients With Lung Cancer" by Gu F., Zhao C., Jiang T., Li X., Mao Y., Zhou C. (Clinical Lung Cancer 2020) Cited by: 0

Other visible interface elements include:

- Search bar: Search Embase journals
- Navigation: Results, My tools, Register, Login, Notifications (1)
- Help: ?
- Search details: Set email alert, Set RSS feed, Index miner
- Page navigation: 1 - 25, >
- Sort options: Relevance, Publication Year, Entry Date
- View options: Show all abstracts, Abstract, Index Terms, View Full Text
- Similar records links

# Results – 輸出至書目管理工具(2)

Export Data

Embase® Choose a format:

Content:

- Drugs
- Diseases
- Devices
- Floating Subheads
- Age
- Gender
- Study types
- Publication types
- Journal titles
- Publication years
- Authors

RIS format (Mendeley, EndNote)

RIS format (Mendeley, EndNote)

- RefWorks Direct Export
- CSV - Fields by Row
- CSV - Fields by Column
- Plain Text
- XML
- MS Word
- MS Excel - Fields by Row
- MS Excel - Fields by Column
- PDF

JF: Journal Title (full)  
JO: Journal Title  
KW: Keyword  
L2: DOI/full text link

A: Language of article  
M1: Author addresses  
M3: Publication type  
N2: Abstract (English)  
J1: Abstract (Non-English)  
SN: Serial number (ISSN/ISBN)  
SP: Start page  
T1: Title (English)  
T2: Title (Non-English)  
Y: Source type, Journal, Book, etc  
J2: Embase identification number (PUI)  
J3: AiP/IP entry date  
J4: Full record entry date  
UR: Web URL - Full record link to Embase  
VL: Volume  
Y1: Publication year

Records selected: 25

4 選擇RIS format

5 Export

Save export preferences > Cancel > Export >

The screenshot shows the 'Export Data' section of the Embase interface. On the left, there's a sidebar with various filters like Drugs, Diseases, Devices, etc. The main area has a 'Choose a format:' dropdown set to 'RIS format (Mendeley, EndNote)'. Below it is a list of other formats: RefWorks Direct Export, CSV - Fields by Row, CSV - Fields by Column, Plain Text, XML, MS Word, MS Excel - Fields by Row, MS Excel - Fields by Column, and PDF. Under PDF, there's a list of fields: JF: Journal Title (full), JO: Journal Title, KW: Keyword, and L2: DOI/full text link. To the right of the list is a detailed description of each field. At the bottom right are 'Cancel >' and 'Export >' buttons. A red arrow labeled '4' points to the 'RIS format (Mendeley, EndNote)' button, and another red arrow labeled '5' points to the 'Export >' button. A green box highlights the 'RIS format (Mendeley, EndNote)' button, and another green box highlights the 'Export >' button.

# Results – 輸出至書目管理工具 (3)

The screenshot shows a web browser window with the URL [embase.com/search/download](https://www.embase.com/search/download). The page title is "Embase®". In the center, there is a box containing the following text:  
Ready for download  
Export ready for download.  
[Download >](#)

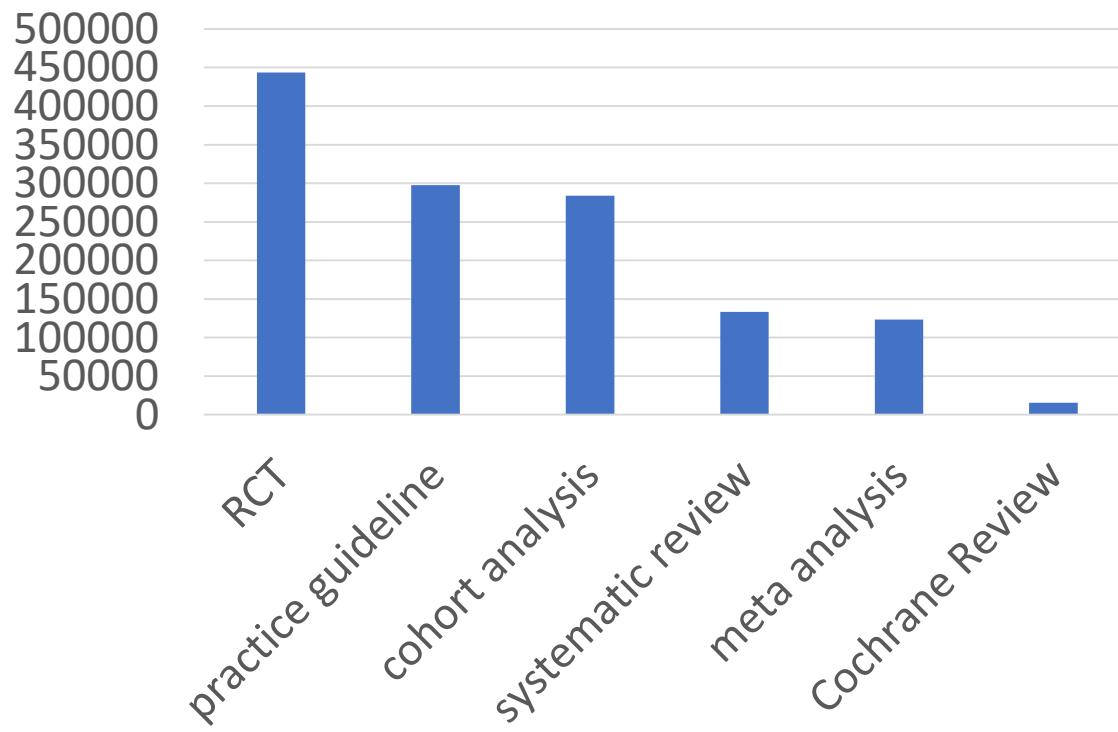
A red number "6" is placed above the "Ready for download" text. A green dashed box surrounds the "Download >" button, which is also highlighted with a green border. The Elsevier logo is at the bottom left, and the RELX logo is at the bottom right.



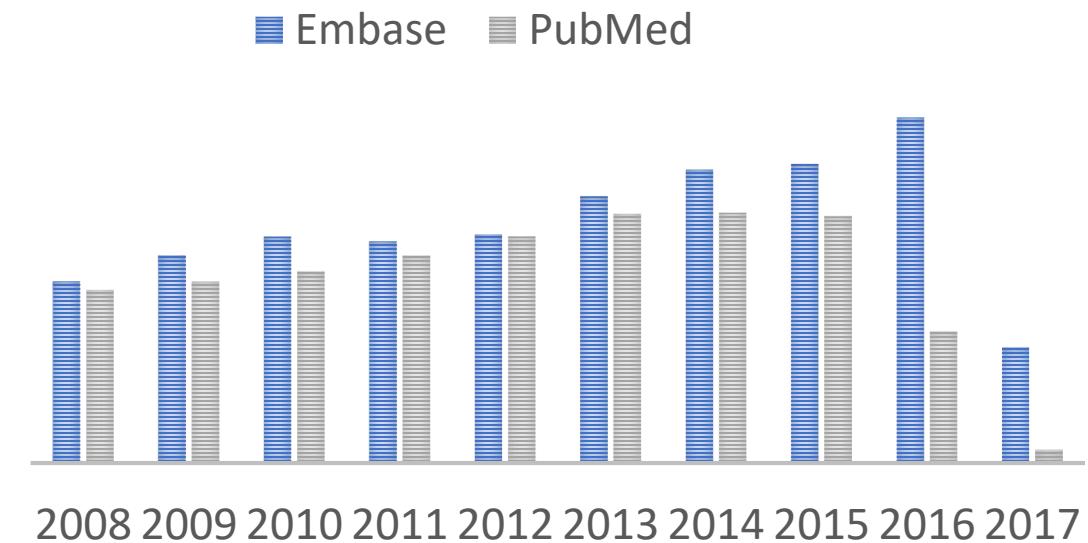
## PICO Search

- ✓ Quick search頁面
- ✓ 搜尋紀錄管理
- ✓ 結果紀錄管理

# Embase為系統性文獻回顧必備工具



RCT (Randomized Control Trial) 更新速度



2017.5.16 updated

# 以PICO 架構組成一個臨床問題

**PICO – Population, Patient, Problem**



**PICO - Intervention**



**PICO - Comparison**



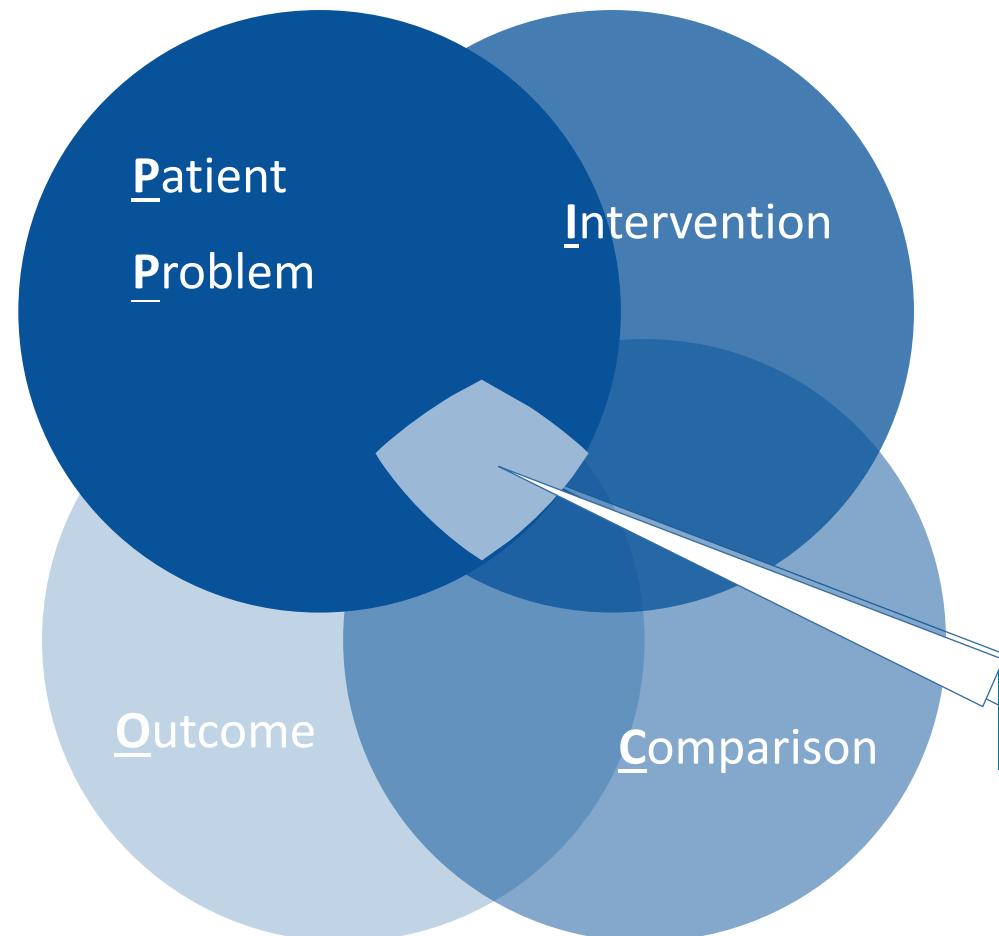
**PICO - Outcome**



# 健康成人攝取魚油是否可以預防心血管疾病？

成人  
Adult (18-64歲)

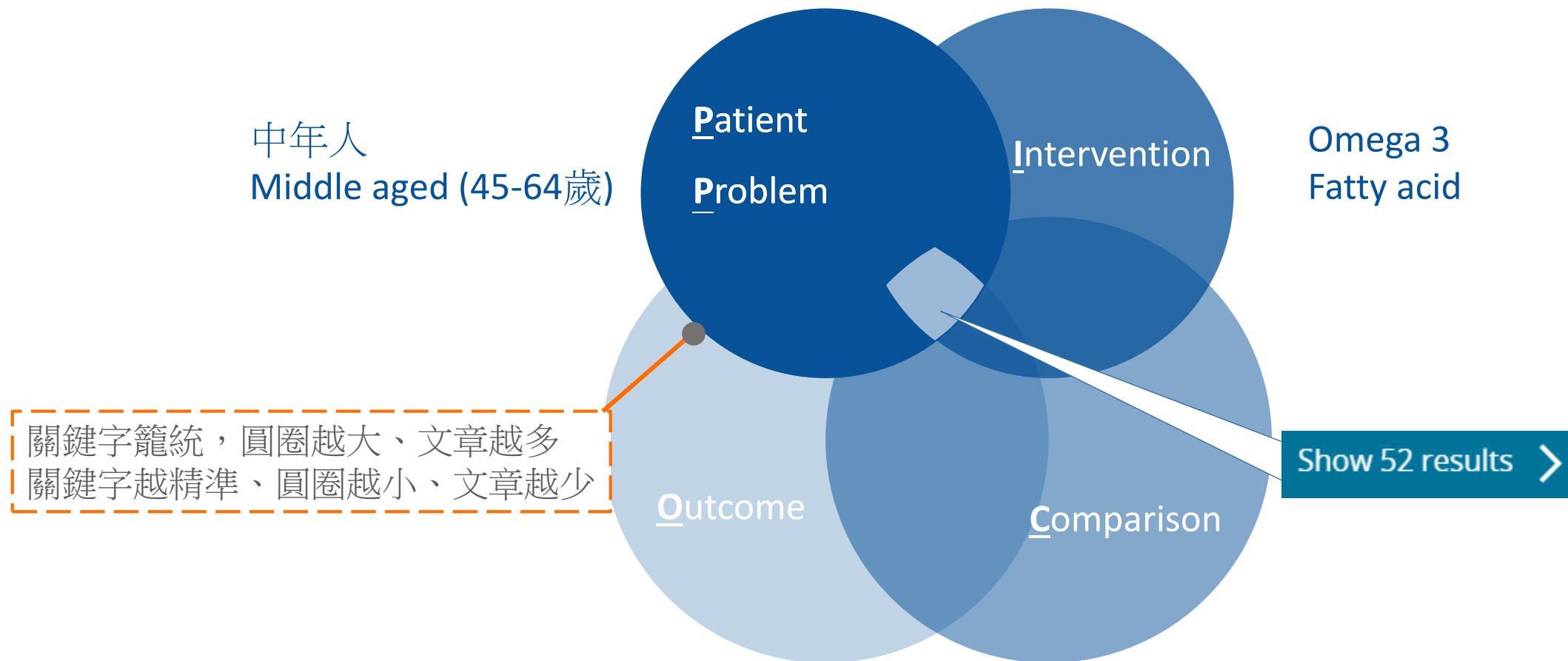
預防心血管疾病  
Prevention of CVD



魚油  
Fish oil

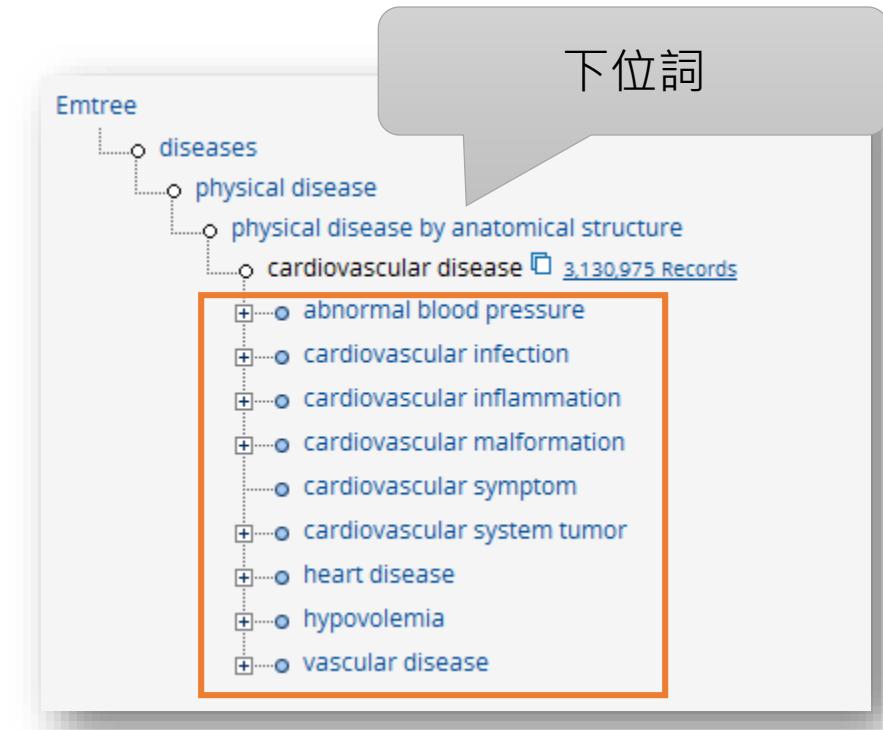
Show 36,811 results >

# 健康成人攝取魚油是否可以預防心血管疾病？



# 搜尋指令 – 調整搜尋範圍

/EXPLODE /BROAD 增加搜尋範圍



下位詞

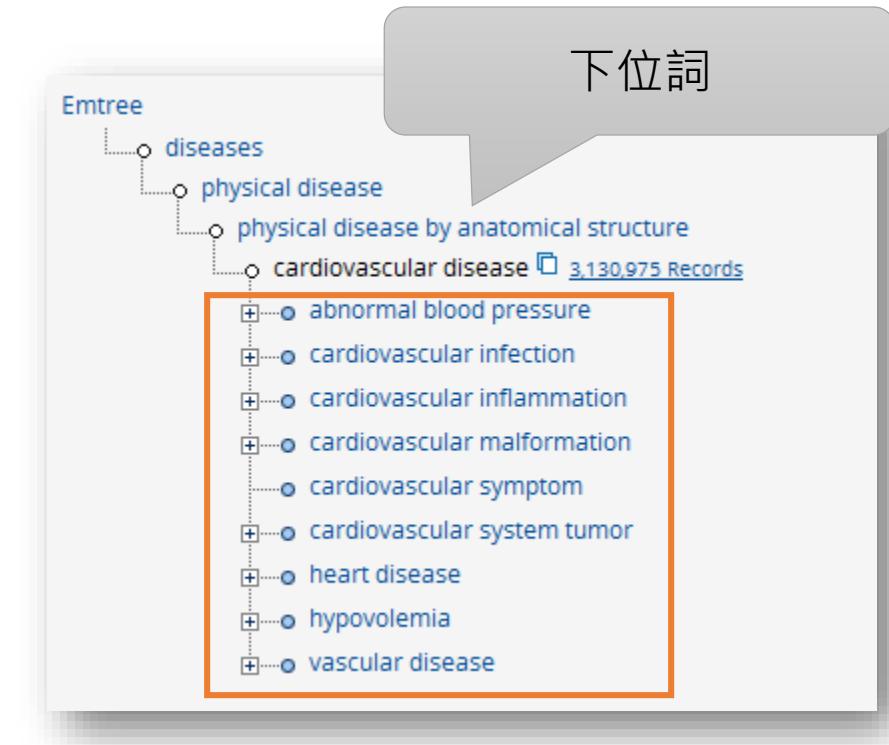
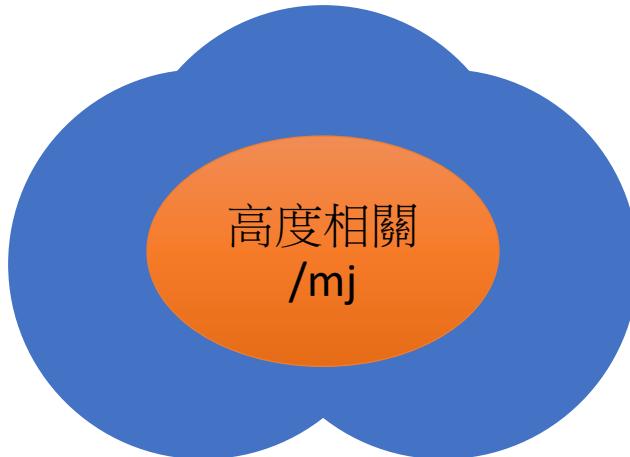
同義詞

## Synonyms

angiopathology; angiocardiovascular disease; cardiovascular complication; cardiovascular diseases; cardiovascular disorder; cardiovascular disturbance; cardiovascular lesion; cardiovascular syndrome; cardiovascular vegetative disorder; complication, cardiovascular; disease, cardiovascular; major adverse cardiovascular event

# 搜尋指令 – 調整搜尋範圍

Major Focus: 文獻內容與該關鍵字高度相關



下位詞

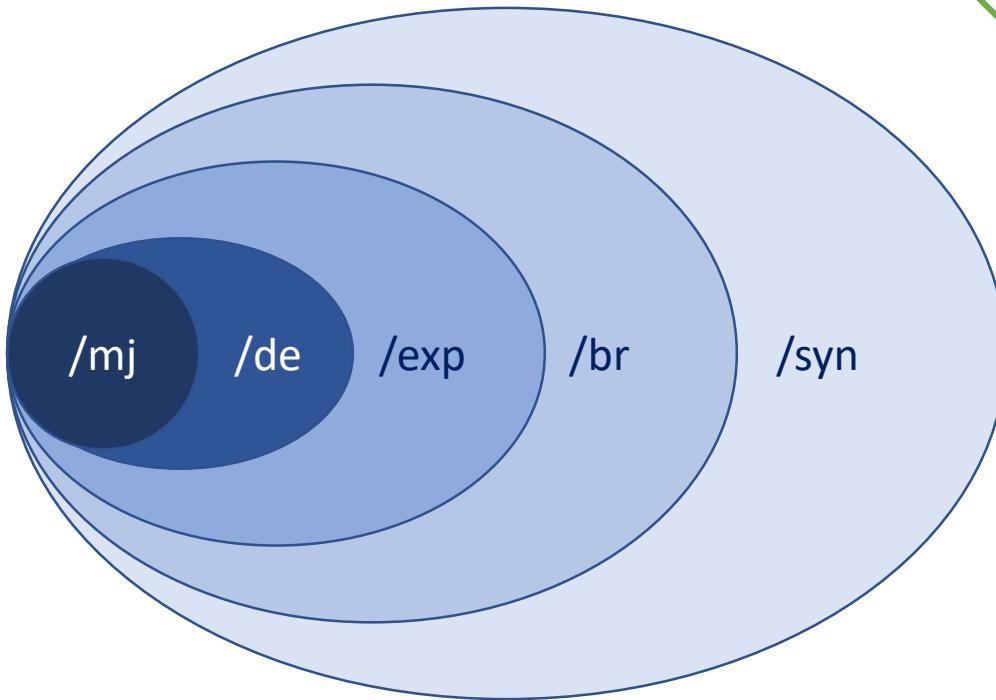
同義詞

## Synonyms

angiopathology; angiocardiovascular disease; cardiovascular complication; cardiovascular diseases; cardiovascular disorder; cardiovascular disturbance; cardiovascular lesion; cardiovascular syndrome; cardiovascular vegetative disorder; complication, cardiovascular; disease, cardiovascular; major adverse cardiovascular event

# Embase內建許多搜尋指令，影響搜尋範圍與文章數量

搜尋方法	/mj	/de	/exp	/br	/syn
Keyword	87	2,885	30,878	31,584	32,080



Quick Search 預設  
= /br (Broad Search)

指令不需要背，在Embase有調節按鈕可以直接選擇!

# PICO 搜尋頁面

## PICO Search

Select Language | ▾

Quick PICO PV Wizard Medical device Advanced Drug Disease Device Article Authors

New

Find best term



Emtrie

- anatomical concepts
- biological functions
- biomedical disciplines, science and...
- chemical, physical and mathematic...
- chemicals and drugs
- diseases
- geographic names
- groups by age and sex
- health care concepts
- named groups of persons
- organisms
- procedures, parameters and devices

Population

e.g. diabetes

Intervention

e.g. insulin

Comparison

e.g. placebo

Outcome

e.g. risk

預設搜尋範圍

/mj /de /exp /br

PICO Search input

Emtrie搜尋

# PICO 搜尋頁面 - Emtree搜尋器

The screenshot shows the Embase PICO Search interface. At the top, there is a navigation bar with links for Embase®, Search (highlighted in orange), Emtree, Journals, Results, My tools, Register, Login, a notification bell with 1 item, and a user profile icon.

The main area is titled "PICO Search". It features a "Find best term" dropdown where "lung inflammation" has been entered. To the left, a tree diagram shows the hierarchy of terms, with "lung inflammation" at the root. Labels on the left side of the interface include "打入關鍵字" (Enter keyword) in a yellow box, "實心點 - 最底層" (Solid dot - bottom layer) in a yellow box, and "空心圈 - 可再拓展" (Hollow circle - expandable) in a yellow box.

The search interface includes sections for Population, Intervention, and Comparison. The Population section shows "pneumonia /exp" selected from a dropdown menu, with an option to "Add 26 synonyms". A note above this section says "或可直接輸入關鍵字" (Or you can directly enter the keyword). To the right of the Population section, there is a "Default search strategy" section with four options: /mj, /de, /exp (highlighted in orange), and /br. A note next to it says "搜尋範圍調整" (Search range adjustment).

At the bottom right, a button says "Show 316,048 results >". A large callout box in the center-right area contains the text: "依照提示選擇適當的Emtree詞彙，定位在樹狀結構中 → 觀察上下位詞來決定搜尋詞彙" (Follow the prompts to select the appropriate Emtree vocabulary,定位 in the tree structure → Observe the hierarchical terms to determine the search vocabulary).

# PICO 搜尋頁面 - Emtree搜尋器

The screenshot shows the Embase PICO Search interface. At the top, there are navigation links: Search (highlighted in orange), Emtree, Journals, Results, My tools, Register, Login, a notification bell with 1 notification, and a help icon.

The main search area is titled "PICO Search". It includes tabs for Quick, PICO (selected), PV Wizard, Medical device, Advanced (New), Drug, Disease, Device, Article, and Authors.

On the left, a sidebar lists "26 synonyms for pneumonia" with checkboxes for each. A button labeled "ALL" is shown below the list.

The search fields are organized into four sections:

- Population:** Set to "pneumonia /exp" with a dropdown menu showing "+ 26 synonyms :all".
- Intervention:** Set to "e.g. insulin" with a clear field button.
- Comparison:** Set to "e.g. placebo" with a clear field button.
- Outcome:** An empty field with a clear field button.

At the bottom, there are buttons for "Reset query" and "Info". To the right, a button says "Show 366,359 results >".

Annotations in Chinese are present:

- A yellow box with an orange border highlights the "Population" section, containing the text: "點下灰色框會變成藍色框".
- A yellow box with an orange border highlights the "ALL" checkbox under the synonym list, containing the text: "可進行同義詞管理".

# 常用的 EBM 過濾器選項

Results Select Language ▾

('child'/mj OR 'child' OR 'children') AND ('ear infection'/mj OR 'ear infection' OR 'infection, ear') AND 'probiotic agent'/mj AND ([cochrane review]/lim OR [systematic review]/lim OR [meta analysis]/lim OR [controlled clinical trial]/lim OR [randomized controlled trial]/lim)

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

**Results Filters** + Expand — Collapse all **Apply >**

History Save | Evidence Based Medicine ▲ Collapse

#2 ('child'/mj OR 'c  
review]/lim OR [s  
 #1 ('child'/mj OR 'c  
 Cochrane Review  Controlled Clinical Trial  
 Systematic Review  Randomized Controlled Trial  
 Meta Analysis

6 results for search #2 Set email alert Set RSS feed Search details new Index miner

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

Select number of items ▾ Selected: 0 (clear) Show all abstracts | Sort by:  Relevance  Publication Year  Entry Date

1 Probiotics for preventing acute otitis media in children  
Scott A.M., Clark J., Julien B., Islam F., Roos K., Grimwood K., Little P., Del Mar C.B.  
Cochrane Database of Systematic Reviews 2019 2019:6 Article Number CD012941 Cited by: 0  
Embase MEDLINE  Abstract  Index Terms  View Full Text new Similar records >

2 Probiotics for the prevention of pediatric antibiotic-associated diarrhea



# 常用過濾選項及管理工具

# 好用的文章過濾器

Results Select Language | ▼

('child'/mj OR 'child' OR 'children') AND ('ear infection'/mj OR 'ear infection' OR 'infection, ear') AND 'probiotic agent'/mj AND ([cochrane review]/lim OR [systematic review]/lim OR [meta analysis]/lim OR [controlled clinical trial]/lim OR [randomized controlled trial]/lim)

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

**Results Filters**

+ Expand — Collapse all **Apply >**

Sources

Drugs

Diseases

Devices

Floating Subheadings

Age

Gender

Study types

**History** Save | Delete | Print view | Export | Email **Combine >** using  And  Or ^ Collapse

#2 ('child'/mj OR 'child' OR 'children') AND ('ear infection'/mj OR 'ear infection' OR 'infection, ear') AND 'probiotic agent'/mj AND ([cochrane review]/lim OR [systematic review]/lim OR [meta analysis]/lim OR [controlled clinical trial]/lim OR [randomized controlled trial]/lim) 6

#1 ('child'/mj OR 'child' OR 'children') AND ('ear infection'/mj OR 'ear infection' OR 'infection, ear') AND 'probiotic agent'/mj 7

6 results for search #2 Set email alert Set RSS feed Search details new Index miner

**Results** View | Print | Export | Email | Order | Add to Clipboard 1 — 6

Select number of items ▾ Selected: 0 (clear) Show all abstracts | Sort by:  Relevance  Publication Year  Entry Date

1 Probiotics for preventing acute otitis media in **children**  
Scott A.M., Clark J., Julien B., Islam F., Roos K., Grimwood K., Little P., Del Mar C.B.  
*Cochrane Database of Systematic Reviews 2019 2019:6 Article Number CD012941 Cited by: 0*  
Embase MEDLINE  Abstract  Index Terms  View Full Text new Similar records >

2 Probiotics for the prevention of pediatric antibiotic-associated diarrhea

# 好用的文章過濾器 – Disease, Devices, Drugs

Results Filters

+ Expand – Collapse all **Apply >**

Sources **▼**

Drugs **▼**

Diseases **▼** 

Devices **▼**

Floating Subheadings **▼**

Age **▼**

Gender **▼**

Study types **▼**

Publication types **▼**

Journal titles **▼**

Publication years **▼**

**Diseases**

<input type="checkbox"/> toxicity	Details ►	6486
<input type="checkbox"/> side effect	Details ►	6414
<input type="checkbox"/> anemia	Details ►	6265
<input type="checkbox"/> thrombocytopenia	Details ►	6250
<input type="checkbox"/> vomiting	Details ►	5219
<input type="checkbox"/> primary tumor	Details ►	5193
<input type="checkbox"/> colorectal cancer	Details ►	5078

238,136 results for search #1  Set email

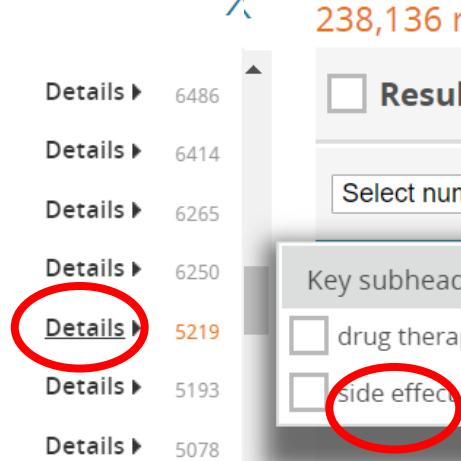
**Results** View | Print | Export | En

Select number of items ▼ Selected: 0 (clear)

Key subheadings 

<input type="checkbox"/> drug therapy	274	O
<input type="checkbox"/> side effect	3946	er 2

EMBASE MEDLINE Abstract



以Vomiting嘔吐為例，統計23萬篇文章中，有5219篇提到嘔吐，其中3846篇的嘔吐屬於副作用

→ 利用Filter可以將關鍵字搜尋到的大量文獻，聚焦到您關注的主題與概念

# Embase介面翻譯功能

透過 GOOGLE 翻譯選擇繁體中文，大幅縮短摘要瀏覽時間

Google 已翻譯為 中文(繁體) 顯示原文 選項 ▾

Embase® 搜索 激覽 結果 我的工具 中文(繁體) 奧利維亞梁 登出 (1) ?

'nursing'/exp OR nursing

搜索 > 映射 日期 來源 字段 快速限制 EBM 酒吧。類型 語言 性別 年齡 動物 搜索提示

搜索結果過濾器 + 展開 - 收起 應用 >

歷史 保存 | 刪除 | 打印視圖 | 出口 | 電子郵件 結合 > 運用 (● 和 ○ 要么) 收起

#	Search Term	Count
#3	'nursing'/exp OR nursing	795,844
#2	'health care'/exp	4,278,438
#1	'nursing'/exp	372,002

795844結果搜索 #3 [設置電子郵件警報](#) [設置RSS饋送](#) [搜索細節](#)

結果 查看 | 打印 | 出口 | 電子郵件 | 訂購 | 添加到剪貼板 1 - 25 >

項目的選擇數量 選擇： 0 (明確) 顯示所有摘要 | 排序方式： (○ 關聯 ○ 出版年 ○ 入學日期)

1 質量測量護理先天性心臟護理實踐 Connor J.A., Mott S., Green A., Larson C., Hickey P. 美國危重護理學雜誌：官方公佈，美國協會重症監護護理人員 2016 25 : 2 (128-135) MEDLINE 抽象 關鍵詞 > 查看全文

# 郵件提醒被動式搜索文獻

如果您關注一個研究主題，設定EMAIL，主動將符合您搜尋條件的新文章寄給您

Results Select Language | ▾

('child'/mj OR 'child' OR 'children') AND ('infection'/mj OR 'accidental infection' OR 'acute infection' OR 'autoinfection' OR 'bacterial infections and mycoses' OR 'bacteroid infection' OR 'chronic infection' OR 'dormant infection' OR 'focal infection' OR 'inapparent infection' OR 'infection' OR 'infection mechanism' OR 'infection route' OR 'infection, focal' OR 'infectious disease' OR 'infectivity' OR 'latent infection' OR 'prostheses-related infections' OR 'route of infection' OR 'silent infection' OR 'simultaneous infection') AND 'probiotic agent'/mj

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

Results Filters History Save | Delete | Print view | Export | Email Combine > using  And  Or Collapse

+ Expand — Collapse all Apply >

Sources ▼

Drugs ▼

Diseases ▼

Devices ▼

Floating Subheadings ▼

Age ▼

Gender ▼

Study types ▼

#3 ('child'/mj OR 'child' OR 'children') AND ('infection'/mj OR 'accidental infection' OR 'acute infection' OR 'autoinfection' OR 'bacterial infections and mycoses' OR 'bacteroid infection' OR 'chronic infection' OR 'dormant infection' OR 'focal infection' OR 'inapparent infection' OR 'infection' OR 'infection mechanism' OR 'infection route' OR 'infection, focal' OR 'infectious disease' OR 'infectivity' OR 'latent infection' OR 'prostheses-related infections' OR 'route of infection' OR 'silent infection' OR 'simultaneous infection') AND 'probiotic agent'/mj 780

#2 ('child'/mj OR 'child' OR 'children') AND ('ear infection'/mj OR 'ear infection' OR 'infection, ear') AND 'probiotic agent'/mj AND ([cochrane review]/lim OR [systematic review]/lim OR [meta analysis]/lim OR [controlled clinical trial]/lim OR [randomized controlled trial]/lim) 6

#1 ('child'/mj OR 'child' OR 'children') AND ('ear infection'/mj OR 'ear infection' OR 'infection, ear') AND 'probiotic agent'/mj 7

780 results for search #3 Set email alert Set RSS feed Search details Index miner

Results View | Print | Export | Email | Order | Add to Clipboard 1 — 25 >

Select number of items ▾ Selected: 0 (clear) Show all abstracts | Sort by:  Relevance  Publication Year  Entry Date

1 Effects of pidotimod and bifidobacteria mixture on clinical symptoms and urinary metabolomic profile of children with recurrent respiratory infections: a randomized placebo-controlled trial

# 郵件提醒被動式搜索文獻

Embase®

Search Emtree Journals Results My tools Ryan Huang Logout ⚙️ 📡 ⓘ

## Results

('child'/'mj' OR 'child' OR 'children') AND ('infection'/'mj' C OR 'focal infection' OR 'inapparent infection' OR 'infect' 'route of infection' OR 'silent infection' OR 'simultaneo

Search > Mapping Date Sources F

Alert name: Children Problem

Comments (optional):

Email address(es): r.huang@elsevier.com

Email format: HTML

Content selection: Citations only

Frequency: Every week on Monday

Alert sent:  Send an alert only when there are results

Articles in Press and in Process:  Include

Cancel > Set email alert >

Select Language | ▾

Search tips ▾

Collapsible sidebar content:

- 'chronic infection' OR 'dormant infection' OR 'prosthesis-related infections' OR
- ... (continued from search results)

1 — 25 >

Publication Year Entry Date

/metabolomic profile of

輸入主題

輸入Email

輸入頻率



PV Wizard 藥物警戒搜尋介面

Medical Devices 醫療器材搜尋介面

# Pharmavigillance藥物警戒搜尋介面

## - 5個步驟進行全面的藥物安全文獻搜尋

PV Wizard - Drug Name

Quick PICO PV Wizard <sup>New</sup> Medical device Advanced Drug Disease Device Article Authors EMA's MLM searches >

Find best term  Q

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

Drug name  
e.g. Paracetamol

Subheadings

Drug name  Adverse drug reaction  Drug combination  Special situation for pharmacovigilance  
anatomical concepts  Drug toxicity  Drug comparison  Unexpected outcome of drug treatment  
biological functions  Drug interaction  Drug therapy  
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

輸入藥物名稱

選擇關注主題

Show 0 results > Next step >

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

Drug name

e.g. Paracetamol

Subheadings

<input checked="" type="checkbox"/> Adverse drug reaction	<input type="checkbox"/> Drug combination	<input type="checkbox"/> Special situation for pharmacovigilance
<input checked="" type="checkbox"/> Drug toxicity	<input type="checkbox"/> Drug comparison	<input type="checkbox"/> Unexpected outcome of drug treatment
<input checked="" type="checkbox"/> Drug interaction	<input type="checkbox"/> Drug therapy	

Show 0 results > Next step >

# Pharmavigilliance藥物警戒搜尋介面

PV Wizard - Alternative Drug Names

請選取語言 | ▾

Quick PICO PV Wizard Medical dev

手動選擇同義詞

7 variants for Pembrolizumab

keytruda

Iambrolizumab

mk 3475

mk3475

pembrolizumab

sch 900475

sch900475

ALL

Drug name

Alternative drug names

Adverse drug reactions

Special situations

Human limit

EMA's MLM searches >

+ 7 variants

7 variants for Pembrolizumab from Emtree have been added to your search (see the panel on the left)

Add more alternative drug names Reset form

e.g. algodol

Clear field

Search in:

- :tn Tradename
- :tn,ti Tradename or title
- :tn,ti,ab Tradename, title or abstract
- :all All fields

手動輸入若有漏掉的名稱

Show 14,644 results >

Previous step

Next step >

Summary:  
[drug]/[subheading] OR [drug]-induced:de,ab,ti **OR**  
[drug]:de OR [variants]:tn,ti,ab

# Medical Device 醫療器材搜尋介面

Embase®

Search

Emtree

Journals

Results

My tools

Ryan Huang

Logout



Medical device

請選取語言 | ▾

Quick PICO PV Wizard **Medical device** New Advanced Drug Disease Device Article Authors

Device name

醫材名稱

手動選擇同義詞

+ Add device name

+ Add synonyms

AND

Adverse effects

通用副作用關鍵詞

+ Add/Edit default adverse effects syntax

OR

醫材副作用關鍵詞

+ Add device specific adverse effect terms

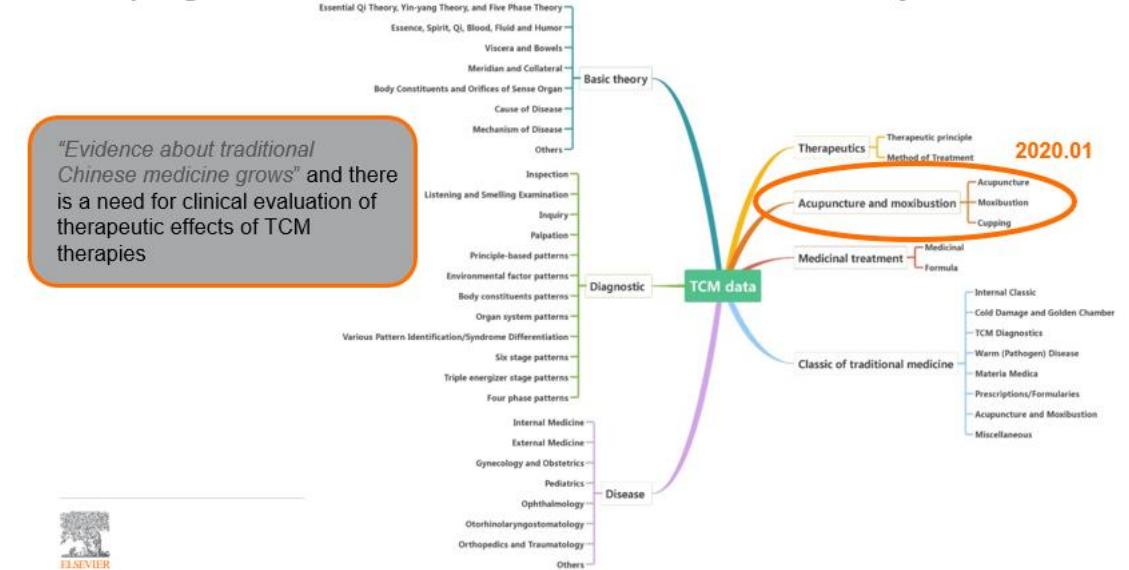
# TCM Emtree branch

In Emtree2020.01: 361 classical acupuncture points that are classified by the 14 meridians/vessels will be added

## Use cases

1. Searching and retrieving best available TCM literature evidence
2. Systematically evaluating the TCM practices
3. Monitoring TCM drugs and TCM-combined devices safety
4. Enabling researchers to design and implement the clinical trials
5. Enabling innovative therapeutics derived from ancient therapies or herbal medicines

Developing a Traditional Chinese Medicine taxonomy for Emtree



Elsevier Sponsored (partly) event at BUCM, with Iveta's presentation

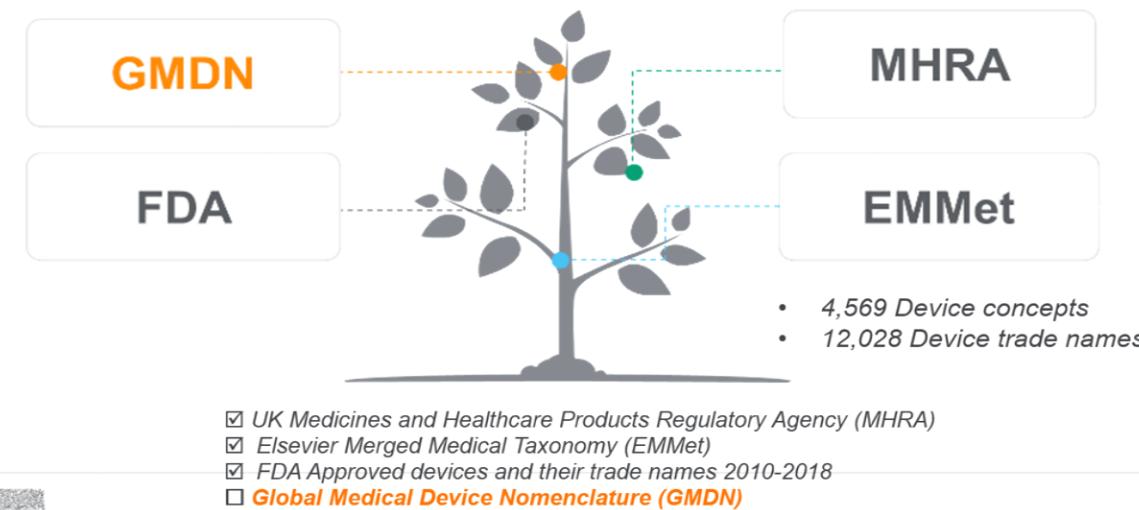
International Evidence-Based Institute of Chinese Medicine and Beijing GRADE Center of BUCM

Beijing January 10-12, 2020

# GMDN Emtree branch

In Emtree2020.01: 4,418 GMDN terms and definitions were incorporated to existing and new concepts following a standardized approach as also used by the FDA's Global Unique Device Identification Database (GUDID).

Device terms, trade and manufacture names



## Use cases

A single generic naming system that will standardize the literature searching for MDR, by using the same concepts and can be used for:

- state of the art searches
- clinical evaluation report
- post market surveillance plan



ELSEVIER

# Thank you

歡迎來信諮詢

[r.huang@elsevier.com](mailto:r.huang@elsevier.com)

