Embase.com
特點與搜索技巧分享

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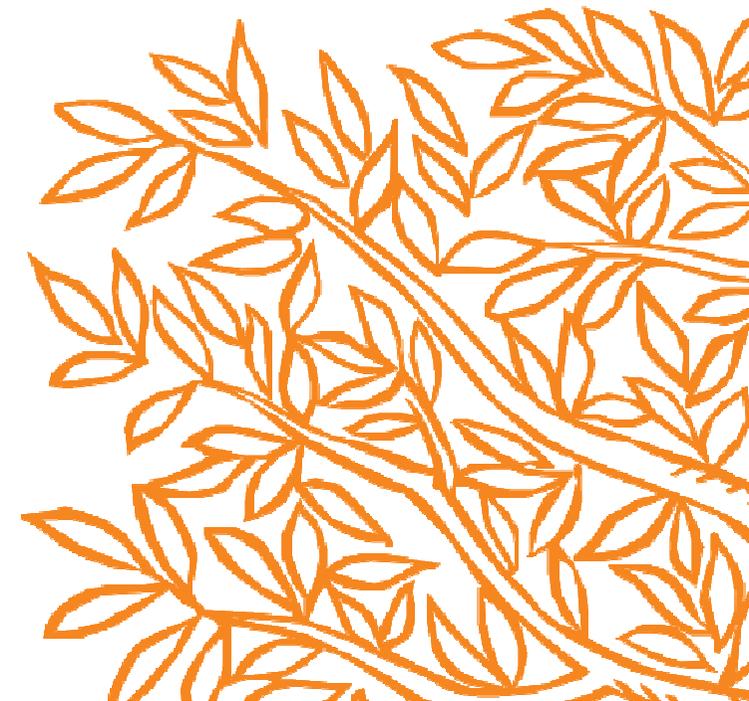
內容大綱

- **Embase背景介紹**

- **Emtree介紹**

- **限縮功能介紹**

- **查詢及結果頁面介紹**

- **PICO search**

- **PV wizard**

- **Drug / Disease / Device Search**

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- **Embase背景介紹**

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Embase背景介紹–目前市場上收錄範圍最全面的生物醫學摘要資料庫

35+ MILLION records

8,500+ journals, including over 2,900 journals that are not contained in MEDLINE

2.4+ MILLION conference abstracts from 2009 to present

Embase
MEDLINE 97%
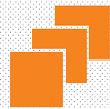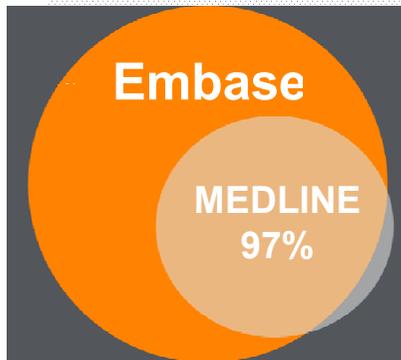
In-depth drug, disease, device indexing with **>2x as many index terms as MEDLINE**

Much more coverage of **non-English** content

**Unique search features** to find results based on abstract and index terms and dozens of filters

Ability to **save, share and edit** complex search strategies **with a group**

Embase背景介紹–收錄的文獻領域

- 藥理學＆毒理學12%
- 臨床醫學11%
- 遺傳學, 生化 & 分子生物學10%
- 神經病＆ 行為醫學 8%
- 微生物＆ 傳染病學 7%
- 心臟病 & 血液學6%
- 精神病＆ 精神衛生學 6%
- 腫瘤學5%
- Healthcare Policy & Management 4%
- 過敏＆ 免疫學 4%
- 兒科學4%
- 內分泌＆ 代謝學3%
- 產科＆ 婦科學3%
- 生物醫學工程 & 醫療器械 3%
- 麻醉＆ 重症監護學 3%
- 腸胃病學2%
- 呼吸道醫學 2%
- 腎臟＆ 泌尿學2%
- 皮膚病學2%
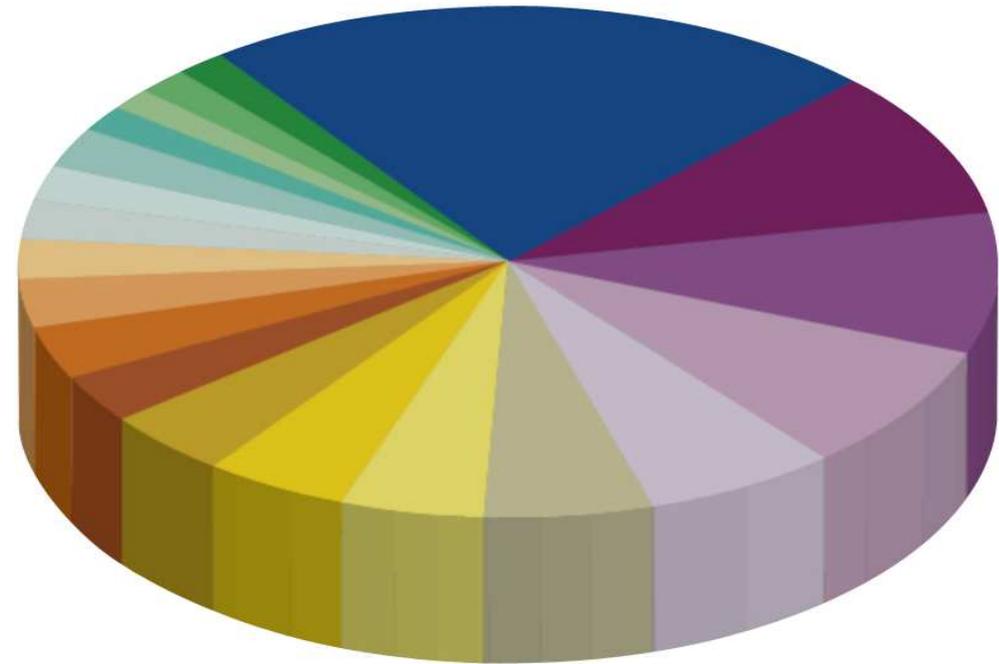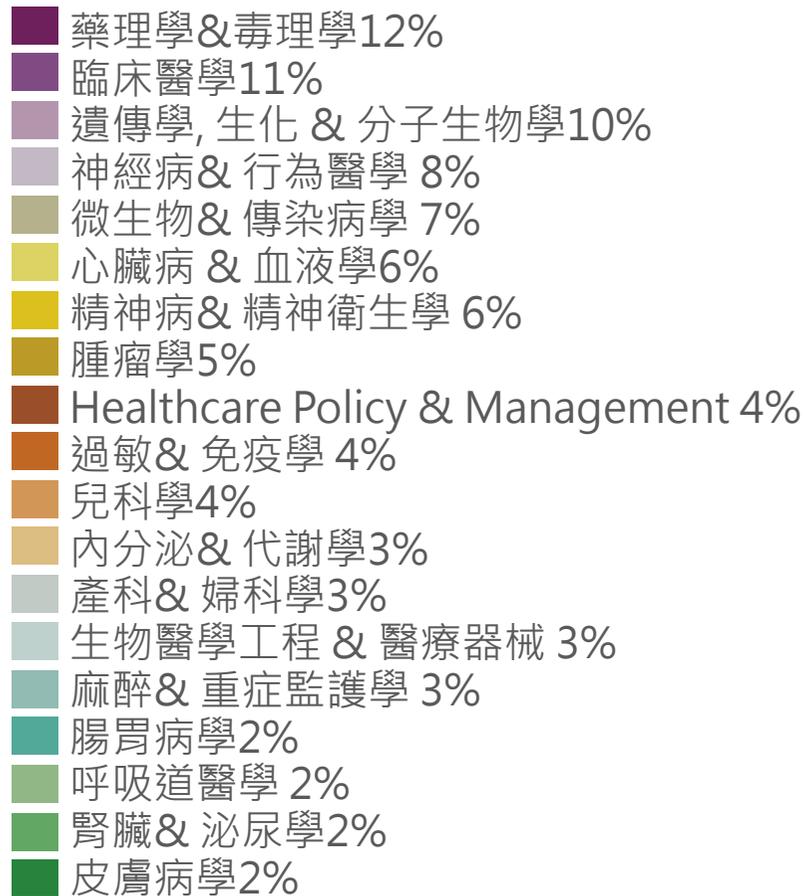
- 其他學科28%
Including public health, basic biomedical MEDLINE 包含公共衛生、基礎生物醫學以及 Medline包含的學科領域

Embase背景介紹 – 兼具廣度與深度

廣度
Embase.com 收錄範圍

- > 3,500 萬筆資料
- > 8,500 本生物醫學相關期刊
- 特別收錄 >7000場研討會會議資料，總計超過240萬篇的研討論文摘

深度
Embase 搜尋功能

- **Emtree** 智慧索引，以人工智能輔助搜尋
- 全篇文章人工索引，強化搜索邏輯
- 多元篩選功能，快速定位所需資料，同時找到更多關聯性文獻
- 乾淨簡明的搜尋介面，使資料搜尋更加人性化

Embase背景介紹–速度與品質兼備的選擇

唯一同時收錄:期刊、研討會資料及相關科學報告的生醫資料庫.

Conference proceedings

Scientific Journals

In Press (unpublished)

確保資料搜尋的廣度

全資料庫全文索引,準確判別文章內的重要資訊:**drugs, diseases, adverse affects, clinical trials, drug trade names etc.**

Deep indexing using our life sciences taxonomy (Emtree)

**精準定位
節省大量資料閱讀時間**

多面向的搜索功能,以直覺的方法搜尋所需資料,並同時確保資料搜索的全面性

Very powerful search environment (PV Wizard, adverse event parameters, dedicated filters)

**讓資料庫不僅是資料庫
更是你的個人化查詢模組**

強大的搜尋管理系統及開放的共用平台,使搜尋更加彈性

Email alerts

Trackable search history

API

QUOSA™ Interoperability

**連動其他管理工具
提高工作效率**

Embase背景介紹–廣為全球法規單位所推薦使用

WHO Handbook for Guideline Development

eunethta
EUROPEAN NETWORK FOR HEALTH TECHNOLOGY ASSESSMENT

EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH

European Commission
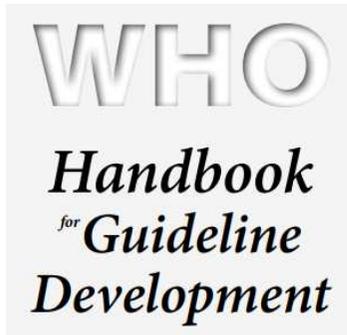
NEW
EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH
Committee for Medicinal Products for Veterinary Use (CVMP)

CFDA
CFDA 国家食品药品监督管理总局
China Food and Drug Administration

(cFDA Drug Evaluation Guideline, draft)
藥品文獻評價指導原則
國家食品藥品監督管理局藥品平價中心
(徵求意見稿2009.1)

NICE National Institute for Health and Care Excellence

THE JOANNA BRIGGS INSTITUTE
Better evidence. Better outcomes.

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Emtree 索引如何協助搜尋?

讓您的搜尋結果，不會遺漏任何包含您的"搜尋詞彙"或"同義詞"的文章

1. Emtree包含所有MeSH索引詞。

2. Emtree 擁有樹狀結構，可以搜尋整個群組的詞彙，如搜尋所有抗病毒藥物或所有單株抗體的相關資料。(一般資料庫不可能進行這樣的搜尋)

3. Emtree 擁有超過 75,000 個搜尋詞彙，其中包括超過 32,000 種藥品名稱，且持續更新中。(MEDLINE 只有 27,000 個詞彙，其中有約 8,500 個藥品)

4. Emtree 擁有超過 320,000 個同義詞，可以"對應"到搜尋詞彙，不會因為使用同義詞搜尋而遺漏資料。(一般資料庫無此功能，因此某些關鍵字可能搜尋不到想要的資料)

MeSH
terms are all included

7,500+
explosion terms (that define the hierarchical structure)

3,000+
specific terms for general & medical devices

24,000+
CAS registry numbers

75,000+
preferred terms (of which more than 32,000 are drugs & chemicals)

320,000+
synonyms (over two third of which are drugs & chemicals)
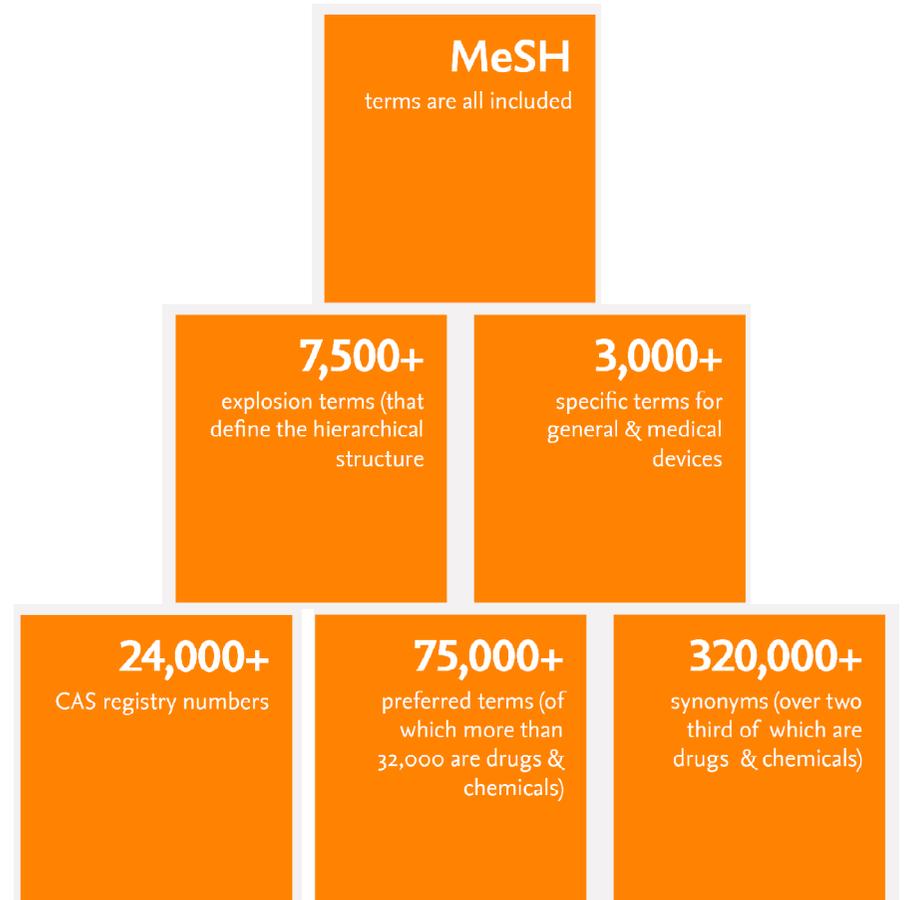
Emtree 與相關指令

支援多種其它平台沒有的搜尋指令，自由調整搜尋條件範圍

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限縮功能說明

Default search strategy

/mj /de /exp /br
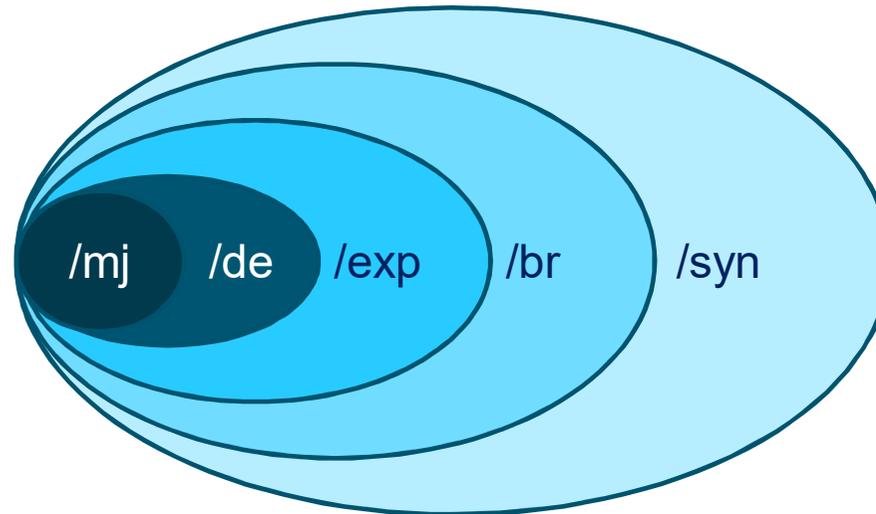
/mj /de /exp /br /syn

Example - Cardiovascular disease

搜尋方法	/mj	/de	/exp	/br	/syn
Keyword	93,963	263,651	4,294,291	4,326,205	4,294,291
SR, MA	2,900	8,387	66,078	66,726	67,088
RCT	2,634	8,229	111,036	112,885	113,653

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Embase 簡單且多樣化的搜尋介面

Embase®

Search Emtree Journals Results My tools Shone Chen ⊞ Logout ⚙ 🔔(1) ❓

Quick Search

G 請選取語言

Quick PICO PV Wizard Advanced Drug Disease Device Article Authors

① 多種搜尋介面

Search tips

	Quick search ▾	Search for... e.g. 'heart attack' AND stress	🔍
AND ▾	Journal name ▾	e.g. american heart 🔍	🗑
AND ▾	Author name ▾	e.g. watson j 🔍	🗑
AND ▾	Author's first name ▾	e.g. Mary Jane 🔍	🗑

Show 0 results ❯

② 簡易查詢

＋ Add search field

Limit to:

☐ Publication years (including):

2019 ▾ to 2019 ▾

☐ Records added to Embase (including end date):

1-1-2016 to 31-12-2016 📅

Evidence Based Medicine

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

③ 時間限縮

- ✓ Quick Search
- ✓ PICO search
- ✓ PV Wizard
- ✓ Advanced
- ✓ Drug
- ✓ Disease
- ✓ Device
- ✓ Article
- ✓ Authors

Result page

Results

'uterine cervix cancer'/exp AND 'female'/exp AND 'adult'/exp AND 'wart virus'/exp AND 'biopsy'/exp AND 'diagnostic accuracy'/exp

⑦

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

Results Filters ①

+ 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   ② ∧ Collapse

☐ #1 **'uterine cervix cancer'/exp** AND **'female'/exp** AND **'adult'/exp** AND **'wart virus'/exp** AND **'biopsy'/exp** AND **'diagnostic accuracy'/ex** 100

100 results for search #1   ⏱ Set email alert 🔊 Set RSS feed 📄 Search details *new* 📊 Index miner   ③

☐ **Results**   View | Print | Export | Email | Order | Add to Clipboard   ④   1 — 25 >

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

⑤

☐ 1   Anal cytology in women: Experience from a single tertiary center
Díaz del Arco C., García D., Sanabria C., Rodríguez Escudero E., Domínguez I., Sanz Ortega G., Fernández Aceñero M.J.
Pathology Research and Practice 2019 215:5 (905-909) Cited by: 0
Embase MEDLINE   ∨ Abstract ∨ Index Terms > View Full Text   ⑥   *new* 📑 Similar records >

☐ 2   Cytologic patterns of cervical adenocarcinomas with emphasis on factors associated with underdiagnosis
Conrad R.D., Liu A.H., Wentzensen N., Zhang R.R., Dunn S.T., Wang S.S., Schiffman M., Gold M.A., Walker J.L., Zuna R.E.
Cancer Cytopathology 2018 126:11 (950-958) Cited by: 2
Embase MEDLINE   ∨ Abstract ∨ Index Terms > View Full Text   *new* 📑 Similar records >

①篩選功能

②歷史查詢組合

③查詢通知

④查詢輸出

⑤查詢結果

⑥相似文獻查詢

⑦再次查詢

Result page – Email alert

Set Email Alert

Email alerts will produce an email with a maximum of 500 records.

Alert name	Type the name of your search here

(1)

Comments (optional)

Email address(es)	mefloquine01@gmail.com

(2)

Email addresses should be separated by a semi-colon (;)

Email format	○ HTML ○ Text ○ RIS (as an attachment)

(3)

Content selection	Citations only ▾

(4)

Frequency	Every week ▾ on Monday ▾

(5)

Alert sent	☐ Send an alert only when there are results
Articles in Press and in Process	☑ Include

Cancel >   Set email alert >

① 自訂信件主旨
② 輸入電子信箱
③ 設定信件格式
④ 設定內容顯示格式
  ➢ Citation only
  ➢ Citation and index terms
  ➢ Citation and abstracts
  ➢ Citation, abstracts and index terms
  ➢ Full Records
⑤ 設定寄送頻率
  ➢ Every day
  ➢ Every one/two weeks
  ➢ Every one/two/three/six months
  ➢ Every year

Result page – Search filter

- Map to preferred terminology
- 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'

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

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PICO Search

系統性文獻查詢常用方法，廣為FDA、EMA等法規單位所認可

- Emtree：Find best term
- PICO search

P	Patient
	Problem
	Population
I	Intervention
C	Control
	Comparison
O	Outcome

PICO Search

What does PICO stand for?

P	I	C	O
Patient, Problem or Population	Intervention	Comparison or Control	Outcome
Aspects of this concept may include disease or condition, stage, severity, demographic characteristics, and other clinically relevant aspects.	Aspects of this concept may include the type of intervention or exposure, drug dose and duration, timing or route of administration.	Aspects of this concept may include the absence of risk or treatment, placebo or alternative therapy.	Aspects of this concept may include risk, mortality, survival, morbidity, quality of life or utilities.

PICO search – 自由調整搜尋範圍並預覽搜尋結果

調整預設
搜尋範圍

自由調整
搜尋範圍

預覽搜尋結果

選擇連結方式

PICO search – Example 1

- How accurately does HPV testing predict cervical cancer in adult women?
  HPV 檢測預測成年女性子宮頸癌的正確率有多高?

P	I	C	O
• **Cervical cancer** • **Women** • **Adult**	• **Human papilloma virus**	• **Biopsy**	• **Diagnostic test accuracy**

PICO search – Search page

① Emtree search
   找出最適合的關鍵字
② 搜尋範圍
   依需求設定結果範圍
③ Population, Intervention, Comparison, Outcome
   放入各個查詢欄位，再設定布林邏及字元，確保獲得最佳結果
① 開始查詢

PICO search – Example 2

- What are the pro's and con's for metal-on-metal hip implants vs other types in different patient groups?
- 使用金屬對金屬人工髖關節植入物的優缺點比較?

P	I	C	O
• Human	• Metal-on-metal hip implant	• Comparison	• Treatment outcome

PICO search – Search page

① Emtree search

　　找出最適合的關鍵字

② 搜尋範圍

　　依需求設定結果範圍

③ Population, Intervention, Comparison, Outcome

　　放入各個查詢欄位，再設定布林邏及字元，確保獲得最佳結果

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PV Wizard – 藥物不良反應查詢

- Paclitaxel抗癌藥查詢
- 輸入藥名後按下一步
- 選擇是否保留相關藥名,並設定查詢範圍(藥品名、標題等)

PV Wizard – 藥物不良反應查詢

① 輸入藥物不良反應(預設)
② 輸入特別條件(預設)
③ 對象設定(預設)

Result page

- 查詢結果頁面上方會顯示本次查詢內容，可據此內容進行調整再次查詢。
- 亦可透果左側篩選條件縮小查詢範圍。

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Drug / Disease / Device Search

依目的選擇搜尋頁面

① Mapping：Emtree關聯篩選

② Date：出版時間設定

③ Sources：資料來源

④ Fields：文獻內容篩選

⑤ Subheadings：子題篩選

⑥ Quick limits：快速篩選

⑦ EBM：實證醫學篩選

⑧ Pub. types：出版類型篩選

⑨ Languages：語言篩選

Drug Search – 抗血栓藥(Fibrinolytic Agent)臨床試驗的文獻查詢

Disease Search – 學齡前兒童思覺失調症(Schizophrenia)藥物治療相關文獻查詢

Device Search – 有關醫療器材製造商(Boston Scientific)製造之醫療器材應用試驗文獻查詢

QA and Demo

問卷:
https://zh.surveymonkey.com/r/TWEmbase2019