



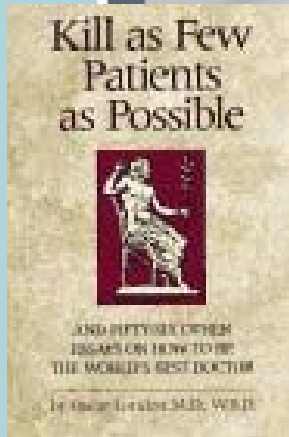
Evidence-Based Medicine Introduction

成功大學醫學院附設醫院
婦產部婦女腫瘤科
實證醫學教學小組婦產部負責人
實證醫學多媒體教學系統設計

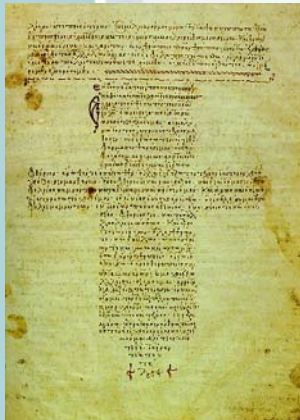


黃于芳 醫師

EBM涵意



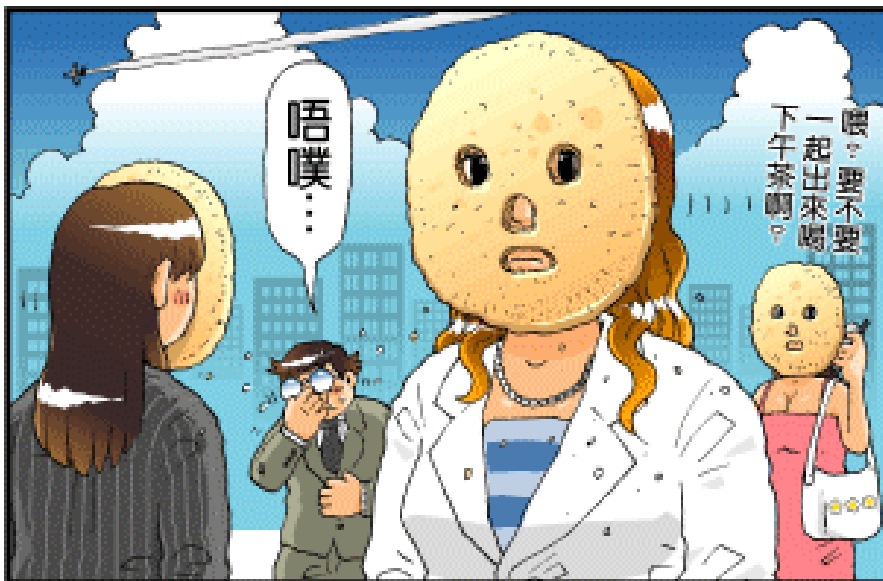
***“Kill as Few Patients as Possible”**
- Oscar London



I will prescribe regimens for the good
of my patients according to my
ability and my judgment and **never
do harm** to anyone.

- Hippocratic Oath

1



2



Web Site: <http://www.rivercomic.com>



證據？



- 根據**最新研究**.....
- 根據**實驗報告**.....
- 根據**臨床試驗**.....
- 根據**多年經驗**.....
- 根據**實際案例**.....



Why do women live longer than men?

Do you have any evidence?

YES!

平均餘命

年別	中華民國		美國		日本		德國		英國		南韓		新加坡		法國		香港		中國大陸	
	男	女	男	女	男	女	男	女	男	女	男	女	男	女	男	女	男	女	男	女
82年 1993	71.6	77.5	72	79	76	82	72	78	73	78	67	75	72	77	73	81	75	80	68	71
89年 2000	73.8	79.6	74	79	77	84	74	80	74	80	71	78	76	80	75	82	77	82	69	73
96年 2007	75.5	81.7	75	80	79	86	76	82	77	81	75	82	78	82	77	84	80	86	71	74


資料來源：“World Population Data Sheet” of Population Reference Bureau、內政部統計處2008/12/24



Wallis
DRESS TO KILL



wallis
DRESS TO KILL

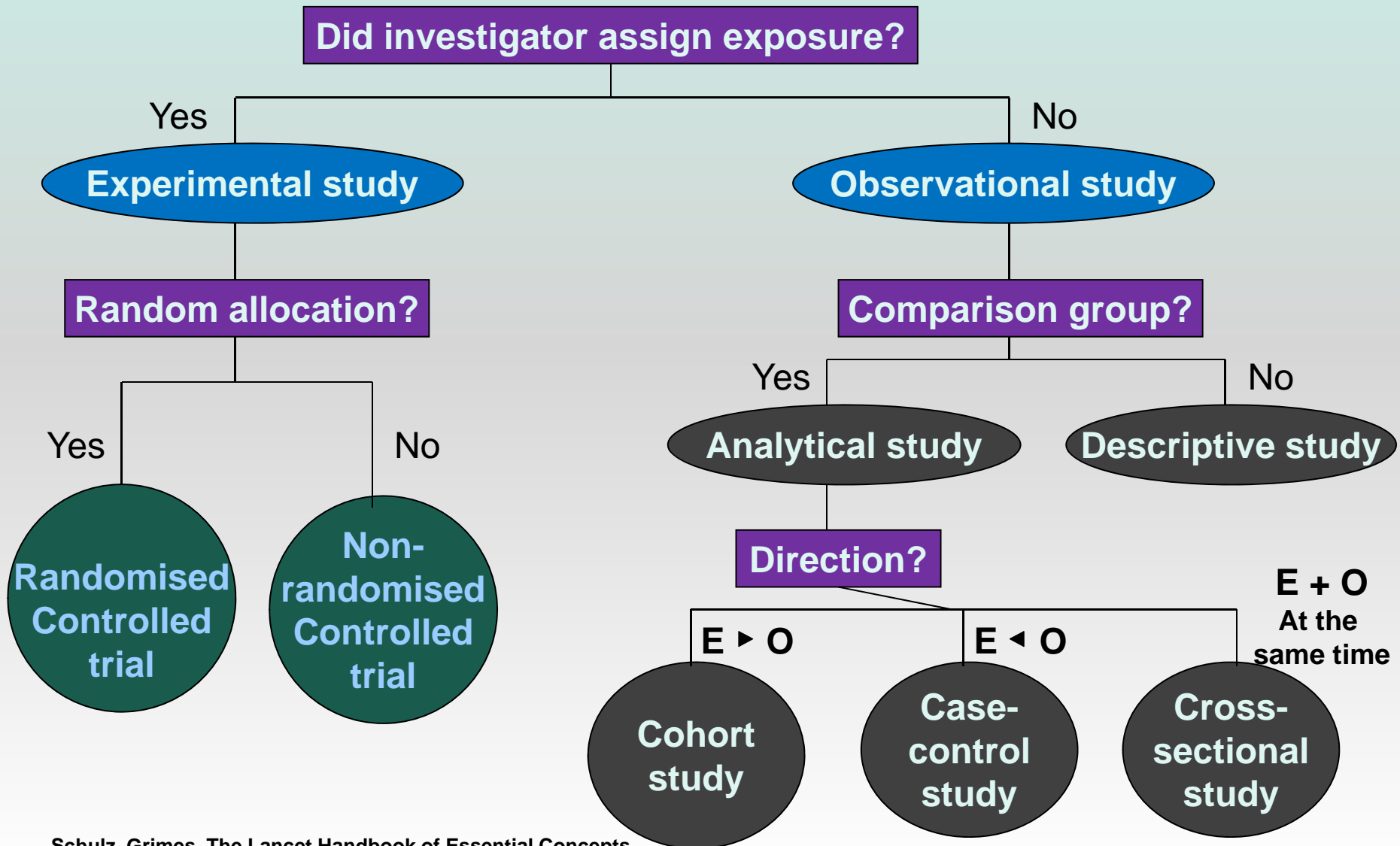


以上舉出範例(觀察到的現象)支持你的假設...

IT IS JUST AN EXAMPLE OF:

**BARRIER FROM
EXPERIMENT TO EVIDENCE**

Algorithm for classification of types of clinical research





你還需要進行驗證，才能得到真實的證據。

接著，即使你有證據支持你...

THE NEXT IS AN EXAMPLE OF

**BARRIER FROM
EVIDENCE TO PRACTICE (E2P)**

Systematic review of bed rest after medical procedures

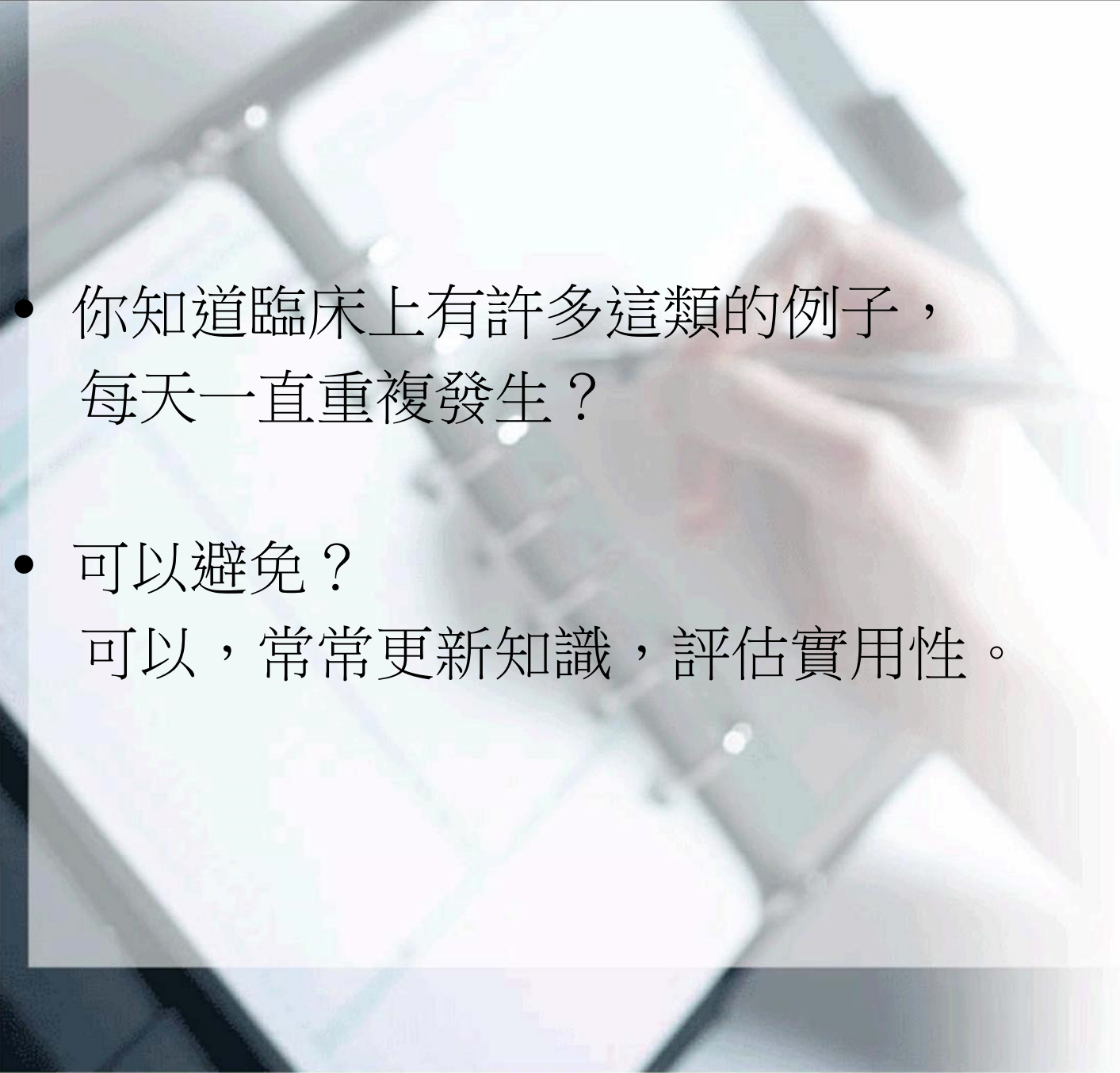
- 10 trials of bed rest after spinal puncture
 - no change in headache with bed rest
 - Increase in back pain
- Protocols in UK neurology units - 80% still recommend bed rest after LP

Serpell M, BMJ 1998;316:1709–10

- ...evidence of harm available for 15 years preceding...



Allen, Glasziou, Del Mar. Lancet, 1999

- 
- 你知道臨床上有許多這類的例子，
每天一直重複發生？
 - 可以避免？
可以，常常更新知識，評估實用性。

實證醫學的發展源起

- ◆ 醫學研究與臨床應用的落差
 - 心臟衰竭：
→ β -Blocker
 - 糖尿病腎病變
→ ACE inhibitor

- ◆ 霍亂的治療方式
 - 醫界權威：
→ 白蘭地酒+鴉片酊+放血
 - 1832 WB O'Shaughnessy：
→ 脫水需補充水分和鹽
→ 77年後才被接受

實證醫學

二十世紀

實驗醫學

經驗醫學

十九世紀中期法國巴黎
Claude Bernard(1813-78)

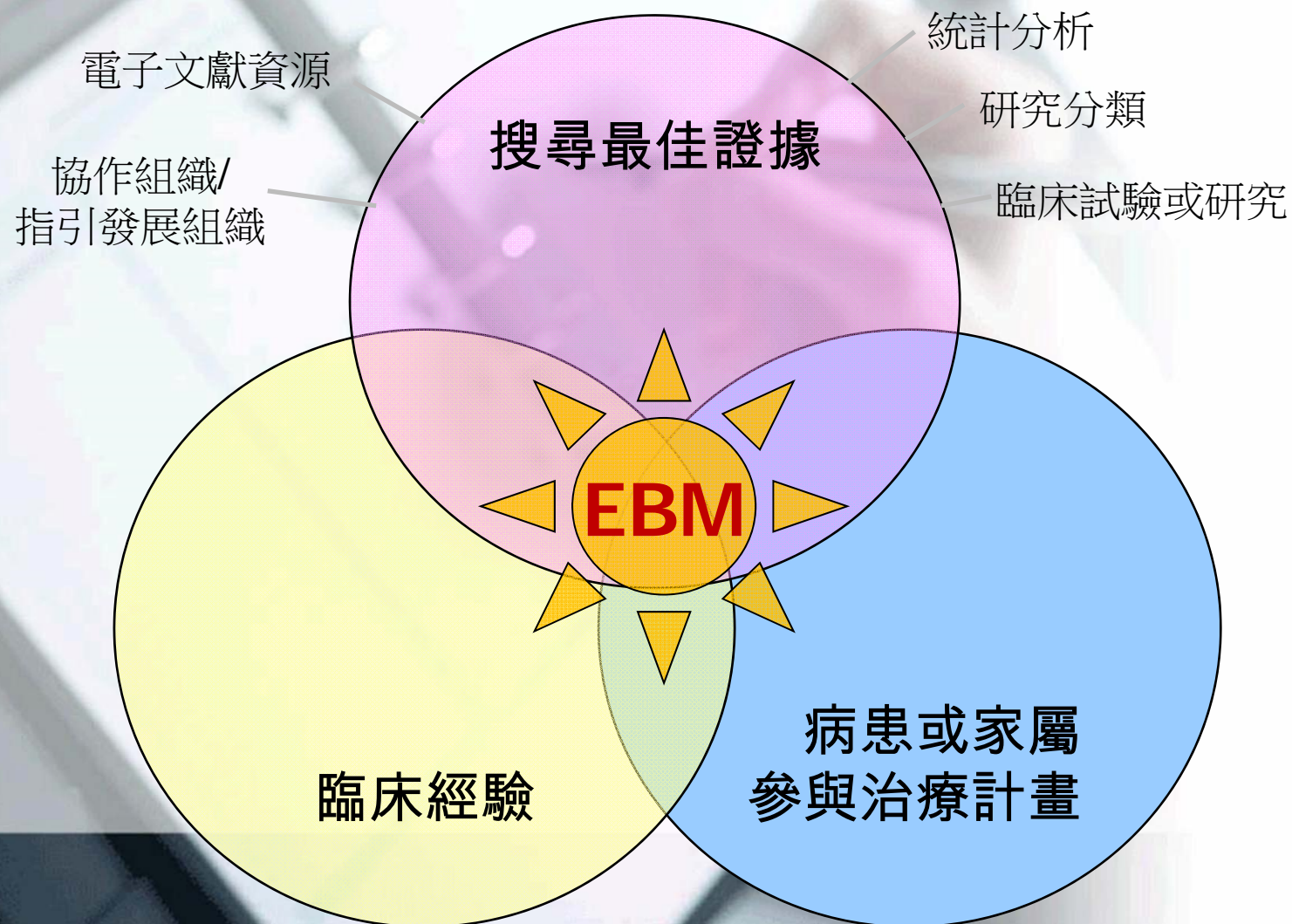
觀察 推論 實驗 解答


Louis Pasteur (1822-95)

科學家不應提出任何沒有實驗證明的建議

Ernest Amory Codman (1869-1940)

實證醫學三要素 (臨床使用層面)

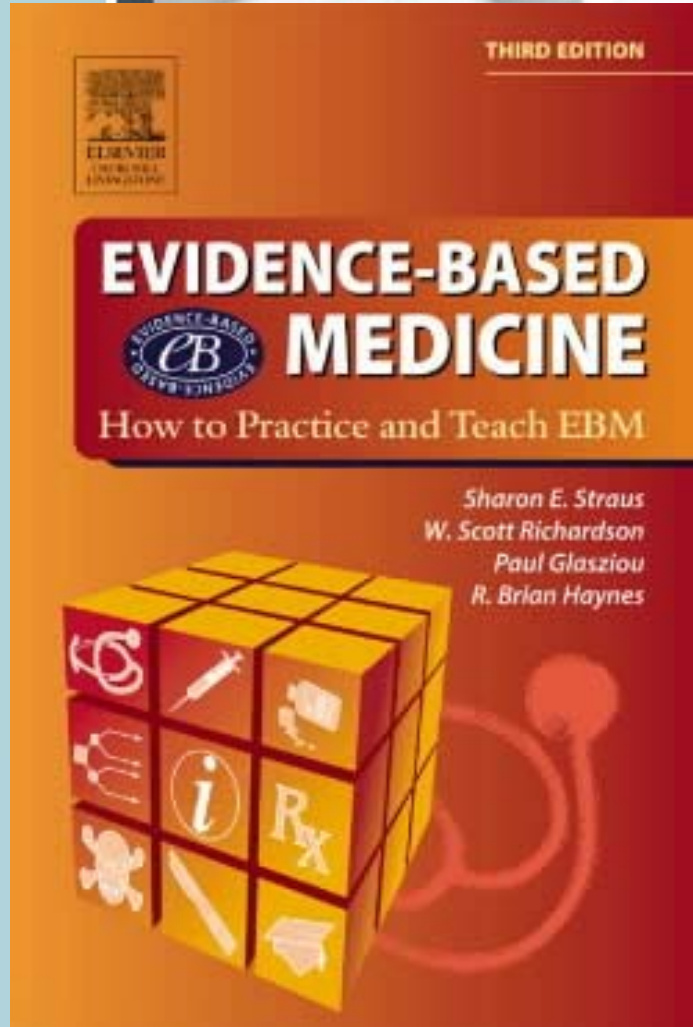


- 
- “Evidence-based medicine is the integration of best research evidence with clinical expertise and patient values”

- *Sackett, et al 2001*

- 將所能得到的最佳文獻證據、醫護人員的臨床經驗、與患者的期望三者相結合，應用於臨床工作中。

EBM-How to Practice and Teach



2005

Cochrane Centers (14) and Branches



實證醫學五部曲

如何進行實證醫學

1

形成一個
可回答的
臨床問題

2

搜尋
最佳證據

3

嚴格評讀證據之
效度與重要性

4

將臨床專業
與病人價值觀
相結合

5

評估執行
效果
及效用

PICO

搜尋資料

台北醫學大學·市立萬芳醫院實證醫學中心經授權作中文編譯，英國The Centre for Evidence-Based Medicine及The National Library for Health, NHS所出版由Carl Heneghan及Paul Glasziou撰寫之Questions Log: A tool for 'just in time' learning手冊。

形成3-part問題

臨床問題：

臨床問題分類： 治療 預防 傷害 診斷 其他(預後/盛行率/成本效益分析等)

醫療介入/(暴露) A 醫療介入/(暴露) B 健康相關問題 患者族群
Versus for in

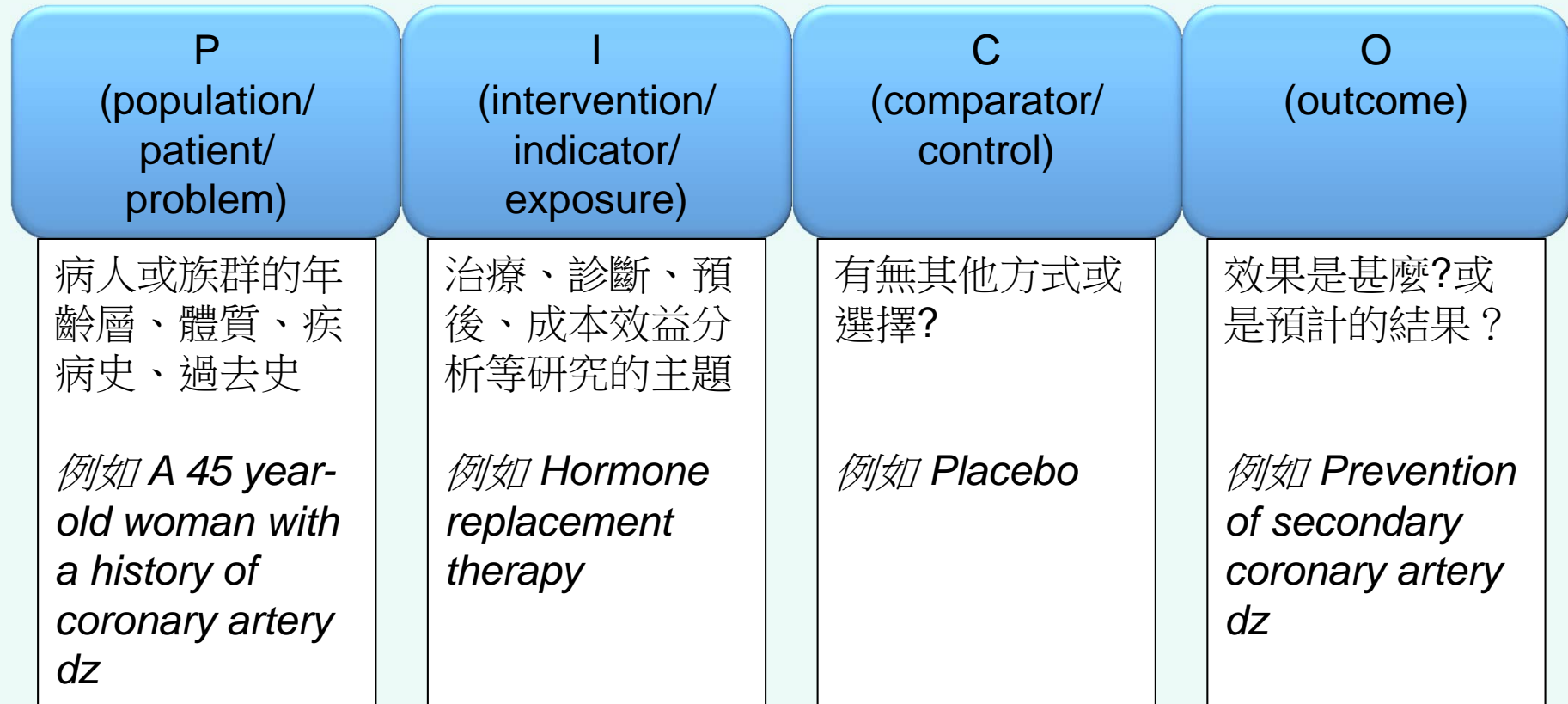
醫療介入/(暴露) 健康相關問題 患者族群/地區
for in

診斷工具 A 診斷工具 B 標的疾病 患者族群
Versus for in

診斷工具 標的疾病 患者族群
for in

以上是常見的問題格式，如果您的問題皆無法套用以上格式，請將問題書寫於下方欄位

形成一個可回答的臨床問題



PICO的好處：(1)聚焦問題，容易找到關鍵字。(2)分辨臨床問題的型態，例如治療、傷害、診斷、預後等類別。(3)協助瞭解何者是最好且最適合之研究設計，據此而產生之研究結果才是最佳證據等級的文獻。



Educational Prescription

Patients Name

Learner:

3-part Clinical Question

Target Disorder:

Intervention (+/- comparison):

Outcome:

Date and place to be filled:

Presentation will cover:

1. search strategy;
2. search results;
3. the validity of this evidence;
4. the importance of this valid evidence;
5. can this valid, important evidence be applied to your patient;
6. your evaluation of this process.

搜集最佳證據

PICO 問題轉譯成適當關鍵字，組織檢索語句



選擇合適之資訊資源檢索



適當使用布林邏輯 AND, OR,，縮小搜尋結果至約10至30篇



使用資訊技術協助搜尋，配合搜尋輔助工具與 MeSH 語法

MeSH 醫學專業詞彙

eg. PubMed Clinical Query

eg. [dp] = date of publish;
[ptyp] = publication type

Critical Appraisal WorkSheet

CASP UK Website

Critical Appraisal Skills Programme
Making sense of evidence

Home Find, Appraise, Act Workshops About CASP Contact us News

Welcome to the CASP UK Website

CASP stands for Critical Appraisal Skills Programme. Critical appraisal is the process of carefully and systematically examining research to judge its trustworthiness, and its value and relevance in a particular context. CASP provides resources and learning and development opportunities to support critical appraisal skills development in the UK.

On this website you can [find out about the CASP approach](#), download the CASP checklists, and find out what sort of workshops we offer to help improve your appraisal skills. You can even [commission one](#) for your workplace – CASP has a long track record of delivering tailored workshops for the Department of Health, NHS organisations, professional networks and communities, third sector and commercial organisations.

Introduction by Amanda Burls:

Checklists

Download the CASP critical appraisal checklists:

- CASP Randomised Controlled Trial
- CASP Systematic Review
- CASP Cohort Study
- CASP Case Control Study
- CASP Qualitative Research
- CASP Economic Evaluations
- CASP Diagnostic Test
- CASP Clinical Prediction Rule

This set of eight critical appraisal tools are designed to help when reading research. They are free to download

Workshops

****NEW TRAINING DATES****

CASP UK 3 Day Train the Trainer Event: 27th – 29th November 2013. Booking is now open for this 3 day critical appraisal course. [See here for more details & to book.](#)

CASP International Training Week: 19th – 23rd May 2014. Booking is now open for this 5 day critical appraisal course. [See here for more details of what the week offers – CASP Training Week Information May 2014](#) and [to book.](#)

Network News

Tweets by @CASPUK

Interested in commissioning a workshop? We can tailor workshops to your own specific needs and deliver them in your workplace, please [contact us](#) if you would like to find out more about any of our [workshops](#) or learning programmes.

It's time all clinical trial results are reported. Patients, researchers, pharmacists, doctors and regulators everywhere will benefit from publication of clinical trial results. Wherever you are in the world please sign the All

<http://www.casp-uk.net/>

Centre For Evidence-Based Medicine KT Clearinghouse

UNSUBSCRIBE to the KT Canada mailing list Search...

KT CLEARINGHOUSE

KTCH Home KT Canada Knowledge Base Centre for Evidence-Based Medicine KT Tools Consultation Service KT Trainee Collaborative Community Forum

centre for Evidence-Based Medicine TORONTO

KT Clearinghouse > Centre for Evidence-Based Medicine > Teaching EBM > Critical Appraisal Worksheets

Main

- Introduction to EBM
- Practising EBM
- Syllabi for Practising EBM
- Teaching EBM
- Critical Appraisal Worksheets
- Diagnosis
- Prognosis
- Therapy
- Harm
- Systematic Reviews

Critical appraisal worksheets

- Diagnosis worksheet
- Harm worksheet
- Prognosis worksheet
- Systematic review (of therapy) worksheet
- Therapy worksheet

<http://www.cebm.utoronto.ca/teach/materials/caworksheets.htm>

Self-evaluation in asking answerable questions

- 自己每天是否問至少一個臨床問題？
- 自己是否將問題解剖為**3-part question**？
- 自己提出問題時是否會無法明確表達出來？
- 是否有先收集好臨時問題，在預定時間內找出答案的規劃？
- 自己提問可回答的問題之成功率是否持續增加？
- 自己是否會記錄**educational prescriptions**？

Self-evaluation in finding the best external evidence

- 自己會常常上網搜尋資料？
- 自己是否熟悉提供臨床實用最新證據的資料庫？
- 是否常常應用軟硬體資源搜尋最佳證據？
- 是否已經找到自己最常使用的資料庫資源？
- 是否已經是高效率之搜尋高手？
- 是否已會使用**MeSH**,限制功能等工具或進階技巧？

Self-evaluation in critically appraising the evidence for its validity and potential usefulness

- 是否自己會常常評讀證據？
- 是否自己很容易應用評讀工具來評讀？
- 是否自己越來越有效率與正確使用評讀常用的公式？
- 是否自己常常新增評讀主題？



Self-evaluation in integrating the critical appraisal with clinical expertise and applying the result in clinical practice

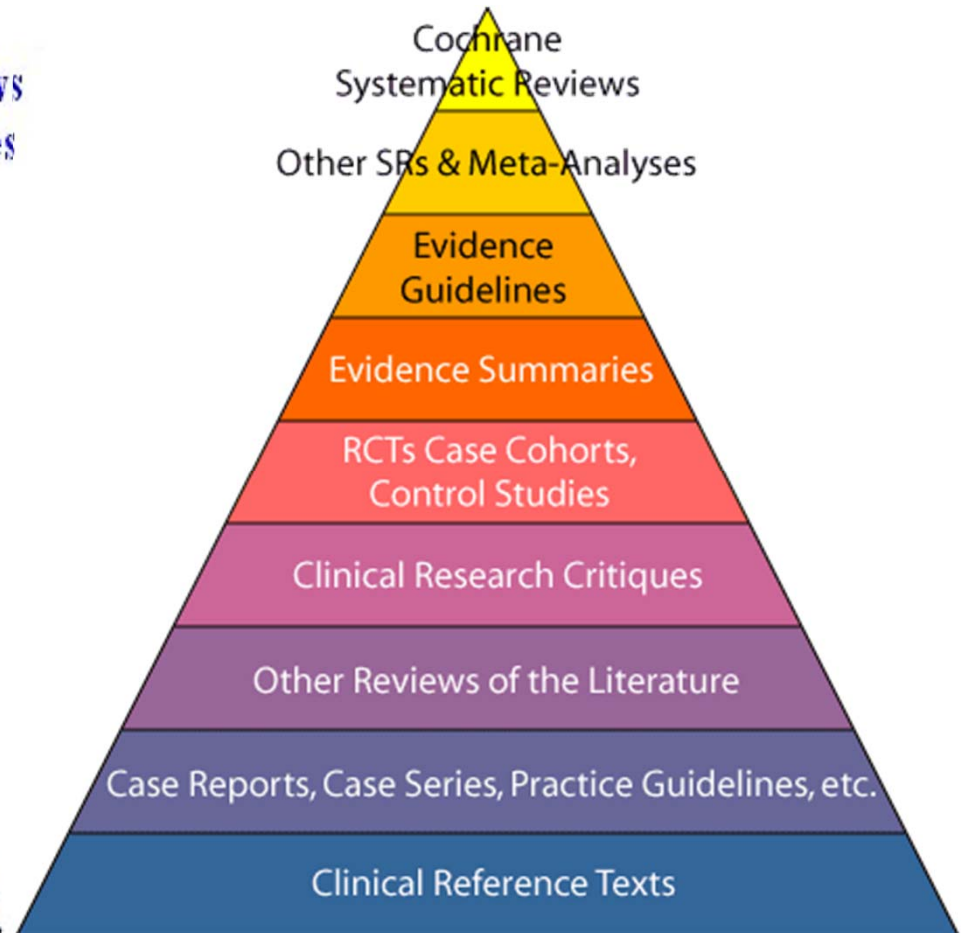
- 是否自己常常評讀證據並應用於臨床？
- 是否自己在臨床決策時會化解不同意見造成的衝突？
- 是否自己會再次檢視自我應用實證方法在診治上的表現？

EBM文獻類別



Based on material from SUNY Downstate Medical Center/Medical Research Library of Brooklyn

<http://library.downstate.edu/EBM2/2100.htm>



Pyramid modified from "Navigating the Maze", University of Virginia, Health Sciences Library

<http://healthlinks.washington.edu/ebp/ebptools.html>

The “best” evidence
to answer different types of questions:

Question type	Study design
Therapy/Prevention	Randomized control trial (RCT)
Etiology	Cohort study > Case control > Case series study
Prognosis	Cohort study > Case control > Case series study
Diagnostic test	Prospective, blinded cross-sectional study comparing with gold standard
Cost effectiveness	Economic analysis

Oxford Centre for Evidence-Based Medicine 2011 Levels of Evidence

Question	Step 1 (Level 1*)	Step 2 (Level 2*)	Step 3 (Level 3*)	Step 4 (Level 4*)	Step 5 (Level 5)
How common is the problem?	Local and current random sample surveys (or censuses)	Systematic review of surveys that allow matching to local circumstances**	Local non-random sample**	Case-series**	n/a
Is this diagnostic or monitoring test accurate? (Diagnosis)	Systematic review of cross sectional studies with consistently applied reference standard and blinding	Individual cross sectional studies with consistently applied reference standard and blinding	Non-consecutive studies, or studies without consistently applied reference standards**	Case-control studies, or "poor or non-independent reference standard**	Mechanism-based reasoning
What will happen if we do not add a therapy? (Prognosis)	Systematic review of inception cohort studies	Inception cohort studies	Cohort study or control arm of randomized trial*	Case-series or case-control studies, or poor quality prognostic cohort study**	n/a
Does this intervention help? (Treatment Benefits)	Systematic review of randomized trials or <i>n</i> -of-1 trials	Randomized trial or observational study with dramatic effect	Non-randomized controlled cohort/follow-up study**	Case-series, case-control studies, or historically controlled studies**	Mechanism-based reasoning
What are the COMMON harms? (Treatment Harms)	Systematic review of randomized trials, systematic review of nested case-control studies, <i>n</i> -of-1 trial with the patient you are raising the question about, or observational study with dramatic effect	Individual randomized trial or (exceptionally) observational study with dramatic effect	Non-randomized controlled cohort/follow-up study (post-marketing surveillance) provided there are sufficient numbers to rule out a common harm. (For long-term harms the duration of follow-up must be sufficient.)**	Case-series, case-control, or historically controlled studies**	Mechanism-based reasoning
What are the RARE harms? (Treatment Harms)	Systematic review of randomized trials or <i>n</i> -of-1 trial	Randomized trial or (exceptionally) observational study with dramatic effect			
Is this (early detection) test worthwhile? (Screening)	Systematic review of randomized trials	Randomized trial	Non-randomized controlled cohort/follow-up study**	Case-series, case-control, or historically controlled studies**	Mechanism-based reasoning

* Level may be graded down on the basis of study quality, imprecision, indirectness (study PICO does not match questions PICO), because of inconsistency between studies, or because the absolute effect size is very small; Level may be graded up if there is a large or very large effect size.

* *OCEBM Table of Evidence Working Group = Jeremy Howick, Iain Chalmers (James Lind Library), Paul Glasziou, Trish Greenhalgh, Carl Heneghan, Alessandro Liberati, Ivan Moschetti, Bob Phillips, Hazel Thornton, Olive Goddard and Mary Hodgkinson*

LOE 2

- 問題(疾病)多常發生？(盛行率)
- 診斷或監測工具是否準確？(診斷)
- 如果不採取介入會有什麼狀況？(預後)
- 介入是否對患者有益？(治療益處)
- 介入引起哪些常見副作用？(治療副作用)
- 介入引起哪些少見副作用？(治療副作用)
- 是否早期診斷(偵測)工具值得推廣？(篩檢)

EBM相關名詞解釋

國家衛生研究院
實證臨床指引平台

The screenshot shows the website interface for the Evidence-Based Clinical Guidance Platform. The header includes the platform name and logo. A navigation bar contains links for '相關資源下載', '電子報訂閱服務', '平台操作Q&A', and '聯絡系統管理員'. The main content area is titled '名詞解釋' (Glossary) and includes a description of the platform's purpose: '本專有名詞翻譯參考"實證醫學-實證醫療決策"(合記圖書出版社)(發行中) 專有名詞解釋參考資料來源分別備註於各欄'. It features an 'Outline' section with a list of letter ranges: A-E, F-J, K-O, P-T, and U-Z. Below this is a 'Content' section with a sub-header 'A - E' and a timestamp '最後更新: 2008/9/19 下午 04:48:01'. A sidebar on the left provides navigation options like '基本介紹', '即時資訊', '資源連結', '實證知識', '臨床指引', '專業社群', and '民眾專區'. A search bar and quick links are also visible.

<http://ebpg.nhri.org.tw/Module/Content.aspx?catalog=94>

Evidence Based Medicine Toolkit Clinical Epidemiology Glossary

Evidence Based Medicine Toolkit

- Home
- About EBM
- Domains
- Practice Guidelines
- Systematic Review
- Economic Analysis
- Glossaries
- JAMA User's Guide
- Links

[Home](#)>Glossaries-Clinical Epidemiology

Clinical Epidemiology Glossary

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#)
[W](#) [X](#) [Y](#) [Z](#)

A

Absolute risk: The observed or calculated probability of an event in the population under study.
(Harm/Etiology, Therapy)

Absolute risk difference: The difference in the risk for disease or death between an exposed population and an unexposed population.
(Harm/Etiology)

Absolute risk reduction (ARR): the difference in the absolute risk

<http://www.ebm.med.ualberta.ca/Glossary.html>

範例說明

- 一位五十歲女性，因更年期症狀來診，提到因感到記憶力變差，新聞說吃銀杏可改善記憶力，問醫生可不可行。

形成3-part問題

臨床問題：

臨床問題分類： 治療 預防 傷害 診斷 其他(預後/盛行率/成本效益分析等)

<input type="radio"/>	醫療介入/(暴露) A Ginkgo	Versus	醫療介入/(暴露) B Placebo	for	健康相關問題 Improvement of memory loss	in	患者族群 Postmenopausal women
-----------------------	------------------------------	--------	-------------------------------	-----	---	----	-------------------------------------

<input type="radio"/>	醫療介入/(暴露)	for	健康相關問題	in	患者族群/地區
-----------------------	-----------	-----	--------	----	---------

<input type="radio"/>	診斷工具 A	Versus	診斷工具 B	for	標的疾病	in	患者族群
-----------------------	--------	--------	--------	-----	------	----	------

<input type="radio"/>	診斷工具	for	標的疾病	in	患者族群
-----------------------	------	-----	------	----	------

以上是常見的問題格式，如果您的問題皆無法套用以上格式，請將問題書寫於下方欄位

<input type="text"/>

The End
(Introduction of EBM)

Thank you!

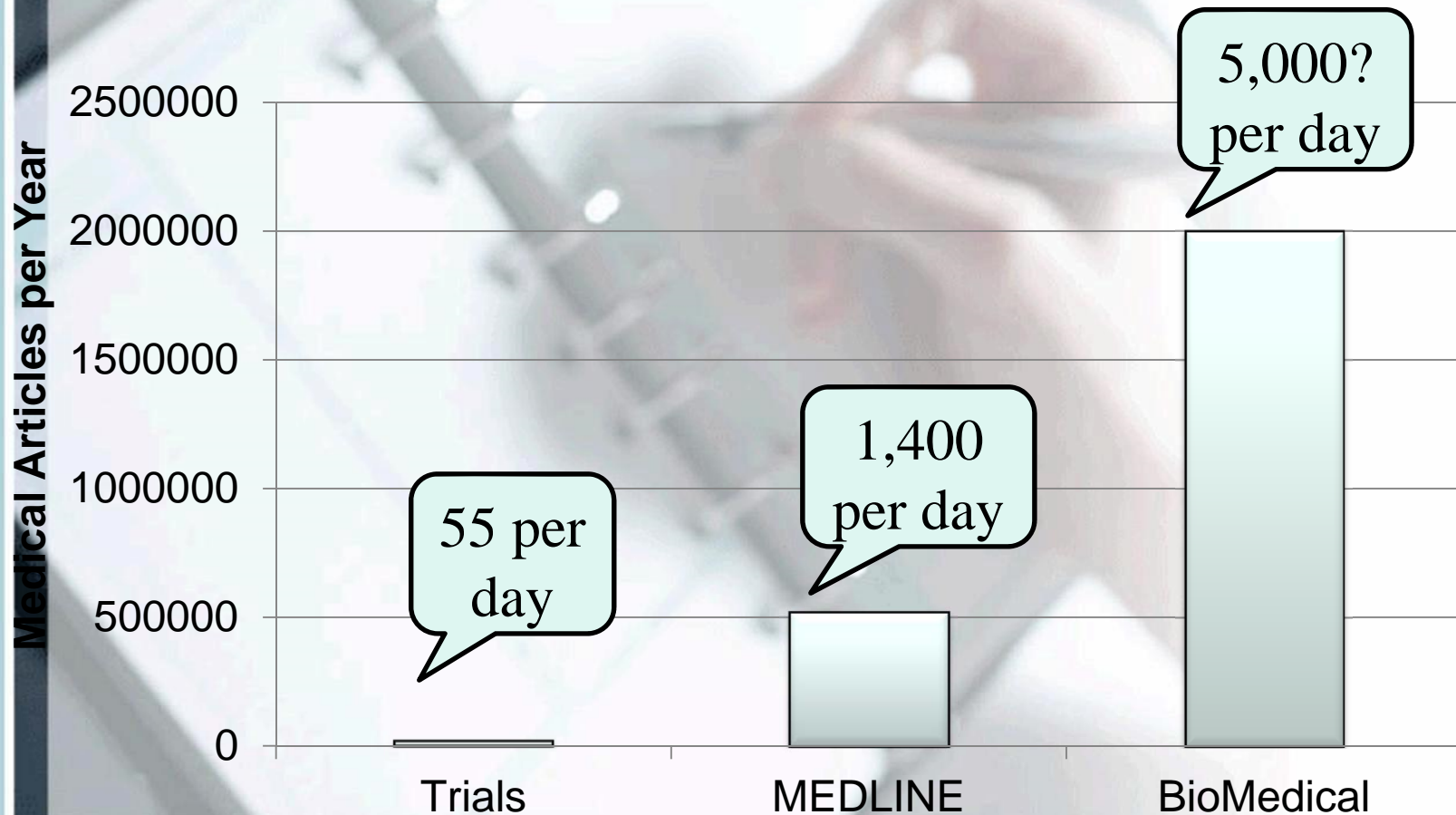




文獻搜尋

成大醫院婦產部 黃于芳醫師

Review the World Literature Fortnightly*



Managing Information

"I'm OK... just a little too much 'push' technology."

"Push" and "Pull" methods

- **"Push"** - alerts us to new information
 - "Just in Case" learning
 - Use ONLY for important, new, valid research

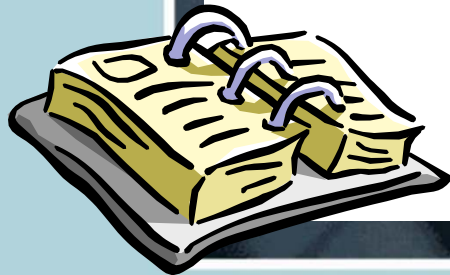
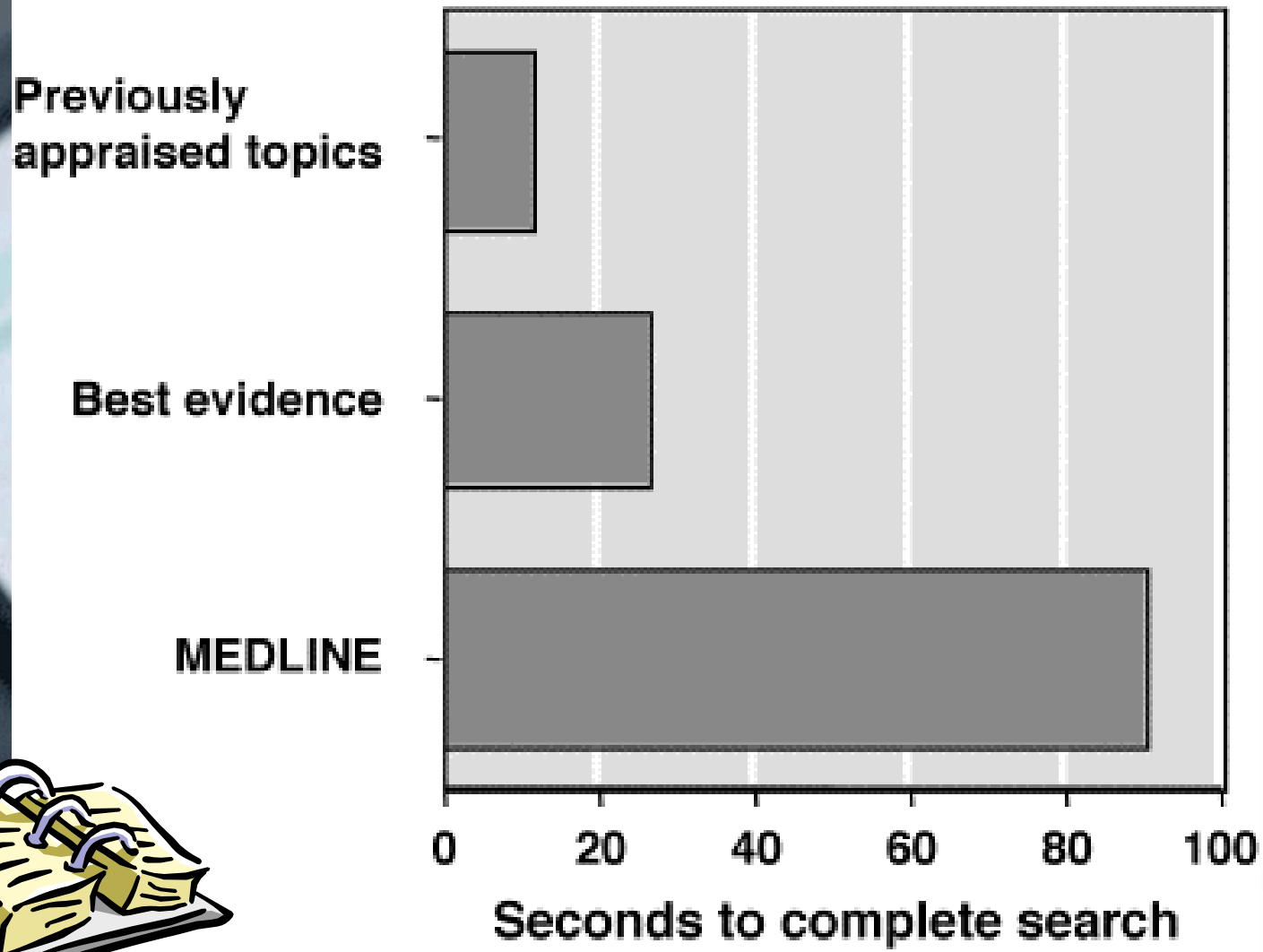
- **"Pull"** – access information when needed
 - "Just in Time" learning
 - Use whenever questions arise
 - EBM Steps: Question; search; appraise; apply



Managing Information

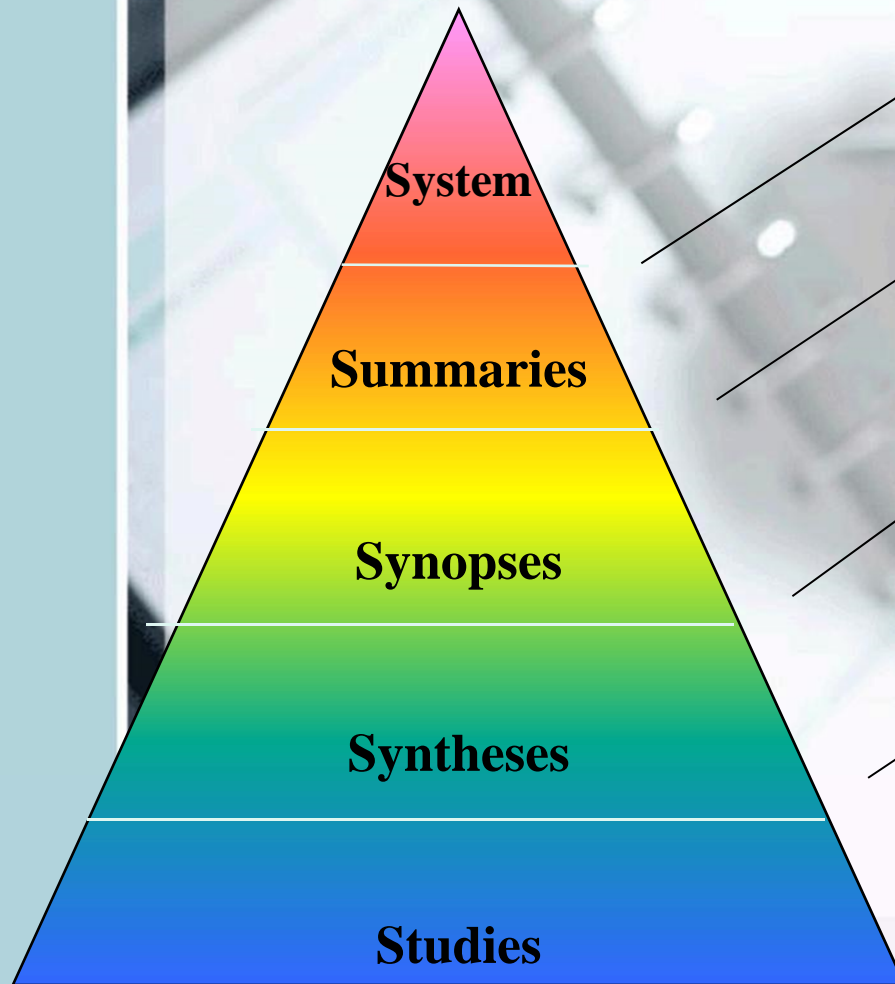
- The Airline industry
 - Boeing 777 manuals
 - 24 binders
 - 10 feet shelf space
 - Conversion to CD
 - Reduced search by 60%
- The Health Industry
 - Memorize “the manuals”
 - Exams, audits, etc to check

Time to complete searches on the evidence cart



5S model

Evid. Based Med. 2006:11(6)162-164



電腦決策支持系統 CDSS

實證教科書 EBM textbooks

eg. BMJ Clinical Evidence,
ACP PIER, UpToDate, DynaMed

實證期刊摘要 EBM abstracts

eg. ACP Journal Club, EBM, EBN

考科藍文獻回顧 Cochrane review

eg. BMJUpdates, the Cochrane Library,
PubMed Clinical Queries

原始出版文章

eg. BMJUpdates, Clinical Queries

實證醫學資料庫整合入口

【資源瀏覽】

Medline

實證醫學

題名

主題

類型

電子期刊平台

電子書平台

新進資料庫

熱門資料庫

試用資料庫

語言

檢索結果主要題名排列：
注音符號：[ㄅ](#) [ㄆ](#)
中文筆劃：[6](#) [13+](#)
A to Z瀏覽：[C](#) [D](#) [E](#) [M](#) [N](#) [T](#) [U](#) [所有](#) (10筆)

檢索結果 10 筆 每頁筆數 跳至 第 筆

編號	個人化	簡介	題名	類型	出版者/平台	全文年代/出版年	使用說明	其他資訊
1	<input type="checkbox"/>		Clin-eguide臨床知識系統		OVID		1人線上版；*在校內網域使用前建議將proxy設定為：proxy.ncku.edu.tw；連接埠：3128。可加快連線速度；校外網域僅可設定rpa使用	ASK
2	<input type="checkbox"/>		Cochrane Library		Wiley Online Library			ASK
3	<input type="checkbox"/>		DynaMed		EBSCOHost			ASK
4	<input type="checkbox"/>		EBM Solution		STATRef		15人線上版	ASK
5	<input type="checkbox"/>		Medscape Reference		WebMD			ASK
6	<input type="checkbox"/>		National Guideline Clearinghouse		NGC			ASK
7	<input type="checkbox"/>		Trip Database - Clinical Search Engine		Trip			ASK
8	<input type="checkbox"/>		UpToDate		UpToDate Online	update	僅限成大醫學中心網域使用，無法透過設定proxy或VPN等進行校外連線使用。若在醫學中心網域無法使用，請檢查是否設定Proxy伺服器並取消設定。瀏覽器上方的【工具】→【網際網路選項】→【連線】→【區域網路設定】→取消勾選【Proxy 伺服器】	ASK
9	<input type="checkbox"/>		考科藍實證醫學資料庫 (Cochrane Reviews中文 版)		國家衛生研究院			ASK
10	<input type="checkbox"/>		實證臨床指引平台		國家衛生研究院		可註冊個人帳號取得更多使用權限	ASK

臨床實證醫學資料庫

1. Clin-eguide 臨床知識系統
2. Cochrane Library 實證醫學資料庫
3. Dynamed 每日更新臨床實證資源
4. EBM Solution 實證醫學資料庫
5. Medscape Reference
6. National Guideline Clearinghouse
7. Trip Database-Clinical Search Engine
8. UpToDate 臨床醫學主題評論資料庫
9. 實證臨床指引平台

Systematic Review

Cochrane Library (Cochrane Reviews & DARE)

Syntheses

Evidence Summary

1. BMJ Clinical Evidence
2. DynaMed
3. EBM Solution (ACP PIER)
4. UpToDate
5. MD Consult (First Consult)
6. Clin-eguide (Evidence-based Guidelines)

Summary

RCTs, Case Cohorts, Control Studies

Cochrane Library (Clinical Trials)

Syntheses

Clinical Research Critiques

EBM Solution (ACP Journal Club)

Synopsis

Meta-Search Engine

1. MD Consult
2. Clin-eguide

Medical Topics, E-books, E-journals, Guidelines...

University of Washington Resources
<http://healthlinks.washington.edu/ebp/ebptools.html>

Haynes, R.(2006). Of studies, syntheses, synopsis, summaries, and systems: the "5S" evolution of information services for evidence-based healthcare decisions. *Evidence-Based Medicine*,11, 162-164.
<http://ebm.bmj.com/cgi/content/full/11/6/162-a>

Cochrane Library 實證醫學資料庫

- Cochrane Reviews(CDRS)：提供疾病與健康照護問題系統性評論與治療效果結論全文。
- Other Reviews(DARE)：提供診斷測試、公共衛生、藥理學、外科醫學、心理學等系統性評論摘要與特殊療法效用。
- Clinical Trials(CENTRAL)：臨床實驗計畫索引。
- Methods Studies(CMR)：臨床實驗計畫摘要，蒐集各實驗方法資訊。
- Technology Assessments(HTA)：全球健康管理技術(即醫療科技)評估計畫索引
- Economic Evaluations (NHSEED)：治療方式比較、成本、效果等醫療經濟評估文獻摘要。



THE COCHRANE LIBRARY

Independent high-quality evidence for health care decision making

from [The Cochrane Collaboration](#)

3. Basic Search

SEARCH THE COCHRANE LIBRARY

Title, Abstract, Keywords

GO

or try an [Advanced Search](#)

HOME

SIGN UP

LEARN

ACCESS

HELP

4. Advanced Search 5. MeSH Search

COCHRANE DATABASE OF SYSTEMATIC REVIEWS

Issue 6 of 12, June 2013

[\(Updated Daily\)](#) | [Contents](#)

BROWSE BY TOPICS

Note: numbers shown below are wrong and will be corrected soon.

[Anaesthesia & pain control](#) (1035)

[Blood disorders](#) (676)

[Cancer](#) (2124)

[Child health](#) (5529)

[Complementary & alternative medicine](#) (563)

[Consumer & communication strategies](#) (183)

[Dentistry & oral health](#) (281)

[Developmental, psychosocial, & learning problems](#) (160)

Expand

[Other Browse Options](#)

SPECIAL COLLECTIONS



World day for Safety and Health at Work 2013



Preventing falls and fall-related injuries in older people



Tuberculosis

EDITORIALS

[Waiting for the evidence from ongoing trials: the role of surgery for treating clavicle fractures](#)

Helen Handoll & Mario Lenza

[Growing pain: striving for quality, relevance and applicability in Cochrane Reviews](#)

Christopher Eccleston, Phil Wiffen, Sheena Derry & Andrew Moore

[Should the Cochrane... do about research... might be, fraudulent?](#)

Nathan Pace, Jane... Møller, Tom Pedersen Zacharias

1. Cochrane Reviews

以主題方式瀏覽評論、新增評論、更新的評論、依字母順排序的評論或各類評論

2. Other Resources

HIGHLIGHTED NEW AND UPDATED COCHRANE REVIEWS

[Probiotics for the prevention of Clostridium difficile-associated diarrhea in adults and children](#)





Enter e-mail address

Enter password

REMEMBER ME

NOT REGISTERED ?
FORGOTTEN PASSWORD ?
INSTITUTIONAL LOGIN >

Search

Search Manager

Medical Terms (MeSH)

Browse



Title, Abstract, Keywords



ovarian cancer

Go

Save

Search

[Add to Search Manager](#)

1. Cochrane Library子資料庫與檢索結果

All Results (2409)

Cochrane Reviews (52)

All

Review

Protocol

Other Reviews (77)

Trials (2116)

Methods Studies (55)

Technology Assessment

Economic Evaluations

Cochrane Groups (0)

All

Current Issue

Me Methodology

Dg Diagnostic

Ov Overview

Cc Conclusions changed

Ns New search

Mc Major change

Up Update

Cochrane Database of Systematic Reviews : Issue 6 of 12, June 2013

Issue [updated daily](#) throughout month

There are **52** results from **7946** records for your search on 'ovarian cancer in title abstract keywords in Cochrane Reviews'

Pages **1 - 25** | **26 - 50** | 51 - 52

Sort by **Relevance**

[Select all](#) | [Export all](#) | [Export selected](#)

3. 檢索結果屬性

(1) **Reviews**: 完整的結果和討論、資料分析和相關的圖表

(2) **Protocols**: **Reviews**的準備大綱，包括背景、原理說明和方法

(3) **Comment**: 完整的**Review**並含有評論及批評。使用者可以提出自己的評論，這些評論會被整合到編輯群的回答與回饋中

(4) **New**: 最新一季版本中所蒐錄的**Protocol**或**Review**

(5) **Updated**: 表示最新一季的版本做過更新 (可查詢更新前的全文)

(6) **Withdrawn**: 被撤消的**Review**或**Protocol**，撤消的理由會在該篇文章上詳細說明

2. 檢索結果

[Chemotherapy versus surgery for initial treatment in advanced ovarian epithelial cancer](#)
Jo Morrison , Krishnayan Haldar , Sean Kehoe and Theresa A Lawrie

尋求圖書館員資訊檢索協助

檢索

- 使用適當的關鍵字查詢
- 訂定關鍵字查詢先後
- 利用資料庫檢索工具精確檢索結果
 - 適當使用檢索工具和運用檢索技巧查詢
 - 利用**Map Term to Subject Heading**比對到**MeSH**專業主題
 - 利用布林邏輯合併檢索結果
 - 限制性條件
 - 相關詞彙，臨床觀念改變，需要不同的查詢用詞

不同實證資源中查找

適當引用臨床指引 (Clinical Practice Guideline, CPG)或教科書資訊

- 直接提供問題解答
- 可供間接參考，修正更深入思考模型，或釐清原先不清楚的關鍵字，把問題問更好
- 可特別說明「臨床指引」資料庫的查詢結果，交代哪些醫學會對怎樣的問題有共識

記錄檢索之詞彙、策略、檢索資源、檢索結果筆數、文獻年代、文獻特性

Search strategy

Truncation and wildcard(*)

NEAR=AND plus words dose together

(furunc* OR (staphylococc* NEAR skin)) AND recur*:TI

Group words with ()

BOOLEANS IN CAPITALS

Words must be in TITLE

From: Question Log: A Tool for “just-in-time” Learning

PubMed



PubMed Clinical Queries

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

About Entrez

Text Version

Entrez PubMed

Overview

Help

FAQ

Tutorials

New/Noteworthy

E-Utilities

PubMed Services

Journals Database

MeSH Database

Single Citation Matcher

Batch Citation Matcher

Clinical Queries

Special Queries

LinkOut

My NCBI

This page provides the following specialized PubMed searches for clinicians:

- [Search by Clinical Study Category](#)
- [Find Systematic Reviews](#)
- [Medical Genetics Searches](#)

② Choose Search Function
Search by Clinical Study Category
Find Systematic Reviews

Search by Clinical Study Category

This search finds citations that correspond to a specific clinical study category. The search may be either broad and sensitive or narrow and specific. The search filters are based on the work of [Haynes RB et al.](#) See the [filter table](#) for details.

Search

④ Filter Table 列有如 Therapy, broad or narrow 定義

Category	Scope
<input type="radio"/> etiology	<input checked="" type="radio"/> narrow, specific search
<input type="radio"/> diagnosis	<input type="radio"/> broad, sensitive search
<input checked="" type="radio"/> therapy	
<input type="radio"/> prognosis	
<input type="radio"/> clinical prediction guides	

③ Search Subject with Category and Scope

① Clinical Queries Search

Find Systematic Reviews

For your topic(s) of interest, this search finds citations for systematic reviews, meta-analyses, reviews of clinical trials, evidence-based medicine, consensus development conferences, and guidelines.

For more information, see [Help](#). See also [related sources](#) for systematic review searching.

Search

⑤ Search Subject for
systematic review, meta-analyses

PubMed—檢索詞彙如何修正(1)

① MeSH Database

② Search Keyword

③ Select MeSH

④ Send to Search Box with AND/OR/NOT

⑤ Link PubMed Major Topic

⑥ Search PubMed

Search MeSH for cost

"Costs and Cost Analysis" [Mesh]

Suggestions: [Cost](#), [Costs](#), [Cocos](#), [Costus](#), [Prost](#), [Cola](#), [Coma](#), [Cope](#), [Comp](#), [Coin](#), [More...](#)

Display Summary Show 20

All: 15

Items 1 - 15 of 15

- 1: [Costs and Cost Analysis](#)
Absolute, comparative, or differential costs pertaining to services, or the analysis and study of these costs.
Year introduced: 1966
- 2: [Economics](#)
The science of utilization, distribution, and consumption of services and materials.
- 3: [economics \[Subheading\]](#)
Used for the economic aspects of any subject, as well as for all aspects of financial management. It includes the raising or providing of funds.
Year introduced: 1978
- 4: [Cost-Benefit Analysis](#)
A method of comparing the cost of a program with its expected benefits in dollars (or other currency). The benefit-to-cost ratio is a measure of total return expected per unit of money spent. This analysis generally excludes consideration of factors that are not measured ultimately in economic terms. Cost effectiveness compares alternative ways to achieve a specific set of results.
Year introduced: 1976
- 5: [Cost Allocation](#)
The assignment, to each of several particular cost-centers, of an equitable proportion of the costs of activities that serve all of them. Cost-center usually refers to institutional departments or services.
Year introduced: 1991(1979)
- 6: [Cost of Illness](#)
The personal cost of acute or chronic disease. The cost to the patient may be an economic, social, or psychological cost or personal loss to self, family, or immediate community. The cost of illness may be reflected in absenteeism, productivity, response to treatment, peace of mind, QUALITY OF LIFE, etc. It differs from HEALTH CARE COSTS, meaning the societal cost of providing

Links

- PubMed
- PubMed - Major Topic
- Clinical Queries
- NLM MeSH Browser

網際網路 10

PubMed—檢索詞彙如何修正(2)

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for bad breath causes Go Clear Save Search

Limits Preview/Index History Clipboard **Details** ① Browse Details

Query Translation:

```
((("halitosis"[TIAB] NOT Medline[SB]) OR "halitosis"[MeSH Terms] OR bad breath[Text Word]) AND ("etiology"[Subheading] OR ("causality"[TIAB] NOT Medline[SB]) OR "causality"[MeSH Terms] OR causes[Text Word]))
```

Search URL ② Check Translations for Searched MeSH

Result:
454

Translations:
bad breath ("halitosis"[TIAB] NOT Medline[SB]) OR "halitosis"[MeSH Terms] OR bad breath[Text Word]
causes "etiology"[Subheading] OR ("causality"[TIAB] NOT Medline[SB]) OR "causality"[MeSH Terms] OR causes[Text Word]

Database:
PubMed

User query:
bad breath causes ① Display

Display Citation Citations Show 20 Sort By Send to

All: 1 Meta-analysis: 0 NCR MedLib: 0 Practice Guideline: 0 Randomized Controlled Trial: 0

1: [J Infect Dis.](#) 2008 Jul 15;198(2):294-5; author reply 295-6. [Related Articles](#), [Links](#)

The University of Chicago Press

Comment on:

- [J Infect Dis.](#) 2008 Jan 15;197(2):270-8.

Influenza pandemics, immune cross-reactivity, and pandemic control strategies.

[Gioia C](#), [Agrati C](#), [Castillette C](#), [Capobianchi MR](#), [Martini F](#).

Publication Types:

- [Comment](#)
- [Letter](#)

MeSH Terms:

- [Animals](#)
- [Birds](#)
- [Cross Reactions](#)
- [Disease Outbreaks](#)
- [Humans](#)
- [Influenza A Virus, H1N1 Subtype/immunology*](#)
- [Influenza A virus/immunology](#)
- [Influenza Vaccines/immunology](#)

② Browse Article's related MeSH

PubMed—篩選資料



A service of the [U.S. National Library of Medicine](#)
and the [National Institutes of Health](#)

My NCBI

Welcome evelynwang. [Sign Out]

All Databases

PubMed

Nucleotide

Protein

Genome

Structure

OMIM

PMC

Journals

Books

Search PubMed

for (raynaud's disease) AND ((clinical[Title/Abstract] AND

Go

Clear

[Advanced Search \(beta\)](#)

① Limits 加入限制性條件

About Entrez
Text Version

Limits

Preview/Index

History

Clipboard

Details

Dates

CLEAR

② 出版時間

Published in the Last: Any date

Added to PubMed in the Last: Any date

Humans or Animals

CLEAR

Humans Animals

Gender

CLEAR

Male Female

Languages

CLEAR

English
 French
 German
 Italian
 Japanese
 Russian
 Spanish

More Languages

Afrikaans
 Albanian

Type of Article

CLEAR

Clinical Trial
 Editorial
 Letter
 Meta-Analysis
 Practice Guideline
 Randomized Controlled Trial
 Review

More Publication Types

Addresses
 Bibliography

Subsets

CLEAR

Bioethics
 Cancer
 Complementary Medicine
 History of Medicine
 Space Life Sciences
 Systematic Reviews
 Toxicology

More Subsets

MEDLINE
 PubMed Central

Ages

CLEAR

All Child: 0-18 years
 All Adult: 19+ years
 Newborn: birth-1 month
 Infant: 1-23 months
 Preschool Child: 2-5 years
 Child: 6-12 years
 Adolescent: 13-18 years
 Adult: 19-44 years
 Middle Aged: 45-64 years
 Middle Aged + Aged: 45+ years

③ 類別

④ 文章
類型

⑤ 欄位
檢索

All Fields
Affiliation
Author
Corporate Author
EC/RN Number
Entrez Date
Filter
First Author
Full Author Name
Full Investigator Name
Grant Number
Investigator
Issue
Journal
Language
Last Author
Location ID
MeSH Date
MeSH Major Topic
MeSH Subheading
MeSH Terms
Pagination
Pharmacological Action
Publication Date
Publication Type
Secondary Source ID
Substance Name
Text Word
Title
Title/Abstract

Tag Terms

Default Tag: Title/Abstract

PubMed—篩選資料

① Register
Personal Account

NCBI PubMed A service of the U.S. National Library of Medicine and the National Institutes of Health www.pubmed.gov

My NCBI Welcome evelynwang.

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for [raynaud's disease] AND ((clinical[Title/Abstract] AN Go Clear Advanced Search (beta) Save Search

Limits Preview/Index History Clipboard Details

Display Summary Show 20 Sort By Send to

All: 2395 Meta-analysis: 5 NCKU MedLib: 201 Practice Guideline: 0 Randomized Controlled Trial: 173 Click

⑤ Results Filter by Setting

- Items 1 - 20 of 2395
- 1: [De Andrés J. Garcia-Delpech S. Pérez VL. Diaz-Llopis M. Udaondo P. Sánchez](#)
Bilateral infusion pump implants as therapy for refractory corneal ulc
Arch Ophthalmol. 2008 Jul;126(7):964-7.
PMID: 18625944 [PubMed - indexed for MEDLINE]
 - 2: [Ingegnoli F. Boracchi P. Gualtierotti R. Lubatti C. Meani L. Zahalkova L. Zeni](#)
Prognostic model based on nailfold capillaroscopy for identifying Ra
spectrum disorder: PRINCE (prognostic index for nailfold capillaros
Arthritis Rheum. 2008 Jul;58(7):2174-82.
PMID: 18576359 [PubMed - indexed for MEDLINE]

Filter Selection: grouping search results

Quick Pick Browse Search My Selections

Browse filters by category

③ Choose Filter

Configure > PubMed > Properties > Publication Types

Filters in category Publication Types

- Articles that review the literature on a subject. (Review)
- Clinical Trial
- Meta-analysis
- Practice Guideline
- Randomized Controlled Trial

Browse filters by category

Configure > PubMed > Properties > Publication Types > Randomized Controlled Trial

- Randomized Controlled Trial

Selections

Add a result tab for all items that match this filter.

④ Add Filter Function to
Personal Environment

Search Strategies For Therapy/Prevention

Step 1. Searching the Disease or Disorder

- Enter terms best describing the disease or disorder.
- Possible Subheadings (for broadest coverage, select "all subheadings")
 - Diet Therapy (DH) • Drug Therapy (DT) • Prevention & Control (PC)
 - Radiotherapy (RT) • Rehabilitation (RH) • Surgery (SU)
 - Therapy (TH) • Transplantation (TR)

Step 2. Searching for the Intervention

- Enter terms best describing the intervention.
- Possible subheadings (for broadest coverage, select "all subheadings")
 - Administration and dosage (AD) • Therapeutic use (TU) • Pharmacology (PD)

Step 3. Combine Previous Searches with boolean operator "and"

Step 4. Quality Filters for Therapy/Prevention Articles

- Quick Filter
 - Ovid Medline : (randomized controlled trial or meta analysis).pt. or double blind\$.tw.
 - PubMed : randomized controlled trial [ptyp] OR systematic review[ptyp] OR double blind* [word] OR "double-blind-method" [mh]
- Clinical Queries

Search Strategies For Diagnosis

Step 1. Searching the Disease or Disorder

- Enter terms best describing the disease or disorder.
- Possible Subheadings (for broadest coverage, select "all subheadings")
 - Diagnosis (DI)
 - Cerebrospinal Fluid (CF)
 - Radionuclide Imaging (RI)
 - Analysis (AN)
 - Pathology (PA)
 - Ultrasonics (US)
 - Blood (BL)
 - Radiography (RA)
 - Urine (UR)

Step 2. Searching for the Intervention

- Enter terms best describing the intervention.
- Possible subheadings (for broadest coverage, select "all subheadings")
 - Diagnostic use (DU)
 - Cerebrospinal Fluid (CF)
 - Analysis (AN)
 - Urine (UR)
 - Blood (BL)

Step 3. Combine Previous Searches with boolean operator "and"

Step 4. Quality Filters for Diagnosis Articles

- Quick Filter
 - Ovid Medline : exp "sensitivity and specificity"/ or exp diagnostic errors/ or predictive value\$.tw.
 - PubMed : "sensitivity and specificity" [mh] OR diagnostic errors [mh] OR predictive value* [word]
- Clinical Queries

Search Strategies For Prognosis

Step 1. Searching the Disease or Disorder

- Enter terms best describing the disease or disorder.
- Possible Subheadings (for broadest coverage, select "all subheadings")
 - Classification (CL)
 - Complications (CO)
 - Diagnosis (DI)
 - Epidemiology (EP)
 - Etiology (ET)
 - Mortality (MO)
 - Physiopathology (PP)

Step 2. Combine Previous Searches with boolean operator "and"

Step 3. Quality Filters for Prognosis Articles

- Quick filter
 - Ovid Medline : exp cohort studies/ or exp survival analysis/
 - PubMed : Cohort studies [mh] OR survival analysis [mh]
- Clinical Queries

Search Strategies For Harm/Etiology

Step 1. Searching the Suggested Source of Harm

- Enter terms best describing the source of harm.
- Possible Subheadings (for broadest coverage, select "all subheadings")
 - Adverse Effects (AE)
 - Contraindications (CT)
 - Poisoning (PO)
 - Toxicity (TO)
 - Mortality (MO) (not always an option)

Step 2. Searching for the Relevant Disorder/ Anticipated Outcome

- Enter terms best describing the disease or disorder/outcome.
- Possible Subheadings (for broadest coverage, select "all subheadings")
 - Abnormalities (AB)
 - Chemically Induced (CI)
 - Etiology (ET)
 - Mortality (MO)
 - Epidemiology (EP)
 - Transmission (TM)

Step 3. Combine Previous Searches with boolean operator "and"

Step 4. Quality Filters for Harm/Etiology Articles

- Quick Filter
 - Ovid Medline : case control studies/ or cohort studies/ or risk/
 - PubMed : case-control studies [mh:noexp] OR cohort studies [mh:noexp]
- Clinical Queries

Search Strategies For Others

Practice Guideline

- Ovid Medline : **Additional Limits** ---> **Publication type**---> Limit to **Practice Guidelines**
- Pubmed : **Limits** Section -->Under **Type of Article** -->Limit to **Practice Guideline**

Systematic Review

- Ovid Medline with Ovid EBMR : **Limits** ---> **EBM Reviews** ---> Limit to **Top Reviews (Cochrane)**
- Ovid Medline : **Additional Limits** ---> **Subject Subsets** --> Limit to **Systematic Review**
- Pubmed : **Clinical Queries** Section--> Search using **Systematic Reviews** search box

Articles on Economic Analysis

- **Cochrane Library** includes and **Economic Evaluations** database that can be searched by **Critically Appraised Economic Evaluations**
- Combine Searches as below with boolean operator "and"
 - Ovid Medline :
 - 精確查詢 : **ec.fs** (adding the subheading economics to your search terms)
 - **cost\$ or economic\$**
 - Pubmed : **cost\$ or economic\$**
- Quick Filters
 - Ovid Medline : **Additional Limits** Section --->**Clinical Queries** box-->limit to **economics**
 - Pubmed : **MeSH Database** Section--> Search using the exact phrase "**cost and cost analysis**"

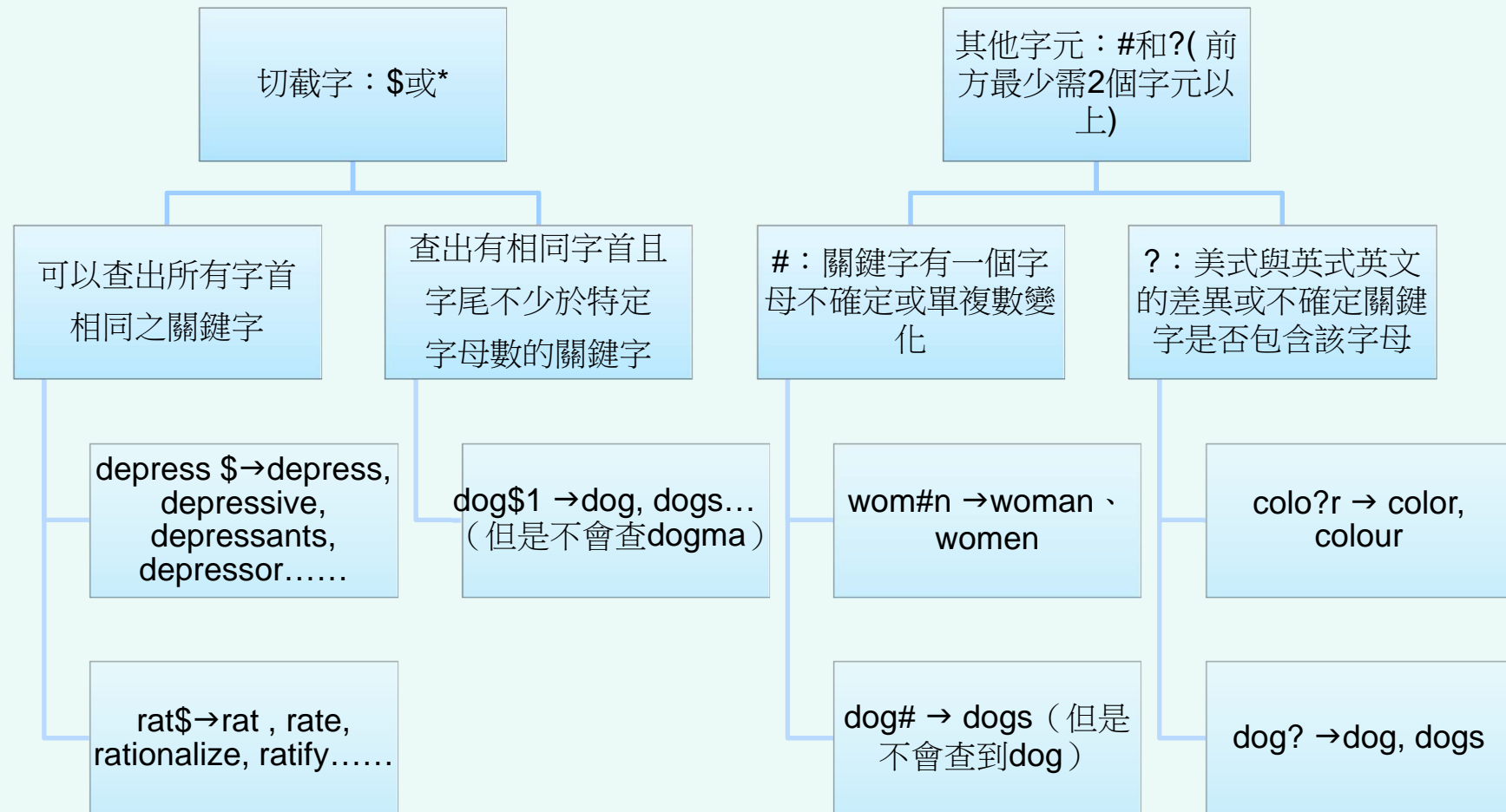
實用技巧-布林邏輯與運算元

萬用字元符號於每個資料庫定義不同，需針對個別資料庫設定而使用

運算元	OVID範例
OR	<ul style="list-style-type: none">•(pregnancy or birth).ti.•1 or 2 or 3 or 5 = or/1,2,3,5 = or/1-3,5
AND	<ul style="list-style-type: none">•(pregnancy and birth).ti.•1 and 2 and 3 and 5 = and/1,2,3,5 = and/1-3,5
Not 排除	<ul style="list-style-type: none">•(education not patient education).ti.•safety not patient safety.ti. ⇒ safety.mp not patient safety.ti•safety not patient safety ⇒ safety.mp not patient safety.mp•1 not 2
AdjN 指定距離	<ul style="list-style-type: none">•physician adj5 relationship•(information adj3 retrieval).tw.
Freq 關鍵字出 現頻率	<ul style="list-style-type: none">•blood pressure.ab./freq=10•(information adj3 retrieval).tw./freq=5 <p>一次僅指定一個欄位；且組合型欄位如SO無法使用Freq.</p>

成功大學圖書館醫學院分館，2008-07-09(三)「實證醫學/護理在Medline」教育訓練會，飛資得資訊股份有限公司李紹迪小姐主講。

實用技巧-切截字與萬用字元



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範例說明


- 一位五十歲女性，因更年期症狀來診，提到因感到記憶力變差，新聞說吃荷爾蒙可改善記憶力，問醫生可不可行。

Estrogen deficiency

- Aging
- Surgical menopause
- Menopausal symptoms
- Memory loss
- Bone loss
- Sexual dysfunction
- Hormone therapy?
 - Benefits Vs Harm

PubMed ▾ hormone therapy AND memory ✕

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- [Long-Term Effects on Cognitive Function of Postmenopausal **Hormone Therapy** Prescribed to Women Aged 50 to 55 Years.](#)

Espeland MA, Shumaker SA, Leng J, Manson JE, Brown CM, Leblanc ES, Vaughan L, Robinson J, Rapp SR, Goveas JS, Lane D, Wactawski-Wende J, Stefanick ML, Li W, Resnick SM; for the WHIMSY Study Group.

JAMA Intern Med. 2013 Jun 24;1-8. doi: 10.1001/jamainternmed.2013.7727. [Epub ahead of print]

PMID: 23797469 [PubMed - as supplied by publisher]

[Related citations](#)

- [Restoration of hippocampal growth **hormone** reverses stress-induced hippocampal impairment.](#)

2. Vander Weele CM, Saenz C, Yao J, Correia SS, Goosens KA. Front Behav Neurosci. 2013 Jun 14;7:66. doi: 10.3389/fnbeh.2013.00066. Print 2013.

PMID: 23785317 [PubMed] [Free PMC Article](#)

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- [Selenium supplementation for Hashimoto's thyroiditis.](#)

3. van Zuuren EJ, Albusta AY, Fedorowicz Z, Carter B, Pijl H. Cochrane Database Syst Rev. 2013 Jun 6;6:CD010223. doi: 10.1002/14651858.CD010223.pub2.

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Results: 2 [Hormone Replacement Therapy](#)

1. Therapeutic use of **hormones** to alleviate the effects of **hormone** deficiency.

Year introduced: 1999

 [Estrogen Replacement Therapy](#)

2. The use of hormonal agents with estrogen-like activity in postmenopausal or other estrogen-deficient women to alleviate effects of **hormone** deficiency, such as vasomotor symptoms, DYSpareunia, and progressive development of OSTEOPOROSIS. This may also include the use of progestational agents in combination **therapy**.

Year introduced: 1990

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Species

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- [Other Animals](#)

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[Selenium supplementation for Hashimoto's thyroiditis.](#)

1. van Zuuren EJ, Albusta AY, Fedorowicz Z, Carter B, Pijl H.
Cochrane Database Syst Rev. 2013 Jun 6;6:CD010223. doi: 10.1002/14651858.CD010223.pub2.
PMID: 23744563 [PubMed - in process]
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[Tenuigenin ameliorates learning and memory impairments induced by ovariectomy.](#)

2. Cai ZL, Wang CY, Gu XY, Wang NJ, Wang JJ, Liu WX, Xiao P, Li CH.
Physiol Behav. 2013 May 17;118C:112-117. doi: 10.1016/j.physbeh.2013.05.025. [Epub ahead of print]
PMID: 23688946 [PubMed - as supplied by publisher]
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[The association between pulse wave velocity and cognitive function: the Sydney Memory and Ageing](#)

3. [Study.](#)
Singer J, Trollor JN, Crawford J, O'Rourke MF, Baune BT, Brodaty H, Samaras K, Kochan NA, Campbell L, Sachdev PS, Smith E.
PLoS One. 2013 Apr 30;8(4):e61855. doi: 10.1371/journal.pone.0061855. Print 2013.
PMID: 23627049 [PubMed - in process] [Free PMC Article](#)

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A beneficial effect of estrogen on working memory in postmenopausal [Horm Behav. 2000]

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Review Hormone therapy, dementia, and cognition: the Women's Health [Climacteric. 2012]

Hormone supplementation during aging: how much and when? [Rejuvenation Res. 2012]

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hormone replacement therapy AND memory

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Scope: Broad

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Selenium supplementation for Hashimoto's thyroiditis.

van Zuuren EJ, Albusta AY, Fedorowicz Z, Carter B, Pijl H.

Cochrane Database Syst Rev. 2013 Jun 6; 6:CD010223. Epub 2013 Jun 6.

Cognitive performance in healthy women during induced hypogonadism and ovarian steroid addback.

Schmidt PJ, Keenan PA, Schenkel LA, Berlin K, Gibson C, Rubinow DR.

Arch Womens Ment Health. 2013 Feb; 16(1):47-58. Epub 2012 Nov 28.

Growth hormone reverses streptozotocin-induced cognitive impairments in male mice.

Enhamre-Brolin E, Carlsson A, Hallberg M, Nyberg F.

Behav Brain Res. 2013 Feb 1; 238:273-8. Epub 2012 Nov 1.

Developmentally-induced hypothyroidism alters the expression of Egr-1 and Arc genes and the sensitivity to cannabinoid

Giné E, Echeverry-Alzate V, López-Moreno JA, López-Jimenez A, Torres-

Systematic Reviews

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Selenium supplementation for Hashimoto's thyroiditis.

van Zuuren EJ, Albusta AY, Fedorowicz Z, Carter B, Pijl H.

Cochrane Database Syst Rev. 2013 Jun 6; 6:CD010223. Epub 2013 Jun 6.

Mild cognitive impairment and dementia: the importance of modifiable risk factors.

Etgen T, Sander D, Bickel H, Förstl H.

Dtsch Arztebl Int. 2011 Nov; 108(44):743-50. Epub 2011 Nov 4.

Hormone Replacement Therapy and Cognition

Leblanc E, Chan B, Nelson HD.

2002 Aug.

Aging, estrogens, and episodic memory in women.

Henderson VW.

Cogn Behav Neurol. 2009 Dec; 22(4):205-14.

Thyroxine alone or thyroxine plus triiodothyronine replacement

Medical Genetics

Topic: All

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Developmentally-induced hypothyroidism alters the expression of Egr-1 and Arc genes and the sensitivity to cannabinoid

Giné E, Echeverry-Alzate V, López-Moreno JA, López-Jimenez A, Torres-Romero D, Perez-Castillo A, Santos A.

Mol Cell Endocrinol. 2013 Jan 5; 365(1):119-28. Epub 2012 Oct 16.

Loss of smell but not taste in adult women with Turner's syndrome and other congenital hypogonadisms.

Ros C, Alobid I, Centellas S, Balasch J, Mullol J, Castelo-Branco C.

Maturitas. 2012 Nov; 73(3):244-50. Epub 2012 Aug 11.

Effects of genistein and daidzein on hippocampus neuronal cell proliferation and BDNF expression in H19-7 neural cell line.

Pan M, Han H, Zhong C, Geng Q.

J Nutr Health Aging. 2012 Apr; 16(4):389-94.

Estradiol acts via estrogen receptors alpha and beta on pathway important for synaptic plasticity in the mouse

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Scope: Narrow

Systematic Reviews

Medical Genetics

Topic: All

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Cognitive function in association with sex hormones in postmenopausal women.

Kocoska-Maras L, Rådestad AF, Carlström K, Bäckström T, von Schoultz B, Hirschberg AL.

Gynecol Endocrinol. 2013 Jan; 29(1):59-62. Epub 2012 Sep 11.

Depressive symptoms, antidepressant use, and future cognitive health in postmenopausal women: the Women's

Goveas JS, Hogan PE, Kotchen JM, Smoller JW, Denburg NL, Manson JE, Tummla A, Mysiw WJ, Ockene JK, Woods NF, et al.

Int Psychogeriatr. 2012 Aug; 24(8):1252-64. Epub 2012 Feb 3.

Testosterone improves verbal learning and memory in postmenopausal women: Results from a pilot study.

Davison SL, Bell RJ, Gavrilescu M, Searle K, Maruff P, Gogos A, Rossell SL, Adams J, Egan GF, Davis SR.

Maturitas. 2011 Nov; 70(3):307-11. Epub 2011 Sep 17.

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Results: 5 of 30

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