



The Cochrane Library

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大綱

- 一、資料庫背景介紹
- 二、介面介紹
- 三、利用PICO檢索_又快又準
- 四、利用Mesh Term檢索_聰明不遺漏
- 五、利用Search Manager_策略化檢索
- 六、註冊個人帳號，善用個人化功能



為什麼需要 The Cochrane Library?

知識不夠

「你們現在在醫學院所學到的，其中有一半在十年內將會被證實是錯誤的；糟糕的是，連你的老師也不知道哪些是錯誤的。」

~Dr. Sydney Burwell
(1956 Dean, Harvard Medical School)

時間不夠

>2百萬篇文章發表於2萬種生物醫學期刊/年
→台北101大樓(500公尺)
>**21篇**/天→掌握核心發展最新狀況

專業推崇

醫學界重要的出版品一致推崇Cochrane Review是目前**最具參考價值的系統評論(Gold Standard)**

- The Lancet
- New England Journal of Medicine
- British Medical Journal
- The Journal of the American Medical Association

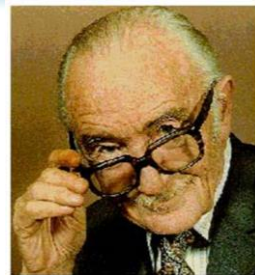
3



資料庫背景介紹

1972年 英國流行病學家Archie Cochrane

- 使用已被證明有效果的醫療措施
→**避免醫療資源浪費**
- 呼籲健康照護的成效應有**實證研究**支持
→RCT研究



Professor Archibald Leman Cochrane,
CBE FRCP FFCM, (1909-1988)
英國內科醫師及流行病學專家

1993年 Cochrane Collaboration成立

14個研究中心 (亞洲的分支：新加坡、泰國、香港等，2015年9月)

53個醫療系統評論小組(如：呼吸性感染、麻醉等...)

15000位醫療專業人士 (科學家、健康專家、研究人員)

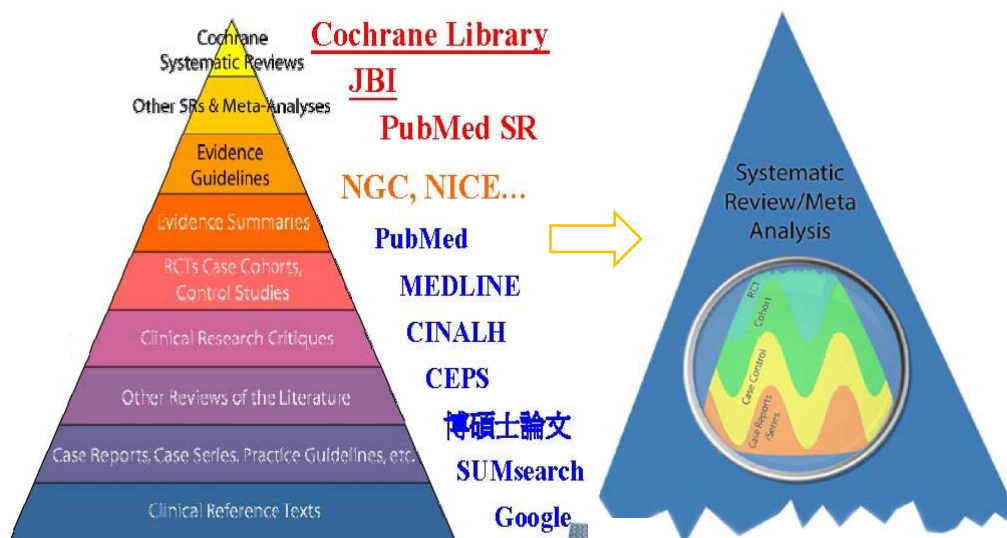
投入Systematic Review

研究成果收錄成CDSR(Cochrane Database of Systematic Review)

2-3年會重新進行資料收集及評讀

4

文獻搜尋優先順序 (STRATEGY: top down)



5

針對特定臨床醫療照護問題的介入方式評斷其療效，協助醫生進行診療判斷與決策

收錄資料量

January, 2016
the *CDSR* includes 9201 records:
6471 Reviews
2460 Protocols

SCI排名

2014年 "COCHRANE DB SYST REV" 在
Medicine, General & Internal category領域
下 Impact Factor= 6.035，排名第13/154

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- **Cochrane Database of Systematic Reviews (Cochrane Reviews)**
 - 針對特定臨床問題(健康照護)的介入方式評斷其療效，是全文資料庫
- **Database of Abstracts of Reviews of Effects (Other Reviews)**
 - 收錄經過嚴格審核標準的系統評論摘要資料庫
- **Cochrane Central Register of Controlled Trials (Clinical Trials)**
 - 收錄隨機臨床實驗的書目資料庫
- **Cochrane Methodology Register (Methods Studies)**
 - 蒐集已出版的且針對產生對照實驗方法的書目資訊
- **Health Technology Assessment Database (Technology Assessments)**
 - 提供健康醫療技術之評估摘要，目的在於改善健康照顧的品質及成本效益
- **NHS Economic Evaluation Database (Economic Evaluations)**
 - 收錄不同治療方式的成本比較和治療效果比較等摘要資料

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“Standard EBM” Steps in EBM process (5 As)

- 提出問題(Ask: PICO)
 - Formulate an answerable question
- 搜尋證據(Acquire)
 - Track down the best evidence
- 嚴格評讀(Appraisal: VIP)
 - Critically appraise the evidence
- 恰當運用(Apply: 3E)
 - Integrate with clinical expertise and patient values
- 衡量結果(Audit)
 - Monitoring your performance

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實證醫學五步驟

- 提出問題(Ask: PICO)
 - Patient or Problem(病人或問題)
 - Intervention or Indicator(介入或指標)
 - 某種治療、檢查、危險因子等
 - Comparator(比較)
 - 該治療和什麼相比
 - Outcome (結果)
 - 想達成或避免什麼結果

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The screenshot shows the Cochrane Library homepage with several numbered annotations:

- 1**: Points to the search bar at the top right, labeled "Search title, abstract, keyword".
- 2**: Points to the navigation menu at the top, including "Cochrane Reviews", "Trials", "More Resources", "About", and "Help".
- 3**: Points to the "Highlighted Reviews" section, which lists several reviews including "Aquatic exercise for the treatment of knee and hip osteoarthritis" and "Workplace interventions for reducing sitting at work".
- 4**: Points to the "comment" button in the bottom right corner, which is part of a section titled "Tell us what you think. We welcome your comments on Cochrane Reviews."

Cochrane Library 主頁面

[View current issue](#)

Browse by Topic

Browse the *Cochrane Database of Systematic Reviews*...

1

- Blood disorders
- Cancer
- Child health
- Complementary & alternative medicine
- Consumer & communication strategies
- Dentistry & oral health
- Developmental, psychosocial & learning problems
- Diagnosis
- Ear, nose & throat
- Effective practice/health systems
- Endocrine & metabolic
- Eyes & vision
- Gastroenterology
- Genetic disorders
- Gynaecology
- Health & safety at work
- Heart & circulation

- Infectious disease
- Kidney disease
- Lungs & airways
- Mental health
- Methodology
- Neonatal care
- Neurology
- Orthopaedics & trauma
- Pain & anaesthesia
- Pregnancy & childbirth
- Public health
- Rheumatology
- Skin
- Tobacco, drugs & alcohol
- Urology
- Wounds

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...or [browse by Cochrane Review Group](#)



No time to read Cochrane Reviews? Think again.

2

[visit Cochrane Clinical Answers](#)




Curated collections of related Cochrane Reviews are at your fingertips.

3

[read Special Collections](#)

Browse


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Trusted evidence.
 Informed decisions.
 Better health.

Cochrane.org

Search title, abstract, keyword

Browse

Advanced Search


Cochrane Reviews

Trials

More Resources

About

Help



Highlighted Reviews

Aquatic exercise for the treatment of knee ar
 Else Marie Bartels, Carsten B Juhl, Robin Christ
 Lund
 23 March 2016


Workplace interventions for reducing sitting
 Nipun Shrestha, Katriona T Kukkonen-Harjula, J
 17 March 2016

16 Interventions for improving outcomes in pat
 Susan M Smith, Emma Wallace, Tom O'Dowd, M
 14 March 2016

Browse by Topic
 Browse the Cochrane Database of Systematic Reviews...


Blood disorders	Infectious disease
Cancer	Kidney disease
Child health	Lungs & airways
Complementary & alternative medicine	Mental health
Consumer & communication strategies	Methodology
Dentistry & oral health	Neonatal care
Developmental, psychosocial & learning problems	Neurology
Diagnosis	Orthopaedics & trauma
Ear, nose & throat	Pain & anaesthesia
Effective practice/health systems	Pregnancy & childbirth
Endocrine & metabolic	Public health
Eyes & vision	Rheumatology
Gastroenterology	Skin
Genetic disorders	Tobacco, drugs & alcohol
Gynaecology	Urology
Health & safety at work	Wounds
Heart & circulation	

...or browse by Cochrane Review Group



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Browse by Topic
 Browse the Cochrane Database of Systematic Reviews...

Blood disorders

Cancer

Child health

Complementary & alternative medicine

Consumer & communication strategies

Dentistry & oral health

Developmental, psychosocial & learning problems

Diagnosis

Ear, nose & throat

Effective practice/health systems

Endocrine & metabolic

Eyes & vision

Gastroenterology

Genetic disorders

Gynaecology

Health & safety at work

Heart & circulation

Infectious disease

Kidney disease

Lungs & airways

Mental health

Methodology

Neonatal care

Neurology

Orthopaedics & trauma

Pain & anaesthesia

Pregnancy & childbirth

Public health

Rheumatology


Skin

Tobacco, drugs & alcohol

Urology


Wounds

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Trusted evidence.
Informed decisions.
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Advanced Search | Search Manager | MeSH

Cochrane Reviews ▾ Trials ▾ More Resources ▾ About ▾ Help ▾

Cancer

Narrow your results

Topic

- Cancer
 - Bladder (9)
 - Breast (49)
 - Childhood cancers (28)
 - Colorectal (57)
 - General cancer treatments (55)
 - Gynaecological (85)
 - Haematological malignancies (48)

show more (19)

Cancer

Narrow your results

Topic

- Cancer
 - Childhood cancers
 - Chemotherapy (11)
 - Supportive care (17)
 - Surgery (1)

28 items matching Childhood cancers

Page: 1 2 Next ▶

Sort by: Date: Newest First ▾

閱讀全文

Retinoic acid post consolidation therapy for high-risk neuroblastoma patients treated with autologous hematopoietic stem cell transplantation
Frank Peinemann, Elvira C van Dalen, Doreen A Tushabe, Frank Berthold
Online Publication Date: January 2015

New Review Intervention

Minimally invasive surgery versus open surgery for the treatment of solid abdominal and thoracic neoplasms in children
Elvira C van Dalen, Manou S de Lijster, Lieve GJ Leijssen, Erna MC Michiels, Leontien CM Kremer, Huib N Caron, Daniel C Aronson
Online Publication Date: January 2015

New search Review Intervention

Chemotherapy for children with medulloblastoma
Erna MC Michiels, Antoinette YN Schouten-Van Meeteren, François Doz, Geert O Janssens, Elvira C van Dalen
Online Publication Date: January 2015

New Review Intervention

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Cochrane Library
Trusted evidence.
Informed decisions.

Search title, abstract, keyword

Cochrane Reviews ▾

Airways Group

Narrow your results

Cochrane Review Group

- Airways Group

Topic

- Child health (160)
- Complementary & alternative medicine (16)
- Developmental, psychosocial & learning problems (1)
- Diagnosis (1)
- Gastroenterology (2)
- Genetic disorders (1)
- Heart & circulation (1)

show more (4)

Browse by Coch

Browse the Cochrane Database

- Acute Respiratory Infection
- Airways Group
- Anaesthesia Group
- Back Group
- Bone, Joint and Muscle Tra
- Breast Cancer Group
- Childhood Cancer Group
- Colorectal Cancer Group
- Consumers and Communica
- Cystic Fibrosis and Genetic I
- Dementia and Cognitive Im
- Depression, Anxiety and Ne
- Developmental, Psychosocial and Learning Problems Group
- Drugs and Alcohol Group
- Ear, Nose and Throat Disorders Group
- Effective Practice and Organisation of Health Care Group
- Neonatal Group
- Neuromuscular Disease Group
- Occupational Safety and Health Group
- Oral Health Group

Highlighted Cochrane Reviews

Indacaterol, a once-daily beta2-agonist, versus twice-daily beta2-agonists or placebo for chronic obstructive pulmonary disease
James B Geake, Eli J Dabscheck, Richard Wood-Baker, Christopher J Cates

339 matching items

Page: 1 2 3 4

Sort by: Date: Newest First ▾

選取相關主題的子分類，並閱讀全文

Exhaled nitric oxide levels to guide treatment for children with asthma
Helen L Petsky, Kayleigh M Kew, Jennifer A Kynaston, Cathy Turner, Anne B Chang
Online Publication Date: January 2015

New Protocol Intervention

Unsupervised exercise training versus no exercise training for chronic obstructive pulmonary disease
Katy E Mitchell, Rachael A Evans, Vicki Johnson-Warrington, Karen Rees, Theresa Harvey-Dunstan, Sally J Singh
Online Publication Date: January 2015

New Protocol Intervention

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CDSR翻譯

「讓全世界看到你!!!」考科藍摘要中文翻譯志工招募計畫

「考科藍摘要中文翻譯志工」報名表

專業領域(如：心臟、呼吸道、腸胃、骨骼肌肉、婦產、老人、兒童、癌症、精神疾病、護理照護、口腔健康、公共衛生...等，請盡量多填幾項。)：

專業領域(如：心臟、呼吸道、腸胃、骨骼肌肉、婦產、老人、兒童、癌症、精神疾病、護理照護、口腔健康、公共衛生...等，請盡量多填幾項。)：

疾管署防疫醫師赴中南美洲瞭解茲卡病毒疫情防治資訊，並對僑胞進行衛教宣導
2016/04/06

➤ 教育可以不e樣 2016/03/24

- Cochrane Review of legislative smoking bans profiled in BuzzFeed 2016/02/05

- Unbound Medicine

2016 實證健康照護「考科藍話家常」徵文比賽

一. 緣起:

在現今資訊大爆炸時代，每日有各式各樣健康新知相關報導，常使醫療人員及民眾對正確的健康照護建議感到莫衷一是。「實證醫學」以流行病學和統計學的方法，從龐大的醫學資料庫中嚴格評讀、綜合分析找出值得信賴的部分，提供最佳的臨床決策參考。在眾多文獻中，考科藍圖書館 (Cochrane Library) 係當前國際上實證醫學最具代表性、以收錄系統性文獻回顧為主的線上電子資料庫。為使考科藍圖書館收錄的系統性回顧結果更能廣為大眾了解，臺北醫學大學考科藍臺灣研究中心特舉辦考科藍文獻回顧(Cochrane Review)之徵文比賽，使更多醫護人員及民眾更容易地了解、認識實證醫學及系統性文獻回顧相關研究結果。

二. 投稿說明:

- 主要參考文獻：由考科藍圖書館 (Cochrane Library) 之 Cochrane Database of Systematic Reviews(CDSR) 子資料庫中，找一篇有興趣的文章，將其研究主要結果與結論，以貼近生活、淺顯易懂的中文口吻論述之，使一般民眾也能了解醫學文獻研究結果。
- 文章選擇以近五年內、最新版本之文獻回顧為主（請依文章建議的引文格式列出參考文獻）。
- 投稿文章格式包含標題、作者、實證內容、結語、參考文獻，全文以1000字以內為限(不含參考文獻)，圖文不拘。
- 除CDSR以外，亦可佐證其他科學文獻研究參考資料(以不超過3篇/筆為原則)，需提供文獻引用資料。
- 以Word檔繳交，所有標點符號及括弧請使用全形字體，年齡、時間、數量等數字請使用阿拉伯數字，字體請用新細明體、字型12、固定行高12pt。檔名格式如：姓名+標題，並附上CDSR參考文獻檔案PDF檔。

三. 活動辦法:

- 第一階段徵稿期間: 即日起至 4月24日 (23:59) 止

下載、填寫**聲明書**與稿件電子檔、參考文獻PDF檔(請參考**範例**)以E-mail寄送，繳件後請來電確認。

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註冊帳號

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1

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3. 進入到Wiley Online Library平台的註冊畫面。填入個人E-mail、密碼、個人姓名、國家地區等資訊，並且勾選Term of Use後，Submit Registration。

請將有紅色星號*的欄位填寫正確後提交

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Password: *

Re-type Password: *

A one-time confirmation e-mail will be sent to this address. Your e-mail will serve as your login.

Passwords must be alphanumeric (no special characters) between 5 and 32 characters long.

Personal Profile

First name: *

Last name: *

Country/Location: *

Area of Interest: *

Select your country or location

Select your area of interest

First Name and Last Name should be alphanumeric with the following allowed characters: hyphen(-), single quotes('), space and dot

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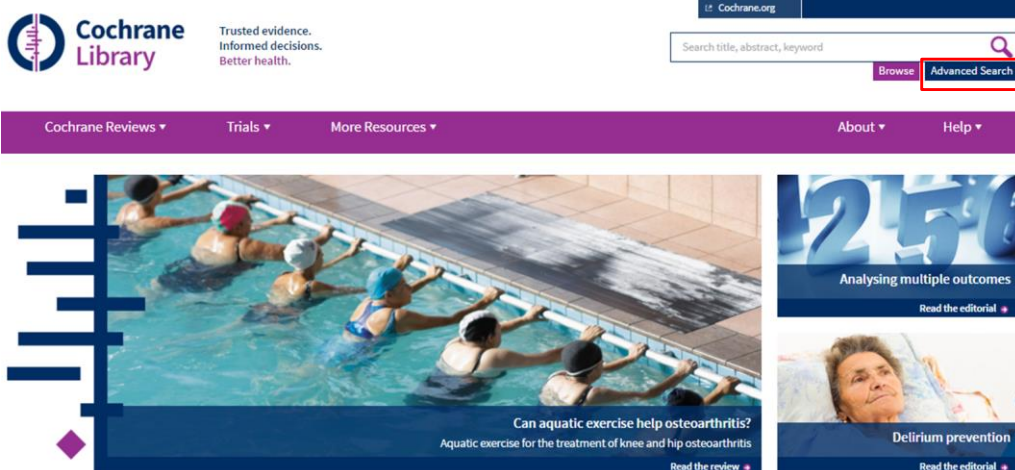
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Search



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Limit search to the following:
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☐ New Search
☐ Conclusions Changed
☐ Major Change
☐ Commented
☐ Withdrawn

Cochrane Review Group
Choose review group

Dates
Publication Year (available for all databases)
Year (YYYY) the article was originally published
**For Cochrane Reviews, this is the year of the last update
☒ All Years
☐ Between
YYYY and YYYY

Or
Cochrane Library Online Publication Date
Date the article was added (or last updated) on the Cochrane Library **Available for Cochrane Reviews only
☐ All Dates
☐ In the last 1 month
☐ Between
Jan YYYY and Jan YYYY

☐ Word variations will not be searched (e.g. "paid" will not find pay, pays, paying, payed)

Apply
Clear

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評論狀態圖示說明

	Hormone replacement therapy for women with type 1 diabetes mellitus Liz Mackay, Lynn Kilbride, Karen A Adamson and John Chisholm Online Publication Date: June 2013	Review
	Different intensities of glycaemic control for pregnant women with pre-existing diabetes Philippa Middleton, Caroline A Crowther and Lucy Simmonds Online Publication Date: August 2012	Up Review
	Concomitant for diabetes mellitus Matthew J Leach and Saravana Kumar Online Publication Date: September 2012	Mc Review

Review

全面完整的評論，包括結果和討論，還可能包括結合各項研究結果的統計分析方法。

Protocol

正在進行中的評論大綱，包括背景、原理和方法。

Up

如最近一期所發表，已經針對現有的評論進行了新的研究檢索。

Mc

已經修訂實驗方法，以反映最近一期中發表的範圍變化。

Cc

最新一期中發表、且結論有重大修正的評論。

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檢索範例

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一般檢索

Case :

抗生素能否緩和喉嚨痛的症狀？

Can **antibiotics** help in alleviating the symptoms
of **sore throat** ?

檢索策略：

(antibiotics):ti,ab,kw and (sore throat):ti,ab,kw

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檢索列若空白須刪除


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單篇文獻顯示頁面

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[Enhanced Article \(HTML\)](#)
[Summary \(58K\)](#)
[Standard \(453K\)](#)
[Full \(695K\)](#)

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情境分析 一

情境:

一位22歲身高修長之女大學生，因為突發性胸痛至急診，您發現在胸部X-ray顯示在肺部右側有明顯的氣胸，初步估計大約佔右側肺部約40%的體積，您認為此時應該要使用引流管來治療氣胸，但是病人與家屬認為是否可以先觀察後，若情況不佳時再決定是否放置引流管，他們也同時問到現在醫療技術中是否可使用較小的引流管而不需傳統胸管來做治療。請問您就醫療實證醫學予與治療評估模式(包括cure rate、successful rate、odds ratio with 95% confidence interval、或其他的prognostic factors)等依據，來比較不同治療方法上的優劣，並針對此病人做適當治療上之建議。

取自北榮實證醫學小組 林小伶護理督導長 案例

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情境分析 一



情境:

一位22歲身高修長之女大學生，因為突發性胸痛至急診，您發現在胸部X-ray顯示在肺部右側有明顯的氣胸，初步估計大約佔右側肺部約40%的體積，您認為此時應該要使用引流管來治療氣胸，但是病人與家屬認為是否可以先觀察後，若情況不佳時再決定是否放置引流管，他們也同時問到現在醫療技術中是否可使用較小的引流管而不需傳統胸管來做治療。請問您就醫療實證醫學予與治療評估模式(包括cure rate、successful rate、odds ratio with 95% confidence interval、或其他的prognostic factors)等依據，來比較不同治療方法上的優劣，並針對此病人做適當治療上之建議。

取自北榮實證醫學小組 林小伶護理督導長 案例

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P.I.C.O.

P	成人氣胸	spontaneous pneumothorax
Type of Q	Treatment	
I	引流管	needle aspiration
C	傳統胸管	tube thoracostomy
O	增加治療成功率復發	successful & recurrence rate

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情境分析

情境:
 四十五歲男性，事業有成，父親過去因急性心肌梗塞猝死，因此一直注重養生不抽菸。定期接受健康檢查:沒有高血壓、糖尿病或高血脂。最近哥哥突然又發生急性心肌梗塞接受緊急心導管治療救回來。這些親人狀況令他非常焦慮，在安排例行健康檢查時，問了一連串的問題:有沒有什麼檢查可以讓他及早預防類似狀況？聽說深海魚油可以預防心血管疾病，真的嗎?聽說降血脂藥也可以預防心血管疾病，但又聽說吃降血脂藥會增加糖尿病的風險及造成腎臟病，真的嗎?那平常多吃些通血管的藥有沒有幫忙????

取自北榮實證醫學中心何主任案例

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情境分析

情境分析:

四十五歲男性，事業有成，父親過去因急性心肌梗塞猝死，因此一直注重養生不抽菸。定期接受健康檢查:沒有高血壓、糖尿病或高血脂。最近哥哥突然又發生急性心肌梗塞接受緊急心導管治療救回來。這些親人狀況令他非常焦慮，在安排例行健康檢查時，問了一連串的問題:有沒有什麼檢查可以讓他及早預防類似狀況？聽說深海魚油可以預防心血管疾病，真的嗎？聽說降血脂藥也可以預防心血管疾病，但又聽說吃降血脂藥會增加糖尿病的風險及造成腎臟病，真的嗎？那平常多吃些通血管的藥有沒有幫忙????

取自北榮實證醫學中心何主任案例

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情境分析、形成問題

形成問題:

- 四十五歲男性，急性心肌梗塞家族史(+)，不抽菸、沒有高血壓、糖尿病或高血脂、糖尿病或高血脂。焦慮(A型個性) [高/中/低心血管疾病風險族群?]。
- [什麼]檢查可以及早預防類似狀況？篩檢或確診？
- 深海魚油可預防心血管疾病? fish oil 或特別成分
- 降血脂藥可預防心血管疾病，但會增加糖尿病及造成腎臟病? statin, niacin or fibrate; Therapy vs harm
- 通血管的藥有沒有幫忙? aspirin, 銀杏(Ginkgo), plavix

取自北榮實證醫學中心何主任案例

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Intervention Review
Omega 3 fatty acids for prevention and treatment of cardiovascular disease
 Lee Hooper^{1,*}, Roger A Harrison², Carolyn D Summerbell³, Helen Moore³, Helen V Worthington⁴, Andrew Ness⁵, Nigel Capps⁶, George Davey Smith⁷, Rudolph Riemersma⁸, Shah Ebrahim⁹
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文章資訊

Abstract
 Background
 It has been suggested that omega 3 (W3, n-3 or omega-3) fats from oily fish and plants are beneficial to health.
 Objectives

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Abstract
 Background
 It has been suggested that omega 3 (W3, n-3 or omega-3) fats from oily fish and plants are beneficial to health.
 Objectives
 To assess whether dietary or supplemental omega 3 fatty acids alter total mortality, cardiovascular events or cancers using cohort and cohort studies.
 Search methods
 Five databases were searched for randomised controlled trials (RCTs) published between 1980 and 2004.
 Select RCTs
 Authors' conclusions
 It is not clear that dietary or supplemental omega 3 fats alter total mortality, combined cardiovascular events or cancers in people with, or at high risk of, cardiovascular disease or in the general population. There is no evidence we should advise people to stop taking rich sources of omega 3 fats, but further high quality trials are needed to confirm suggestions of a protective effect of omega 3 fats on cardiovascular health.

通俗易懂的語言總結

Plain language summary
 There is not enough evidence to say that people should stop taking rich sources of omega 3 fats, but further high quality trials are needed to confirm the previously suggested protective effect of omega 3 fats for those at increased cardiovascular risk.
 The review shows that it is not clear whether dietary or supplemental omega 3 fats (found in oily fish and some vegetable oils) alter total deaths, cardiovascular events (such as heart attacks and strokes) or cancers in the general population, or in people at risk of, or with, cardiovascular disease. When the analysis was limited to fish-based or plant-based, dietary or supplemental omega 3 fats there was still no evidence of reduction in deaths or cardiovascular events in any group.

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摘要

Jump to...

背景

歐米加3脂肪酸用於預防及治療心血管疾病

目前認為來自多油的魚類和植物的歐米加3(W3, n-3或歐米加-3)脂類對健康有益。

目標

以隨機分配試驗及世代研究來評估飲食中或補充的

搜尋策略

搜尋包含CENTRAL、MEDLINE和EMBASE在內的五個資料庫，時間到2002年2月。沒有施行語言的限制。參考文獻也進行查核並聯絡作者。

選擇標準

對歐米加3的攝取或建議進行隨機分派且除去干擾因素之隨機分配試驗，試驗期間至少6個月。需追蹤至少6個月的世代研究才涵括在內，並進行歐米加3攝取量的預估。

資料收集與分析

對試驗進行加入及資料擷取的評估，試驗品質則獨立地評估兩次。分別對隨機分配試驗及世代研究的資料進行統合分析。

主要結論

共涵括48個隨機分配試驗(36,913個參加者)和41個世代分析。試驗的集合結果並無法顯示額外攝取歐米加3脂類者可減少總死亡率或合併的心血管事件之風險(具有顯著的統計上異質性)。敏感性分析僅涵括那些偏差風險低的試驗，可減少異質性但仍暗示歐米加3脂類沒有顯著效果。將分析的範圍侷限於魚類來的歐米加3脂類或拒絕歐米加3脂類量較高的試驗仍無法顯示這兩者對死亡率或心血管事件有顯著影響。飲食建議或額外補充、心血管疾病的基準風險或歐米加3脂類劑量的次族群分析顯示這些因素對主要終點沒有明確的影響。歐米加3脂類攝取量更高的隨機分配試驗或世代研究都沒有顯示會增加癌症的相對風險，但因為劑量的估計並不準確，所以無法排除對臨床有重要影響。

作者結論

目前並不清楚飲食中或額外補充歐米加3脂類對於已患有或罹患心血管疾病風險高者或一般人口是否可以降低總死亡率、合併的心血管事件或癌症的風險。目前沒有證據顯示有人應建議民眾停止攝取富含歐米加3脂類來源的物質，但需要更進一步的高品質試驗來確定歐米加3脂類對心血管健康有保護性效果。目前沒有明確證據顯示不同來源(魚類或植物)、不同補充方式(飲食中或額外補充)、不同劑量或是否有安慰劑做比較對於歐米加3脂類的效果有影響。

翻譯人

本摘要由臺北榮民總醫院陳國維翻譯。

此翻譯計畫由臺灣國家衛生研究院(National Health Research Institutes, Taiwan)統籌。

總結

目前沒有足夠的證據可以支持民眾應停止攝取富含歐米加3脂類來源的物質，但需要進一步高品質的試驗來確認原先認為對心血管疾病風險較

目前已有3500多篇中文摘要正式上線

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Intervention Review

Omega 3 fatty acids for prevention and treatment of cardiovascular disease

Lee Hooper^{1,*}, Roger A Harrison², Carolyn D Summerbell³, Helen Moore³, Helen V Worthington⁴, Andrew Ness⁵, Nigel Capps⁵, George Davey Smith⁷, Rudolph Riemersma⁸, Shah Ebrahim⁹

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Abstract

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Background

It has been suggested that omega 3 (W3, n-3 or omega-3) fats from oily fish and plants are beneficial to health.

Objectives

To assess whether dietary or supplemental omega 3 fatty acids alter total mortality, cardiovascular events or cancers using both RCT and cohort studies.

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Intervention Review

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Background

Since the suggestion by Bang (Bang 1972; Bang 1976), that the abundance of omega 3 fatty acids in the diet of the Greenland Eskimos was responsible for their low mortality from ischaemic heart disease, there has been considerable interest in the protective role and possible mechanism of action of marine unsaturated fats. This interest has spread to encompass plant oils rich in omega 3 fatty acids, including flax (linseed) and rapeseed (canola) oils (Nettleton 1991), their derivatives (e.g. margarines) and purslane leaves (Simopoulos 1992). Omega 3 fats (also called Ω3 or n-3 fats) from fish sources include eicosapentaenoic acid (EPA or 20:5), docosahexaenoic acid (DHA, 22:6) and docosapentaenoic acid (DPA, 22:5), and are the longer chain omega 3 fats.

Alpha-linolenic acid (ALA or α-linolenic, 18:3) is the shorter chain omega 3 fat from plants (also found in grass fed meats), which is partially converted to longer chain omega 3 fatty acids within our bodies. There is some debate about the effectiveness of this conversion, which may differ depending on other dietary factors (Li 1999; Pawlosky 2001) and whether assessed over short or long term. For this reason the effectiveness of ALA may differ from that of the longer chain omega 3 fats.

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DATA AND ANALYSES

Comparison 1. Steroids versus control

Outcome or subgroup title	No. of studies	No. of participants	Statistical method	Effect size
1 28-day all-cause mortality	20	2384	Risk Ratio (M-H, Random, 95% CI)	0.87 [0.74, 1.01]
1.1 Randomized controlled trials	17	2138	Risk Ratio (M-H, Random, 95% CI)	0.84 [0.71, 1.00]
1.2 Quasi randomized controlled trials	3	246	Risk Ratio (M-H, Random, 95% CI)	1.05 [0.69, 1.58]
2 all-cause mortality by subgroup based on mortality date	17			
2.1 Studies reporting 28-day mortality	14			
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APPENDICES

Appendix 1. Search strategy for CENTRAL, The Cochrane Library

- #1 MeSH descriptor sepsis explode all trees
- #2 MeSH descriptor shock, septic explode all trees
- #3 steroid* in All Text
- #4 (sepsis in All Text or (septic in All Text and shock in All Text))
- #5 (#1 or #2 or #3 or #4)
- #6 MeSH descriptor Adrenal Cortex Hormones explode all trees
- #7 corticosteroid* in All Text
- #8 (#6 or #7)
- #9 (#5 and #8)

Appendix 2. Search strategy for Medline (Ovid SP)

- 1. exp Sepsis/
- 2. exp Shock, Septic/
- 3. (sepsis or septic shock).mp.
- 4. 1 or 2 or 3
- 5. exp Adrenal Cortex Hormones/
- 6. (corticosteroid* or steroid*).mp.
- 7. 6 or 5
- 8. 4 and 7
- 9. ((randomized controlled trial or controlled clinical trial)pt. or randomized ab. or placebo.ab. or clinical trials as topic.sh. or randomly.ab. or trial.ti.) not (animals n.
- 10. 8 and 9

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Almallah YZ, O'Hanrahan T, Richardson

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該篇Review
被引用的狀況

MeSH search

※請善用此檢索方式

MeSH Search

美國國家醫學圖書館 (National Library of Medicine ; 簡稱NLM) 於1954年首次正式出版標題表 *Subject Heading Authority List* 1960年改由 *Index Medicus* 發行，全新的醫學標題表 (Medical Subject Headings ; 簡稱 MeSH) 也隨之出版。

MeSH是NLM用以分析生物醫學方面之期刊文獻、圖書、視聽資料、電子資源等資源的主題內容之控制語彙表，亦為NLM出版之 MEDLINE/PubMED 資料庫主題檢索的索引典

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The screenshot shows the Cochrane Library website with the MeSH Search interface. Annotations are provided for key elements:

- 1**: Points to the search input field containing "Heart Failure".
- 2**: Points to the "Look up" button.
- 3**: Points to the "Select" button in the MeSH tree.

Annotations and their content:

- 輸入欲查詢的關鍵字 例如:心臟衰竭** (Enter the key words you want to search for, e.g., heart failure)
- 點選 Look up** (Click Look up)
- 顯示在各個子資料庫中所查詢到的筆數，以Cochrane Review來說，查詢到了26筆“心臟衰竭”的相關資料** (Display the number of records found in each sub-database. For Cochrane Review, 26 records related to "heart failure" were found)

The interface shows search results for "Heart Failure" with a table of results:

Search results	Count
Cochrane Reviews	26
Other Reviews	416
Trials	4964
Methods Studies	0
Technology Assessments	149
Economic Evaluations	212
Cochrane Groups	0

The MeSH tree shows the following structure:

- MeSH term - Heart Failure
 - Explode all trees
 - Single MeSH term (unexploded)
 - Explode selected trees
- Tree Number 1
 - Cardiovascular Diseases [+5]
 - Heart Diseases [+24]
 - Arrhythmias, Cardiac [+14]
 - Carcinoid Heart Disease
 - Cardiac Output, Low
 - Cardiac Tamponade
 - Endocarditis [+2]
 - Heart Aneurysm
 - Heart Arrest [+2]
 - Heart Defects, Congenital [+26]
 - Cardiomegaly [+3]
 - Heart Failure [+5]
 - Dyspnea, Paroxysmal

56

如果您想要查詢的其實是治療心臟衰竭的藥物資料，就請在右邊的格子中選擇Drug therapy

右下方就會顯示在各個子資料庫中所查詢到的筆數，以Cochrane Review來說，查詢到了14筆關於治療“心臟衰竭”的藥物資料

就會直接跳轉到查詢的結果，以Cochrane Review來說，頁面中列出所查詢到的14筆title，是關於治療“心臟衰竭”的可用藥物資料(紅色框框)，可做為醫療人員使用的參考

如果您想查詢的是“心臟衰竭的併發症”相關資料，就在右邊的格子中選擇Complication

Log In / Register

Search Search Manager Medical Terms (MeSH) Browse

Heart Failure

Search Help

Definition

Heart Failure - A heterogeneous condition in which the heart is unable to meet the metabolic need of the body. Heart failure can be caused by structural or functional abnormalities (DYSFUNCTION), or a sudden overload beyond its capacity. Chronic heart failure is a long-term condition which results from sudden insult to cardiac function, such as MYOCARDIAL INFARCTION.

Thesaurus matches

Exact Term Match

Heart Failure

Phrase Matches

Heart Failure

Synonyms: Cardiac Failure; Heart Failure; Heart Failure, Right-Sided; Heart Failure, Right-Sided; Right-Sided Heart Failure; Right-Sided Heart Failure; Myocardial Failure, Congestive Heart Failure; Heart Failure, Congestive; Heart Failure, Left-Sided; Heart Failure, Left-Sided; Left-Sided Heart Failure; Left-Sided Heart Failure.

MeSH terms

Blood - BL

Cerebrospinal fluid - CF

Chemically induced - CI

Classification - CL

Complications - CO

Congenital - CN

Diagnosis - DI

MeSH tree

Explosive all trees

Single MeSH term (unexploded)

Explosive selected trees

Select

685 results for your search on MeSH descriptor: [Heart Failure] Mode all trees Qualifier(s) Complications

search Add to Search Manager

Cochrane Reviews 4

Other Reviews 34

Trials 640

Methods Studies 0

Technology Assessments 0

Economic Evaluations 7

Cochrane Groups 0

View Results

右下方就會顯示在各子庫中所查詢到的筆數，以Cochrane Review來說，查詢到了4筆“心臟衰竭的併發症”資料

點選View Results即可觀看查詢結果

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使用MeSH的好處

- 可以協助找出**精確**符合主題的資料
- 無須煩惱因縮寫、別名而遺漏相關文獻
- 使用**同義詞**也可準確查詢出相關文獻資料
- 使用MeSH Tree
 - 可以依需求擴展或縮小查詢範圍
 - 了解各醫學標題的橫向與縱向關聯
 - **MeSH Tree**可顯示標題間分類的層級關係。最上層顯示者，表示該標題詞所代表的主題意涵較廣（generic），而愈下層顯示者，則表示所代表的主題意涵愈為特異（specific）。

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Search

Search Manager

Medical Terms (MeSH)

Browse

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Search Trials (CENTRAL)

Methods Studies (CMR)

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Search title, abstract, keyword

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Browse by Cochrane Review Group

Browse the Cochrane Database of Systematic Reviews by Cochrane Review Group...

- Acute Respiratory Infections Group
- Airways Group
- Anaesthesia Group
- Back Group
- Cystic Fibrosis and Genetic Disorders Group
- Dementia and Cognitive Improvement Group
- Depression, Anxiety and Neurosis Group
- Developmental, Psychosocial and Learning Problems Group
- Drugs and Alcohol Group
- Ear, Nose and Throat Disorders Group
- Inflammatory Bowel Disease and Functional Bowel Disorders Group
- Injuries Group
- Lung Cancer Group
- Menstrual Disorders and Subfertility Group
- Metabolic and Endocrine Disorders Group
- Methodology Review Group
- Movement Disorders Group
- Multiple Sclerosis and Rare Diseases of the Central Nervous System Group
- Musculoskeletal Group
- Neonatal Group
- Neuromuscular Disease Group
- Occupational Safety and Health Group
- Oral Health Group

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群組瀏覽閱讀全文

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Search Manager

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1

Search

Search Manager

Medical Terms (MeSH)

Browse

Title, Abstract, Keywords

AND Title, Abstract, Keywords

AND Title, Abstract, Keywords

Search Limits Search Help (Word variations have been searched)

Clear

"Child"


"antibiotic"

"acute otitis media"

Go Save

Add to Search Manager

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Search

Search Manager

Medical Terms (MeSH)

Browse

acute otitis media
To search an exact word(s) use quotation marks, e.g. "hospital" finds hospital; hospital (no quotation marks) finds hospital and hospitals; pay finds paid, pays, paying, payed)

Add to top

−

+

#1

"Child""ti,ab,kw and "antibiotic""ti,ab,kw and "acute otitis media"ti,ab,kw (Word variations have been searched)

S

238

−

Edit

+

#2

M

I

N/A

Clear Strategy

Search Help

Save existing strategy

Strategy Name

acute otitis media

Comments

Save as new strategy

New strategy name

Save as New Strategy


給此策略一個名字

Save之後，在下方的Library中可以看到儲存結果

▼ Strategy Library (6)

	Name	Last saved	Alerts
1	acute otitis media	24/02/2015 06:09	<input type="checkbox"/>
2	asthma demo - test	20/08/2014 00:39	<input type="checkbox"/>

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Search

Search Manager

Medical Terms (MeSH)

Browse

Anesthesia
To search an exact word(s) use quotation marks, e.g. "hospital" finds hospital; hospital (no quotation marks) finds hospital and hospitals; pay finds paid, pays, paying, payed)

Add to top

−

+

#1

Anesthesia and bed restti,ab,kw and headache:ti,ab,kw (Word variations have been searched)

S

23

−

+

#2

M

I

N/A

Clear Strategy

View tips for Search Manager

Save existing strategy

Strategy Name

Anesthesia

Comments

Save as new strategy

New strategy name

Save as New Strategy

Insert a MeSH term into this row

▼ Strategy Library (5)

	Name	Last saved
1	Anesthesia	24/10/2012 06:45
2	cancer	15/10/2012 05:45
3	sore throat	15/10/2012 05:42
4	20120402	03/04/2012 10:55
5	0327	27/03/2012 17:12

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Search

Search Manager

Medical Terms (MeSH)

Browse

Enter MeSH term

Anesthesia, General

Select MeSH qualifiers

Select subheadings / qualifiers

Lookup

View MeSH search tips

Definition

No definition

Thesaurus matches

Exact Term Match

Anesthesia, General

Phrase Matches

Anesthesia, General

Synonyms: Anesthesias, General; General Anesthesia; General Anesthesias.

Any Word Match

Anesthesia, General

Synonyms: Anesthesias, General; General Anesthesia; General Anesthesias.

MeSH trees

MeSH term - Anesthesia, General

Explode all trees

Single MeSH term (unexploded)

Explode selected trees

Use the checkbox next to each tree to explode selected trees

Tree Number 1

Anesthesia and Analgesia [+9]

Anesthesia [+9]

Anesthesia, Conduction [+4]

Anesthesia, Dental [+1]

Select

Search results

There are 5191 results for your search on

MeSH descriptor: [Anesthesia, General]

explode all trees

Update Search Manager

Cochrane Reviews

16

Other Reviews

45

Trials

5036

Methods Studies

0

Technology Assessments

10

Economic Evaluations

84

Cochrane Groups

0

66

Search

Search Manager

Medical Terms (MeSH)

Browse

Anesthesia, General

To search an exact word(s) use quotation marks, e.g. "hospital" finds hospital; hospital (no quotation marks) finds hospital and hospitals; pay finds paid, pays, paying, payed)

Add to top

#1

Anesthesia and bed rest;ti,ab,kw and headache;ti,ab,kw (Word variations have been searched)

S

23

#2

MeSH descriptor: [Anesthesia, General] explode all trees

M

5191

#3

#1 and #2

1

#4

N/A

Clear Strategy

View tips for Search Manager

Save existing strategy

Strategy Name

Anesthesia

Save Strategy

Comments

Save as new strategy

New strategy name

Anesthesia, General

Save as New Strategy

▼ Strategy Library (6)

Name

Last saved

1

Anesthesia, General

24/10/2012 06:53

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登入後可以使用的 個人化功能

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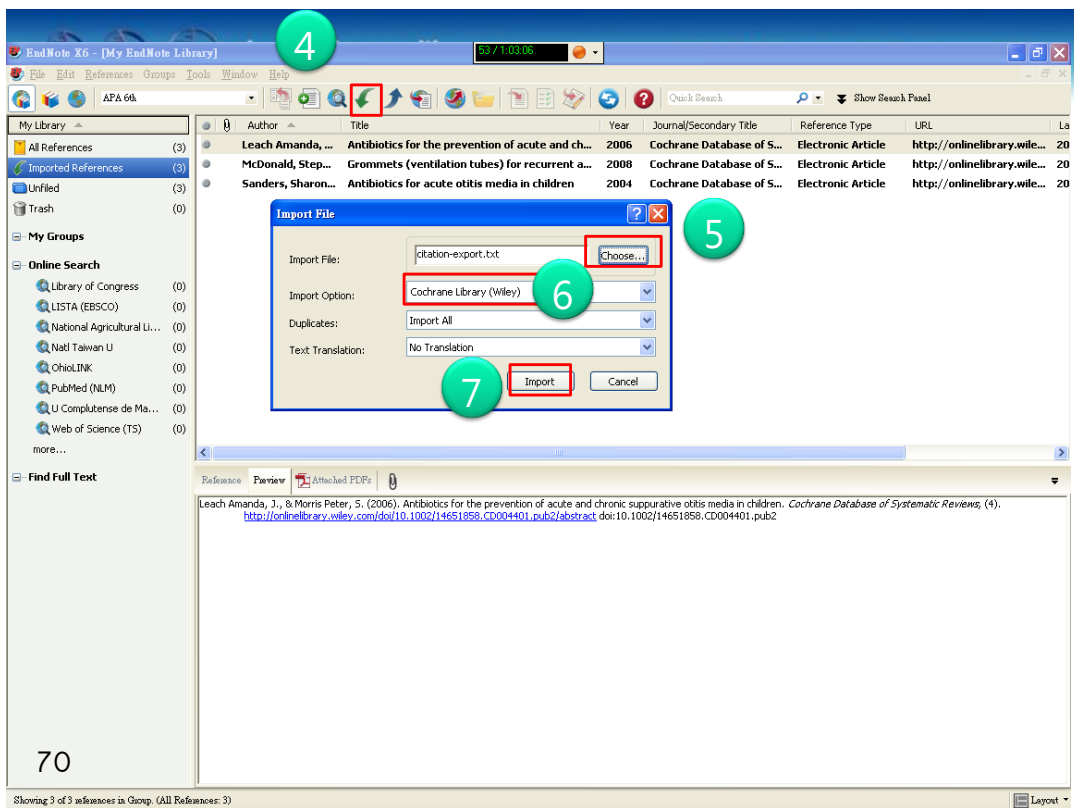
The screenshot displays the Cochrane Library Search Manager interface. At the top, there are tabs for Search, Search Manager, Medical Terms (MeSH), and Browse. The Search tab is active, showing a search for 'children' AND 'antibiotic' AND 'acute otitis media'. A green box labeled '1. Export Citation 匯出書目' points to the 'Export selected' link in the search results. The search results show 11 results from 7481 records. A red box labeled '1' highlights the 'Export selected' link. A red arrow points from the 'Export selected' link to a dialog box titled 'Choose your export options'. This dialog box has a green circle labeled '2' and shows 'Export type: PC' and 'File type: Citation And Abstract'. A red box labeled '2' highlights the 'Export Citation' button. A red arrow points from the 'Export Citation' button to a file download dialog box. This dialog box has a green circle labeled '3' and shows the filename 'citation-export.txt' and the file type '文字文件'. A red box labeled '3' highlights the '儲存(S)' (Save) button.

1. Export Citation
匯出書目

2

3

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Home > Evidence Based Medicine > Evidence-Based Medicine > The Cochrane Library > Abstract

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- Other Reviews
- Trials
- Methods Studies

Intervention Review

Antibiotics for sore throat

Anneliese Spinks², Paul P Glasziou³, Chris B Del Mar^{1*}

Database Title: The Cochrane Library

Editorial Group: Cochrane Acute Respiratory Infections Group

Published Online: 17 MAR 2010

Assessed as up-to-date: 17 MAY 2011

DOI: 10.1002/14651858.CD000023.pub3

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☐ **Antibiotics for sore throat** **4**

Intervention Review
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Anneliese Spinks, Paul P Glasziou and Chris B Del Mar
Published Online : 17 MAR 2010, DOI: 10.1002/14651858.CD000023.pub3
Abstract | Full Article (HTML) | PDF(666K) | References

☐ **Antibiotics for acute otitis media in children**

Intervention Review
THE COCHRANE LIBRARY
Sharon Sanders, Paul P Glasziou, Chris B Del Mar and Maroeska M Rovers
Published Online : 20 JAN 2010, DOI: 10.1002/14651858.CD000219.pub2
Abstract | Full Article (HTML) | PDF(420K) | References

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3.Saved Searches 儲存檢索策略

Search Search Manager Medical Terms (MeSH) Browse

Title, Abstract, Keywords children
AND Title, Abstract, Keywords antibiotic
AND Title, Abstract, Keywords "acute otitis media"

Go Save

Add to Search Manager

View search tips (Word variations have been searched)

▼ Saved Searches (13)

Name	Last saved	Alerts
1 children in title abstract keywords and antibiotic in title abstract keywords and "acute otitis media" in title abstract keywords (Word variations have been searched)	26/12/2012 06:13	<input checked="" type="checkbox"/>

Load this saved search
將此檢索策略顯示出來

Export this saved search
可將此檢索策略分享給他人

20121226_children_in_ti_5597274694341974675[1].txt - 記事本

檔案(F) 編輯(E) 格式(O) 檢視(V) 說明(H)

Search Name: children in title abstract keywords and antibiotic in title abstract keywords and "acute otitis media" in title abstract keywords (Word variations have been searched)
Last Saved: 26/12/2012 06:13:23.688

ID Search
#1 children:ti,ab,kw and antibiotic:ti,ab,kw and "acute otitis media":ti,ab,kw (Word variations have been searched)

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也可以從此處查看 到儲存的檢索策略

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Saved Searches (0)
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其它子庫的頁面顯示

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Other Reviews

There are 8 results from 18306 records for your search on 'children in title abstract keywords and antibiotic in title abstract keywords and "acute otitis media" in title abstract keywords in Other Reviews'

Sort by: Relevance

Select all | Export all | Export selected

- ☐ Cochrane Reviews (11)
- ☐ All
- ☐ Review
- ☐ Protocol
- ☒ Other Reviews (8)
- ☐ Trials (186)
- ☐ Methods Studies (11)
- ☐ Technology Assessments (0)
- ☐ Economic Evaluations (4)
- ☐ Cochrane Groups (0)

Me Methodology
Dg Diagnostic
Or Overview
Cc Conclusions changed
Na New search
Mc Major change
Up Update
Wd Withdrawn
Cm Comment

- ☐ Are antibiotics indicated as initial treatment for children with acute otitis media : a meta- analysis (Brief record)
Centre for Reviews and Dissemination
Original Author(s): DellMar C , Glasziou P and Hayem M
BMJ, 1997, 314:1526
- ☐ Evidence assessment of management of acute otitis media - I. The role of antibiotics in treatment of uncomplicated acute otitis media (Structured abstract)
Centre for Reviews and Dissemination
Original Author(s): Takata G S , Chan L S , Shekelle P , Morton S C , Mason W and Marcy S M
Pediatrics, 2001, 108(2), 239-247
- ☐ Efficacy of short course (<4 days) of antibiotics for treatment of acute otitis media in children : a systematic review of randomized controlled trials (Structured abstract)
Centre for Reviews and Dissemination
Original Author(s): Gulani A , Sachdev HP and Qazi SA
Indian Pediatrics, 2010, 47(1), 74-87
- ☐ Antibiotic therapy to prevent the development of asymptomatic middle ear effusion in children with acute otitis media : a meta- analysis of individual patient data (Structured abstract)
Centre for Reviews and Dissemination
Original Author(s): Koopman L , Hoes AW , Glasziou PP , Appelman CL , Burke P , McCormick DP , Damoiseaux RA , LeSaux N and Rovers MM
Archives of Otolaryngology Head and Neck Surgery, 2008, 134(2), 128-132
- ☐ Antibiotics for acute otitis media : a meta- analysis with individual patient data (Structured abstract)
Centre for Reviews and Dissemination
Original Author(s): Rovers M M , Glasziou P , Appelman C L , Burke P , McCormick D P , Damoiseaux R A , Gaboury I , Little P

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Title, Abstract, Keywords

Search > Medical Terms (MeSH) >
Search Manager >

COCHRANE REVIEWS

By Topic New Reviews Updated Reviews A-Z By Review Group

OTHER RESOURCES

Other Reviews Trials Methods Studies Technology Assessments Economic Evaluations

Evidence assessment of management of acute otitis media - I. The role of antibiotics in treatment of uncomplicated acute otitis media (Structured abstract)

Centre for Reviews and Dissemination

Database of Abstracts of Reviews of Effects 2012 Issue 3
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Original article: Takata G S, Chan L S, Shekelle P, Morton S C, Mason W, Marcy S M. Evidence assessment of management of acute otitis media - I. The role of antibiotics in treatment of uncomplicated acute otitis media. *Pediatrics* 2001;108(2):239-247. [Links](#)

Authors' objectives

To synthesise the literature on the natural history of acute otitis media (AOM), the effectiveness of antibiotic treatment in uncomplicated AOM, and the relative effectiveness of specific antibiotic regimens.

Searching

The following sources were searched: MEDLINE from 1966 to March 1999; the Cochrane Library (to March 1999); HealthSTAR from 1975 to March 1999; International Pharmaceutical Abstracts from 1970 to March 1999; CINAHL from 1982 to March 1999; BIOSIS Previews from 1970 to March 1999; and EMBASE from 1980 to March 1999. Grey literature was identified by reviewing

Evidence assessment of management of acute otitis media - I. The role of antibiotics in treatment of uncomplicated acute otitis media (Structured abstract)

- Authors' objectives
- Searching
- Study selection: study designs
- Study selection: specific interventions
- Study selection: participants
- Study selection: outcomes
- Study selection: how were decisions on the relevance of primary studies made?
- Validity assessment

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Trials

Cochrane Reviews (11)

- All
- Review
- Protocol

Other Reviews (8)

- Trials (186)

Methods Studies (11)

Technology Assessments (0)

Economic Evaluations (4)

Cochrane Groups (0)

All

Current Issue

- Me Methodology
- Dg Diagnostic
- Ov Overview
- Cc Conclusions changed
- Ns New search
- Mc Major change
- Up Update
- Wd Withdrawn
- Cm Comment

There are 186 results from 675927 records for your search on 'children in title abstract keywords and antibiotic in title abstract keywords and "acute otitis media" in title abstract keywords in Trials


Pages 1 - 25 | 26 - 50 | 51 - 75 | 76 - 100 | 101 - 125 | Next

Sort by Relevance

Select all | Export all | Export selected

- [Double-blind comparative study of tebibenem pivoxil and high-dose cefditoren pivoxil in children with acute otitis media (phase III)]
Suzuki K, Baba S, Totsuka K, Hori S, Ubukata K, Nakashima M and Sunakawa K
Japanese Journal of Chemotherapy, 2009, 57(Suppl 1), 167
- [Usefulness of fenspiride in the treatment of acute otitis media in children].
Zielnik-Jurkiewicz B and Jurkiewicz D
Polski merkuriusz lekarski : organ Polskiego Towarzystwa Lekarskiego, 2005, 18(108), 624
- Outcome-oriented managed care comparing efficacies of cefaclor and amoxicillin in acute and recurrent acute otitis media
Perry B P, Zieno S A, Yonkers A J and Moore G F
Ear Nose Throat J, 1995, 74(12), 840
- Change in nasopharyngeal carriage of Streptococcus pneumoniae resulting from antibiotic therapy for acute otitis media in children.
Cohen R, Bingen E, Varon E, de LaRocque F, Brahimi N, Levy C, Boucherat M, Langue J and Geslin P
The Pediatric infectious disease journal, 1997, 16(6), 555
- Parent satisfaction OK with no treatment of otitis.
Anonymous
Journal of Family Practice, 2005, 54(9), 754
- Recurrence up to 3.5 years after antibiotic treatment of acute otitis media in very young Dutch children: survey of trial participants.
Bezáková N, Damoiseaux RA, Hoes AW, Schilder AG and Rovers MM
BMJ (Clinical research ed.), 2009, 338, b2525

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Trials (書目資料)

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Title, Abstract, Keywords

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COCHRANE REVIEWS

By Topic
New Reviews
Updated Reviews
A-Z
By Review Group


OTHER RESOURCES

Other Reviews
Trials
Methods Studies
Technology Assessments
Economic Evaluations

The Cochrane Central Register of Controlled Trials (CENTRAL) 2011 Issue 4
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Title	Outcome-oriented managed care comparing efficacies of cefaclor and amoxicillin in acute and recurrent acute otitis media Links Export
Author(s)	Perry B P, Zieno S A, Yonkers A J, Moore G F
Source	Ear Nose Throat J
Date of Publication	1995
Volume	74
Issue	12
Pages	840-4
Abstract	A study utilizing outcome-oriented cure is employed to show the effectiveness of a given medical treatment. A specific patient population is studied in order to determine the most effective treatment for a common clinical disorder. A total of 201 children were retrospectively studied to evaluate the efficacy and side effects of amoxicillin and cefaclor in the treatment of acute otitis media and recurrent acute otitis media. There were 456 episodes of acute otitis media; 245 episodes were treated with amoxicillin with an efficacy of 91%, while 211 episodes were treated with cefaclor with an efficacy of 97%. The dosage of 40 mg/kg/day, divided in three equal doses, was employed for both antibiotics in the treatment of acute otitis media, while half of this amount was given once daily for the chemoprophylaxis of recurrent acute otitis media. In the 87 courses of chemoprophylaxis with cefaclor for recurrent otitis media, the efficacy was found to be 53%, while amoxicillin was found to be effective in 30% of the 33 patients studied. There were fewer side effects noted in the cefaclor group than in the amoxicillin group (4% vs. 12%). Both drugs caused diarrhea, while cefaclor also caused a mild maculopapular rash in two patients (1.67%). While amoxicillin remains the drug of choice for acute otitis media (AOM), this study suggests that cefaclor may be a better selection in the chemoprophylaxis of recurrent acute otitis media.
Review Group keywords	Acute Disease; Adolescence; Amoxicillin; Administration & Dosage; Adverse Effects; *Therapeutic Use; Antibiotics; Administration & Dosage; Adverse Effects; *Therapeutic Use; Cefaclor; Administration & Dosage; Adverse Effects; *Therapeutic Use; Child; Child, Preschool; Comparative Study; Ear, Middle; Physiopathology; Surgery; Human; Infant; Infant, Newborn; Middle Ear Ventilation; Otitis Media; *Drug Therapy; Physiopathology; Surgery; Recurrence; Retrospective Studies

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