

文獻搜尋一次到位— PubMed

長庚紀念醫院基隆 / 情人湖圖書館

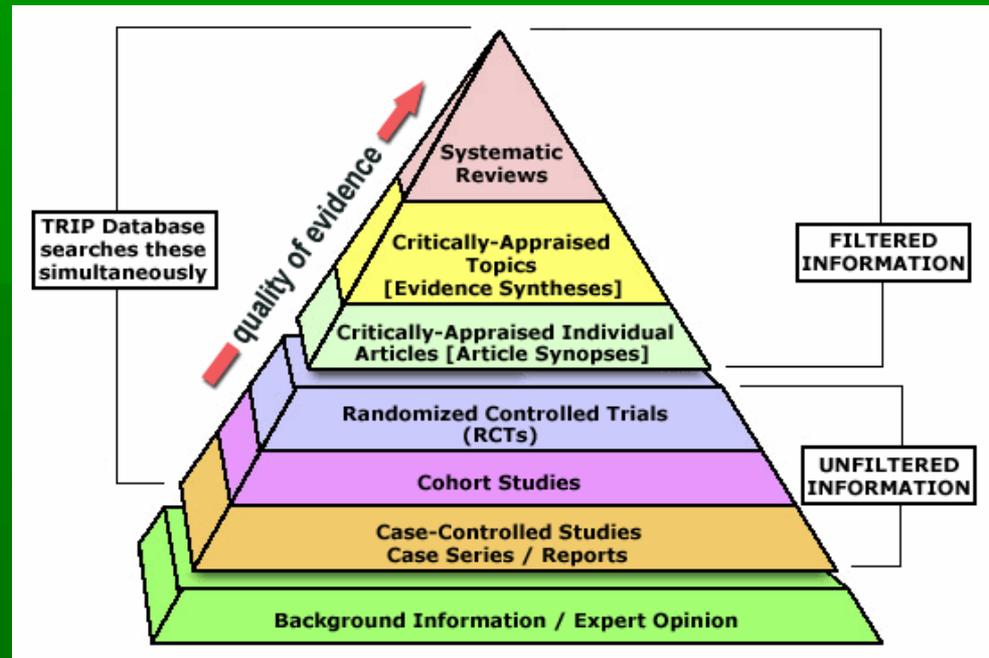
主講人：施昭寧

101.04.20

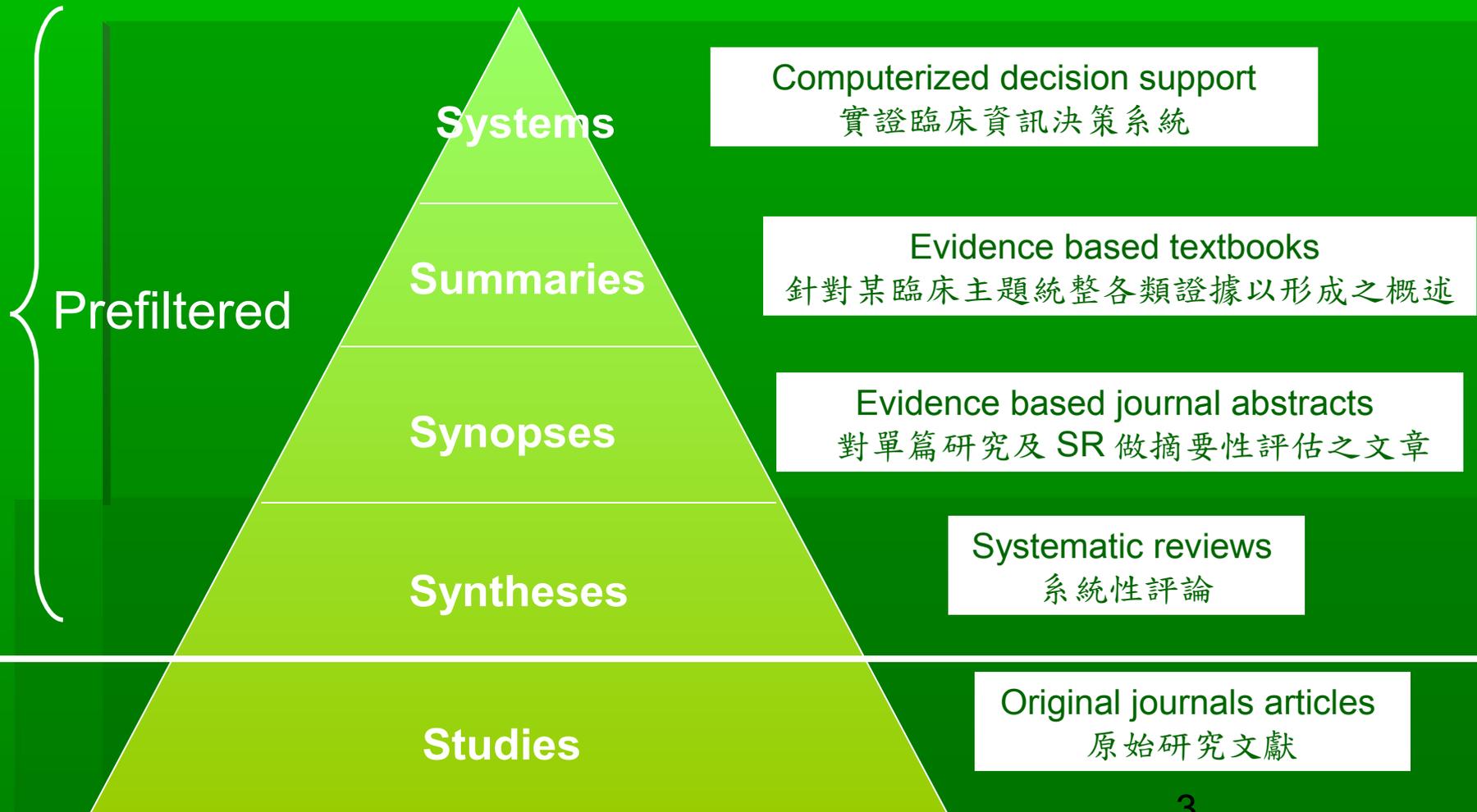
您必須先知道

- 將問題 (敘述性) 選出關鍵字 (PICO)

- 搜尋金字塔

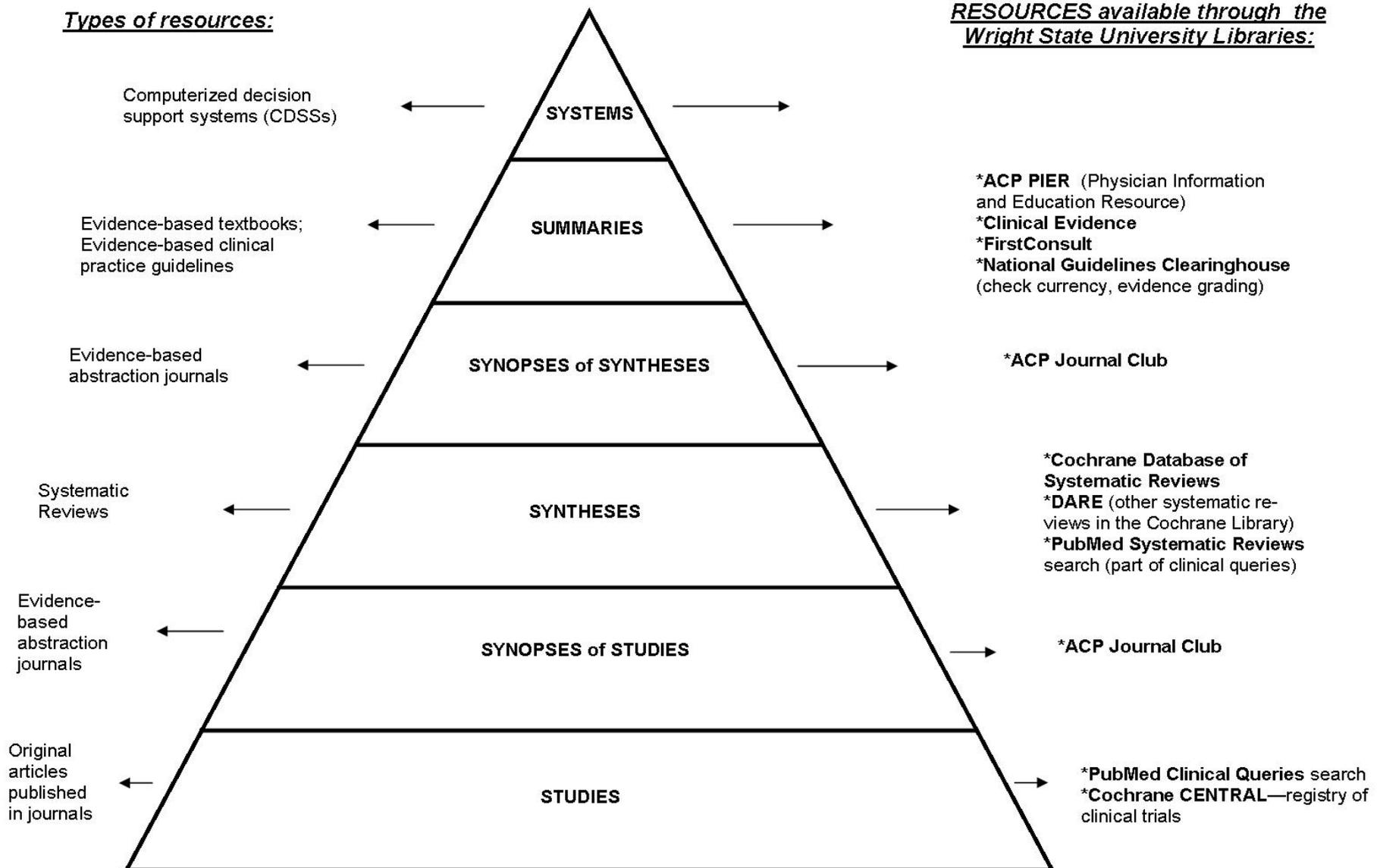


The “5S” levels of organization of evidence from health care research – by R Brain Haynes, 2006



"6S" Hierarchy of Preappraised Evidence

From: Haynes et al: ACP J Club, 2009 Sep 15; 151:JC3-2



選擇資料庫

■ 優質或二級研究證據 (已經整理的文獻)

■ 1.System 系統

■ 2.Summaries 摘要 / 概述

- (1)UpToDate
- (2)MD Consult & First Consult / Nursing Consult
- (3)ACP Pier & ACP Medicine
- (4)DynaMed
- (5)Best Practice @ BMJ

■ 3.Synopse 精要

- (1)ACP Journal Club
- (2)Evidence-based Medicine
- (3)Evidence based – xxx 的期刊

■ 4.Syntheses 統整

- (1)The Cochrane Library –CDSR & Other Reviews
- (2)PubMed-Clinical Queries 之 systematic review

■ 原始或一級研究證據 (未經整理的文獻)

■ 5.Studies 研究

- (1)The Cochrane Library- Clinical trials
- (2)PubMed- Clinical Queries 之 Clinical study search
- (3)Medline (善用 more limit 之功能)

搜尋流程 (自二級研究證據找起)

PubMed 簡介

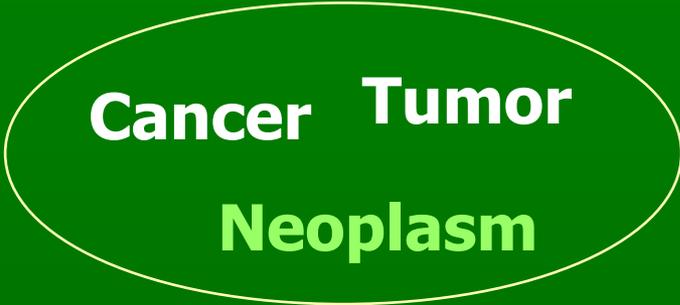
- PubMed 為美國國家醫學圖書館的美國國家生物技術資訊中心 (簡稱 NCBI) 所研發的生物醫學相關文獻的 Web-based 檢索系統。
- 收錄生命科學相關文獻為主，並包括資訊科學、航太科學等其他學科文獻。
- 收錄年代自 1950 年起，並包含即將出版的醫學文獻。

基本檢索

- Keywords or subject
 - MeSH Term (醫學標題表)
 - Detail
- 布林邏輯 (Boolean logics)
 - AND 、 OR 、 NOT
- 搜尋技巧
 - 利用 () 包住相近詞彙：
 - Tamiflu AND (H1N1 OR Swine flu)
 - 善用 “ ” 搜尋詞組：
 - H1N1 OR “Swine flu”
 - Truncation (切截)
- Filter

MeSH Term (醫學標題表)

- MeSH (Medical Subject Headings) 是美國國家醫學圖書館出版
- 針對生物醫學文獻所整理出的主題詞彙表
- 輸入關鍵字時，能比對到醫學主題詞，以找到與主題相關的文章



Cancer Tumor
Neoplasm

Truncation (切截)

- 或譯 截斷字
- 代表符號： *
- 隨機的 (random*)
 - 隨機的 (random) 、隨機地 (randomly) 、隨機化的 (randomized 和 randomised)
- 不比對 MeSH Term

基本功

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National Institutes of Health

PubMed Search

輸入關鍵字 → Search

- tamiflu
- tamiflu side
- tamiflu side effects
- tamiflu resistance
- h1n1 tamiflu
- tamiflu h1n1
- influenza tamiflu
- tamiflu pregnancy
- oseltamivir tamiflu

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NCBI Handbook	DNA & RNA	BLAST	Map Viewer	NCBI Newsletter

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National Institutes of Health

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- [Therapy / Broad \(1327\)](#)
- [Prognosis / Narrow \(86\)](#)
- [Etiology / Narrow \(112\)](#)

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Related searches

- tamiflu side effects
- influenza tamiflu
- tamiflu children
- tamiflu cochrane
- tamiflu pregnancy

[The imperative to share clinical study reports: recommendations from the tamiflu experience.](#)

1. Doshi P, Jefferson T, Del Mar C.
PLoS Med. 2012 Apr;9(4):e1001201. Epub 2012 Apr 10.
PMID: 22505850 [PubMed - in process] [Free Article](#)
[Related citations](#)

[Development of acute ischemic stroke in a patient with acute respiratory distress syndrome \(ARDS\) resulting from H1N1 pneumonia.](#)

2. Burad J, Bhakta P, George J, Kiruchennan S.
Acta Anaesthesiol Taiwan. 2012 Mar;50(1):41-5. Epub 2012 Mar 27.
PMID: 22500914 [PubMed - in process]
[Related citations](#)

[Survey of Japanese infants younger than 3 months who were treated with oseltamivir for influenza: Safety of oseltamivir treatment.](#)

3. Morioka I, Nonoyama S, Tanaka-Taya K, Ihara T, Sugaya N, Ueta I, Kumagai T, Okada K, Hosoya M, Okabe N, Morishima T.
Scand J Infect Dis. 2012 Apr 12. [Epub ahead of print]
PMID: 22497443 [PubMed - as supplied by publisher]
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[The clinical effectiveness of oseltamivir in mild cases of pandemic influenza A H1N1 2009 infection.](#)

4. Lee JS, Park SY, Kim JS, You JY, Ju YS, Eom JS.
Scand J Infect Dis. 2012 Apr 12. [Epub ahead of print]
PMID: 22497285 [PubMed - as supplied by publisher]
[Related citations](#)

[Emergency Use Authorization for Intravenous Peramivir: Evaluation of Safety in the Treatment of Hospitalized Patients Infected with 2009 H1N1 Influenza A Virus.](#)

5. Patients Infected with 2009 H1N1 Influenza A Virus.

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Search Details

Search details

```
"oseltamivir"[MeSH Terms]  
OR "oseltamivir"[All  
Fields] OR "tamiflu"[All  
Fields]
```

Search

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tamiflu

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Query Translation:

```
"oseltamivir"[MeSH Terms] OR "oseltamivir"[All Fields]  
OR "tamiflu"[All Fields]
```

Search

URL

Result:

[2214](#)

Translations:

tamiflu	"oseltamivir"[MeSH Terms] OR "oseltamivir"[All Fields] OR "tamiflu"[All Fields]
---------	---

Database:

PubMed

User query:

tamiflu

圖書館為您預設的 Filter

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[The imperative to share clinical study reports: recommendations from the tamiflu experience.](#)
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[The clinical effectiveness of oseltamivir in mild cases of pandemic influenza A H1N1 2009 infection.](#)
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[Related citations](#)

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5. [Patients Infected with 2009 H1N1 Influenza A Virus.](#)

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[Cochrane Syst Rev \(8\)](#)
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[Diagnosis / Narrow \(34\)](#)
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[Therapy / Broad \(1327\)](#)
[Prognosis / Narrow \(86\)](#)
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influenza tamiflu
tamiflu children
tamiflu cochrane
tamiflu pregnancy

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[Development of acute ischemic stroke in a patient with acute respiratory distress syndrome \(ARDS\) resulting from H1N1 pneumonia.](#)

Burad J, Bhakta P, George J, Kiruchennan S.
Acta Anaesthesiol Taiwan. 2012 Mar;50(1):41-5. Epub 2012 Mar 27.
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Morioka I, Nonoyama S, Tanaka-Taya K, Ihara T, Sugaya N, Ueta I, Kumagai T, Okada K, Hosoya M, Okabe N, Morishima T.
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Scand J Infect Dis. 2012 Apr 12. [Epub ahead of print]
PMID: 22497285 [PubMed - as supplied by publisher]
[Related citations](#)

[Emergency Use Authorization for Intravenous Peramivir: Evaluation of Safety in the Treatment of Hospitalized Patients Infected with 2009 H1N1 Influenza A Virus.](#)

Sorbello A, Jones SC, Carter W, Struble K, Boucher R, Truffa M, Birnkrant D, Gada N, Camilli S, Chan I, Dallas S, Scales T, Kosko R, Thompson E, Goodman J, Francis H, Dal Pan G.
Clin Infect Dis. 2012 Apr 5. [Epub ahead of print]
PMID: 22491501 [PubMed - as supplied by publisher]
[Related citations](#)

Filter your results:

- All (1077)
- [Meta-analysis \(3\)](#)
- [Randomized Controlled Trial \(8\)](#)
- [Review \(83\)](#)
- ACP J Club + EBM J (0)
- [Systematic Reviews \(19\)](#)
- [Cochrane Syst Rev \(1\)](#)
- [Costs \(3\)](#)
- [Diagnosis / Narrow \(17\)](#)
- [Therapy / Narrow \(10\)](#)
- [Therapy / Broad \(610\)](#)
- [Prognosis / Narrow \(52\)](#)
- [Etiology / Narrow \(56\)](#)

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Titles with your search terms

- Molecular modeling of swine influenza A/H1N1, Spanish H1N1: [PLoS Curr. 2011]
- The truth about Tamiflu? Neuraminidase inhibitors in pandemic A/H1N1 [BMJ. 2010]
- Insights from investigating the interaction o [Biochem Biophys Res Commun. 2009]

Search History

Builder

All Fields



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AND All Fields



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Search	Add to builder	Query	Items found	Time
X #7	Add	Search tamiflu AND H1N1 OR "Swine flu"	1633	00:01:28
X #4	Add	Search tamiflu AND H1N1 OR Swine flu	3175	00:01:18
#6	Add	Search tamiflu AND (H1N1 OR "Swine flu") AND (child* OR child)	316	23:59:08
X #5	Add	Search tamiflu AND H1N1 OR Swine flu AND child* OR child	1561430	23:58:36
#3	Add	Search tamiflu AND (H1N1 OR Swine flu) AND (child* OR child)	316	23:55:21
#2	Add	Search tamiflu AND (H1N1 OR Swine flu)	1058	23:53:02
#1	Add	Search tamiflu	2214	23:38:49

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All Fields -

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Search	Add to builder	Query	Items found	Time
#7	Add	Search tamiflu AND H1N1 OR "Swine flu"	1633	00:01:28
#4	Add	Search tamiflu AND H1N1 OR Swine flu	3175	00:01:18
#6	Add	Search tamiflu AND (H1N1 OR "Swine flu") AND (child* OR child)	316	23:59:08
#5	Add	Search tamiflu AND H1N1 OR Swine flu AND child* OR child	1561430	23:58:36
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#2	Add	Search tamiflu AND (H1N1 OR Swine flu)	1058	23:53:02
#1	Add	Search tamiflu	2214	23:38:49

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Limits

Dates

Published in the Last:

Type of Article

- Clinical Trial
- Editorial
- Letter
- Meta-Analysis
- Practice Guideline

Species

- Humans
- Animals

Subsets

- AIDS
- Bioethics
- Cancer
- Complementary Medicine
- Core clinical journals

Text Options

- Links to full text
- Links to free full text
- Abstracts

Languages

- English
- French
- German
- Italian
- Japanese

Sex

- Male
- Female

Ages

- All Infant: birth-23 months
- All Child: 0-18 years
- All Adult: 19+ years
- Newborn: birth-1 month
- Infant: 1-23 months

Search Field Tags

Field:

Reset

Search

臨床問題的種類

- **Intervention/Therapy/Prevention**：治療 / 預防的問題
 - 研究治療或預防方法的有效性
 - 例如：服用“阿斯匹林”是否可以預防中風？
- **Diagnosis**：診斷問題
 - 研究檢查方法或臨床表徵對疾病診斷的有效性
 - 例如：McBurney's sign 診斷急性盲腸炎的敏感性及特異性為何？
- **Harm/Etiology**：危害 / 病因問題
 - 研究暴露的危害或疾病的原因
 - 例如：停經婦女使用荷爾蒙治療是否會增加乳癌的機會？
- **Prognosis**：預後
 - 建立疾病預後的預測模式
 - 例如：利用 Ranson's criteria 預測急性胰臟炎死亡率為何？

最佳解決方案 (研究方法)

Current Best Evidence

	Level	Intervention	Diagnosis **	Prognosis	Aetiology ***
經由對所有隨機控制的試驗做系統性的檢視 (回顧)	I	A systematic review of level II studies	Systematic review of level II studies	A systematic review of level II studies	A systematic review of level II studies
經由至少一次適當設計的隨機控制試驗	II	A randomised controlled trial	Cross-sectional study among consecutive presenting patients	A prospective inception cohort study	A prospective cohort study
經由適當設計的非隨機試驗	III-1	A pseudo-randomised controlled trial (eg alternate allocation or some other method)	Cross-sectional study among non-consecutive patients	untreated control patients in a randomised controlled trial	A retrospective cohort study
經由適當設計的群體或個案控制分析研究	III-2	A comparative study with concurrent control group: <ul style="list-style-type: none"> • Nonrandomised experimental study • Cohort study, case-control study, interrupted time series with a control group 	Diagnostic case-control study	A retrospectively assembled cohort study	A case-control study
經由多次一系列未經控制的介入或非介入性研究，例如個案控制研究或控制組於不對等的時間序列	III-3	A comparative study without concurrent control group: <ul style="list-style-type: none"> • Historical control study • Comparison of two or more single arm studies (ie case series from two studies) • Interrupted time series without a parallel control group 			
權威人士的意見、基於臨床經驗、描述性研究或專家組成之委員會報告	IV	Case series	Case series	Case series, or cohort study of patients at different stages of disease	A cross-sectional study

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⚠ **Limits Activated:** Systematic Reviews [Change](#) | [Remove](#)

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Builder

All Fields ▾



[Show index list](#)

AND ▾

All Fields ▾



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Search	Add to builder	Query	Items found	Time
#9	Add	Search (#6) AND #8 Limits: Systematic Reviews	12	00:14:14
#8	Add	Search Limits: Systematic Reviews	172741	00:12:12
#7	Add	Search tamiflu AND H1N1 OR "Swine flu"	1633	00:01:28
#4	Add	Search tamiflu AND H1N1 OR Swine flu	3175	00:01:18
#6	Add	Search tamiflu AND (H1N1 OR "Swine flu") AND (child* OR child)	316	23:59:08
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 - 處理中的資料，每日新增
- [indexed for MEDLINE]
 - 收錄年代： mid-1960's~ present
- OldMedline
 - 收錄年代： 1950 ~ 1965
 - 無摘要、沒有提供 Mesh Term(醫學標題)

80%

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