

實證醫學



資料庫搜尋與應用

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Learning Objectives

To

學習臨床問題轉換
「PICO」要領

To

利用Search工具，有效尋找能解決問題的文獻

引言

- ❖ 臨床上面臨的問題有許多不確定性，這種不確定性是以**機率**來表示。
- ❖ 機率的估計可以來自個人以往的經驗，免不了有某種程度的**偏差**。
- ❖ 沒有任何一位臨床醫師擁有**完全足夠**的臨床經驗，可以辨識大部分慢性病之間細微又長期的**互動關係**。

EBM 五大步驟 (5A)

Asking

問問題 (可以回答的問題)

Accessing

找資料 (可獲得最好的證據資訊)

Appraising

分析判斷 (文獻效度與重要性)

Applying

臨床應用 (整合四大層面)

Auditing

評估成果 (執行EBM的效率)

PICO & SEARCH

- ❖ 1.能分辨**前景**問題與**背景**問題之不同
- ❖ 2.能掌握臨床問題之類別
- ❖ 3.能提出一個**前景**的臨床問題
- ❖ 4.能分析問題的結構
- ❖ 5.資料庫 & 基本搜尋技巧

臨床問題由何而來？

醫護

- ❖ 1.臨床發現(clinical findings)
- ❖ 2.病因(etiology)
- ❖ 3.疾病的臨床表徵(clinical manifestations of disease)
- ❖ 4.鑑別診斷及診斷檢查(DDx & diagnostic test)
- ❖ 5.治療(prevention)
- ❖ 6.預後(prognosis)
- ❖ 7.預防措施(prevention)
- ❖ 8.自我進步(self-improvement)

臨床問題由何而來？

家屬

- ❖ 1.是什麼疾病(differential diagnosis)
- ❖ 2.如何檢查(diagnostic tests)
- ❖ 3.為什麼會發生(etiology)
- ❖ 4.對我會有什麼影響(prognosis)
- ❖ 5.如何治療(therapy)
- ❖ 6.如何避免(prevention)
- ❖ 7.是否會再發生(meaning) 7

背景問題 VS 前景問題

背景問題

- 高血壓用藥有哪幾大類？
- 輻射線對人體的傷害？

前景問題

- 用正子攝影或細針穿刺，哪一種檢查對甲狀腺腫瘤有較高診斷率

實證醫學是完全著眼在解決前景問題的一套思考邏輯與方法學。

背景問題 (Background questions)

- ❖ 詢問有關疾病的一般知識性問題

A question root
(who、what、where
、when、how、why)

A disorder or
an aspect of
disorder

- ❖ Background resources :
textbook、UpToDate

前景問題 (Foreground questions)

- ❖ 詢問有關處理病人所需特別知識的問題

Ask for specific knowledge about managing patients with a disorder

- ❖ 「**PICO**」 helps to formulate the question

前景問題 (Foreground questions)

包括性質、狀況及疾病的特定性質



針對病人做何種處置
(治療、診斷、觀察)

相對的效果為何(如致病、死亡或併發症)

對上述intervention的方法是否有其他選擇
(如placebo)

前景問題的種類

- ❖ 1. 診斷 (diagnosis)
- ❖ 2. 預測 (predict)
- ❖ 3. 預防 (prevent)
- ❖ 4. 治療 (therapy)
- ❖ 5. 併發症
- ❖ 6. 預後 (prognosis)

診斷類型

- ❖ Q : Does a normal ECG rule out a serious elevation of potassium ?

<i>Population</i>	Inspected hyperkalemia
<i>Indicator</i>	Does a normal ECG
<i>Comparator</i>	
<i>Outcome</i>	Rule out hyperkalemia

預測類型

- ❖ Q：戒菸門診病人一年戒菸成功率與性別有無差異？

<i>Population</i>	門診之戒菸病人
<i>Indicator</i>	男性 (或女性)
<i>Comparator</i>	女性 (或男性)
<i>Outcome</i>	戒菸成功率

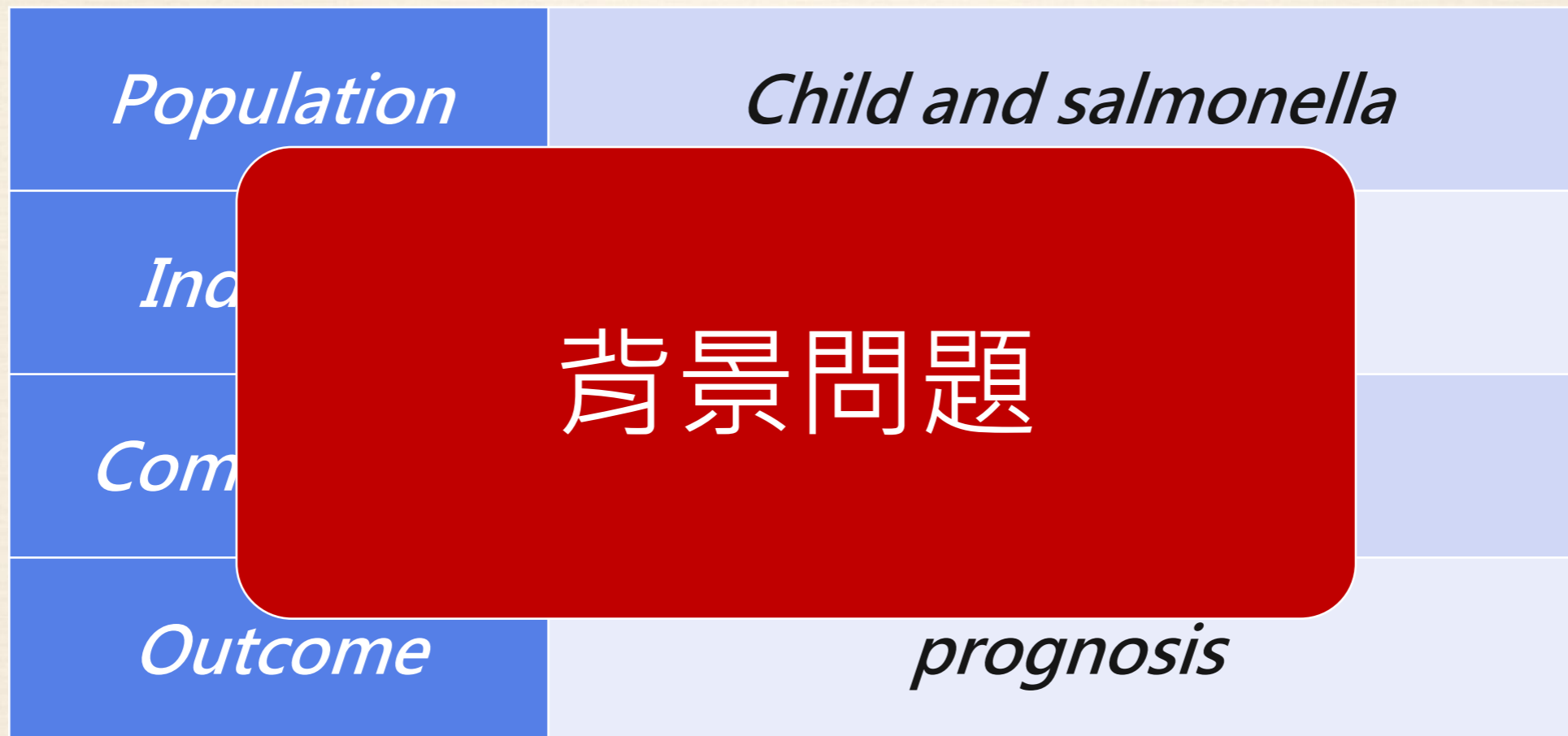
預防類型

- ❖ Q：對臍帶未脫落的嬰兒，每天用95%酒精塗抹和自然晾乾，肚臍感染率及脫落時間有無差別？

<i>Population</i>	臍帶未脫落的嬰兒
<i>Indicator</i>	每天用95%酒精塗抹臍帶
<i>Comparator</i>	自然晾乾
<i>Outcome</i>	肚臍感染率及脫落時間

預後類型

- ❖ Q : How about the prognosis of Salmonella bacteremia ?



Learning Objectives

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「PICO」要領

To

利用Search工具，有效尋
找能解決問題的文獻

如何蒐尋最佳的臨床證據

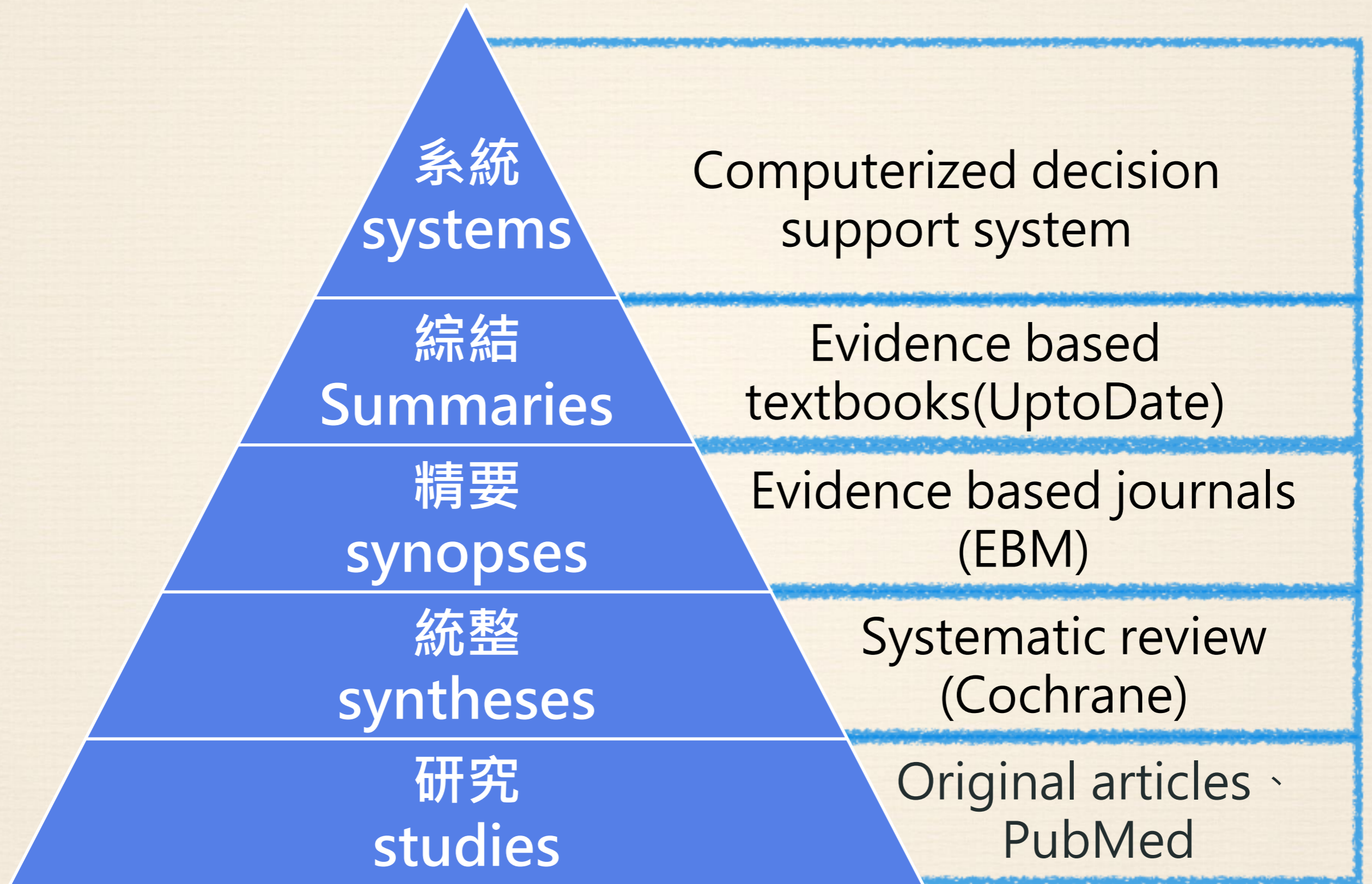
- ❖ 1.以**PICO**原則提問題
- ❖ 2.認識**資料庫**，包括EBM database、各種網路資訊等
- ❖ 3.設定**關鍵字**進行資料搜尋(依據問題)
- ❖ 4.判斷文獻**證據等級**

實證醫學資料庫查詢優點

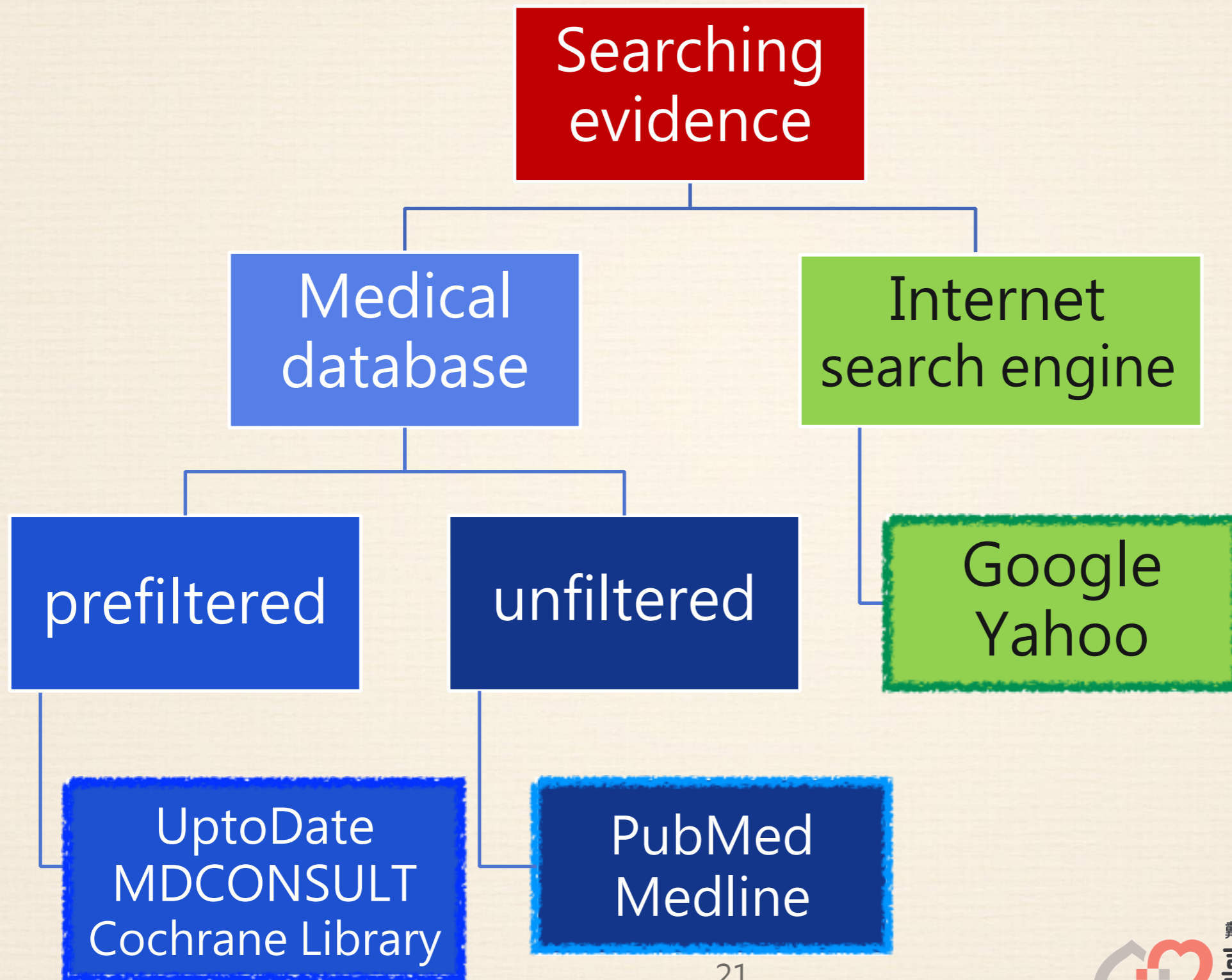
- ❖ 1.文獻資料可經由網路快速查詢，最新的醫學進展可立即見於網路，比傳統教科書更update。
- ❖ 2.以實證醫學特有的文獻格式，表達資料取得方法及重要結果，不需花很多時間便能了解其要旨。
- ❖ 3.利用這些資源，可以節省閱讀大量文獻的時間。

實證醫學 = 臨床流行病學 + 醫學資訊學 + 團隊合作

5S-Evolution of Information Resources



Searching for the best evidence

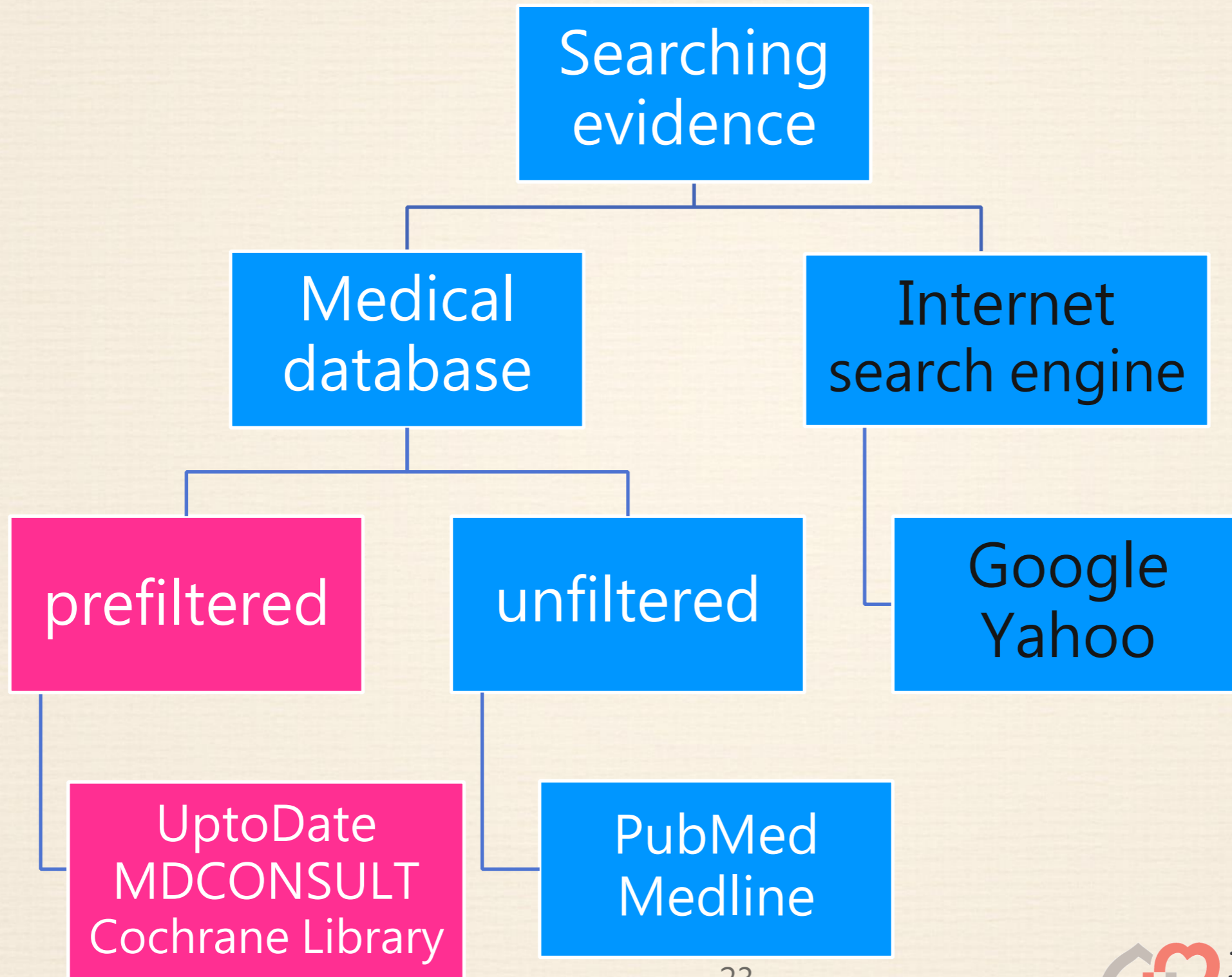


搜尋答案

資料庫	
<i>Uptodate</i>	<i>background</i>
<i>Cochrane Library</i>	<i>2nd database</i>
<i>EBMR</i>	<i>2nd database</i>
<i>PubMed (Clinical Queries)</i>	<i>1st database</i>
<i>Medline</i>	<i>1st database</i>
遠距圖書	本土期刊

建議先
search

Searching for the best evidence



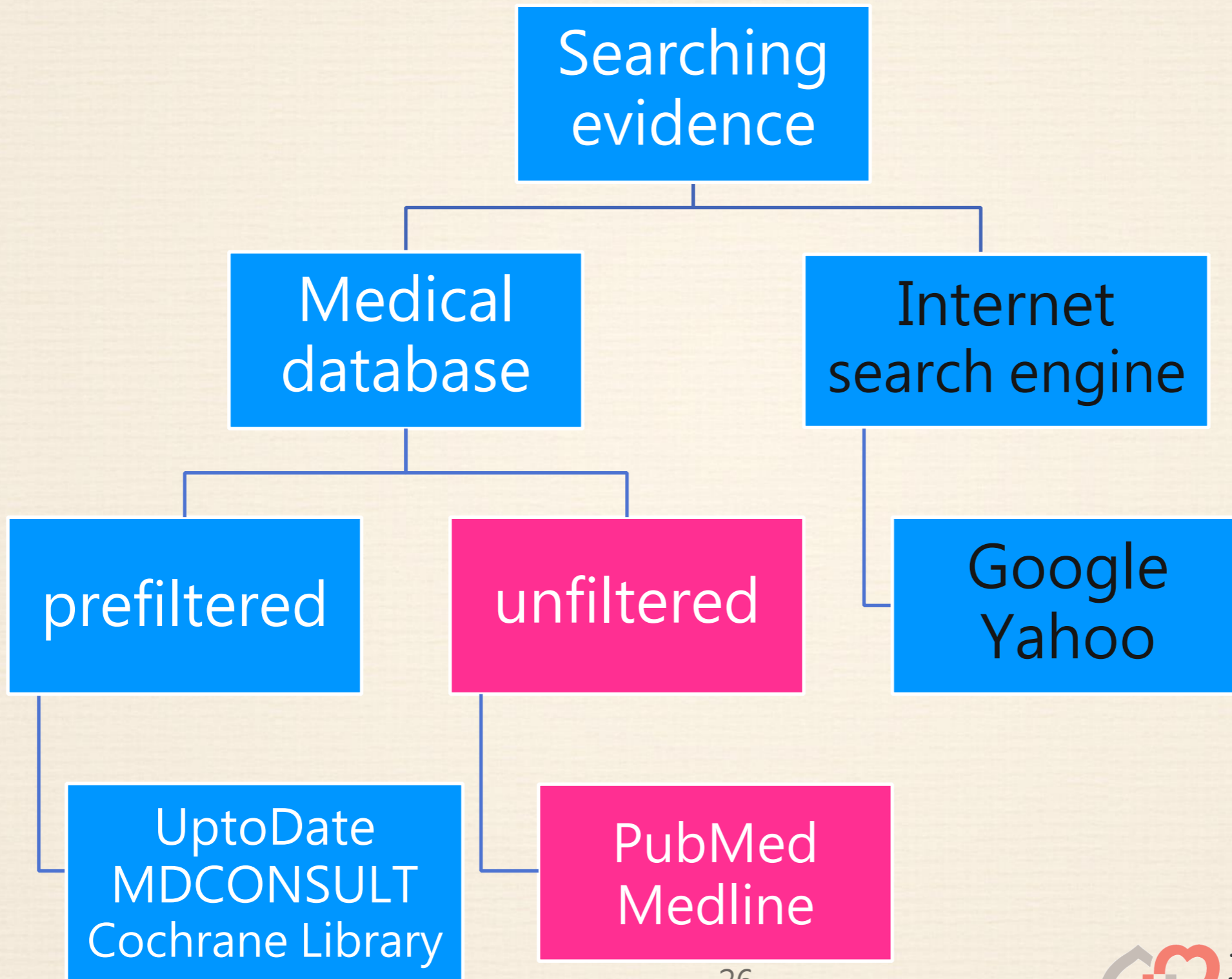
UptoDate 資料庫

- 由3,000多位專業醫師執筆撰寫，資料涵蓋6,000多個內科及次專門科主題評論，並涉及家醫科、小兒科及婦產科，提供up-to-date實證醫學及臨床醫療資訊，以協助醫師進行診療上的快速判斷與決策，內容也包含160,000筆醫學摘要、Lexi-Comp 藥物資料庫，以及病人宣傳手冊。

The Cochrane Library

- ❖ The Cochrane Library為一個實證醫學全文型資料庫，製作單位為 The Cochrane Collaboration。
 - 其下又分為7個資料庫，由Cochrane專業團體或國際組織對文獻進行系統性評論、控制實驗與生統分析。
- ❖ The Cochrane Database of Systematic Reviews (Cochrane Reviews) - 提供超過1,800種完整的評論 (Reviews)

Searching for the best evidence



Medline

- ❖ 美國國家醫學圖書館NLM 於1964建立了全國性醫學文獻網路其中最重要且發展最早的為 MEDLINE 生物醫學資料庫。
- ❖ 收錄自1966 至最新月份的完整MEDLINE 資料庫。
- ❖ 即時獲取每月所屬專科最新資料。
- ❖ 具超強連結功能，可與全文資料庫及實證醫學資料庫（EBMR）相互搭配使用，立即查到全文資料及臨床實證資訊。

PubMed

- ❖ 收錄年限：西元1950年至今
- ❖ 更新頻率：週更新
- ❖ 出版機構：美國國家醫學圖書館的國家生技資訊中心(NCBI) National Center for Biotechnology Information
- ❖ 資料類型：醫學期刊文獻、即將出版的醫學論文
- ❖ PubMed Central 典藏的full-text
- ❖ 收錄主題：生物醫學、生命科學、生化學、行為科學為主；也有收錄資訊科學、航太科學等等。

PubMed與Medline之差異

❖ PubMed 除MEDLINE的內容外，還包括：

由出版社以電郵方式提供的引文，其刊登的期刊仍未被選定為MEDLINE索引，故不被歸類為MEDLINE的引文。

仍未被更新為目前詞彙索引的OLD MEDLINE引文(刊出時間自1948~1965年間，大多沒有摘要，約190萬份)。

寄到 PubMed Central 內被NLM審核過的某些生命科學期刊的全文文獻。

實例介紹

使用何種準備方式可以讓胃部CT掃描時
具有最佳的擴張效果

比較發泡劑與傳統口服顯影劑讓胃部在進行電腦斷層掃描時，
具有最佳擴張效果
(腫瘤偵測率)

臨床問題轉換PICO

UGI

effervescent (gas powder)

gastric (stomach)

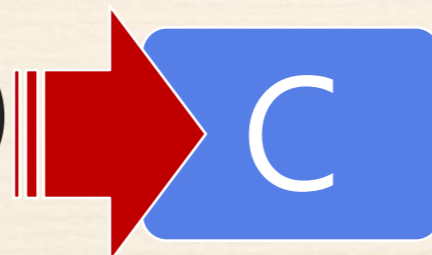
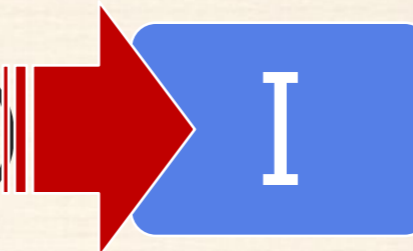
carcinoma (tumor)

buscopan

ampulla vater

Duodenal

Contrast (oral)



一般原則是
先放「P」與「I」，
「C」與「O」視搜
尋結果決定

PubMed使用



PubMed

PubMed comprises more than 24 million citations for biomedical literature from MEDLINE, life science journals, and online books. Citations may include links to full-text content from PubMed Central and publisher web sites.

PubMed COMMONS



Featured comment - Oct 1

Adjusting doses: J Friesen discusses importance of scaling lean body weight for induction of #anesthesia.

1.usa.gov/1CzcbGy

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Text availability

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Species

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- [The effects of silane-SiO₂ nanocomposite films on Candida albicans adhesion and the surface and physical properties of acrylic resin denture base material.](#)
 Yodmongkol S, Chantarachindawong R, Thaweboon S, Thaweboon B, Amornsakchai T, Sriksirin T. J Prosthet Dent. 2014 Sep 23. pii: S0022-3913(14)00361-8. doi: 10.1016/j.prosdent.2014.06.019. [Epub ahead of print]
 PMID: 25258268 [PubMed - as supplied by publisher]
[Related citations](#)
- [A novel automated hydrophilic interaction liquid chromatography method using diode-array detector/electrospray ionization tandem mass spectrometry for analysis of sodium risedronate and related degradation products in pharmaceuticals.](#)
 Bertolini T, Vicentini L, Boschetti S, Andreatta P, Gatti R. J Chromatogr A. 2014 Sep 16. pii: S0021-9673(14)01417-4. doi: 10.1016/j.chroma.2014.09.016. [Epub ahead of print]
 PMID: 25242223 [PubMed - as supplied by publisher]
[Related citations](#)
- [Pharmacokinetics and safety of a new aspirin formulation for the acute treatment of primary headaches.](#)
 Lecchi M, D'Alonzo L, Negro A, Martelletti P. Expert Opin Drug Metab Toxicol. 2014 Oct;10(10):1381-95. doi: 10.1517/17425255.2014.952631. PMID: 25219631 [PubMed - in process]
[Related citations](#)
- [Effervescence-assisted dispersive liquid-liquid microextraction using a solid effervescent agent as a novel dispersion technique for the analysis of fungicides in apple juice.](#)
 Jiang W, Chen X, Liu F, You X, Xue J. J Sep Sci. 2014 Aug 18. doi: 10.1002/jssc.201400695. [Epub ahead of print]
 PMID: 25136817 [PubMed - as supplied by publisher]

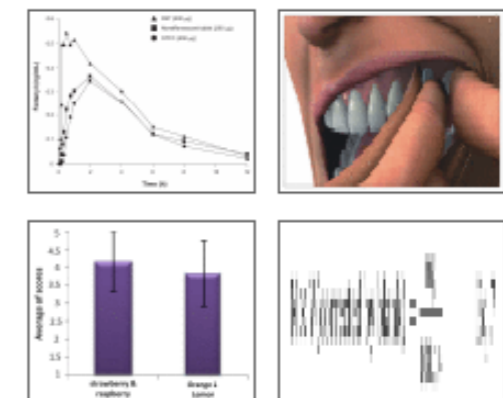
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paracetamol **effervescent**
alendronate **effervescent**
effervescent granules
effervescent aspirin
ranitidine **effervescent** tablet

PMC Images search for *effervescent*



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- [Oral hygiene products, medications and drugs - hidden aetiological factors for dental erosion.](#)
1. Hellwig E, Lussi A.
Monogr Oral Sci. 2014;25:155-62. doi: 10.1159/000359942. Epub 2014 Jun 26. Review.
PMID: 24993264 [PubMed - indexed for MEDLINE]
[Related citations](#)
- [The pharmacokinetics of the effervescent vs. conventional tramadol/paracetamol fixed-dose combination tablet in patients after total gastric resection.](#)
2. Szalek E, Karbownik A, Murawa D, Polom K, Urbaniak B, Grabowski T, Wolc A, Więckiewicz A, Grześkowiak E, Kokot ZJ, Murawa P, Burchardt P, Cieśła S.
Pharmacol Rep. 2014 Feb;66(1):159-64. doi: 10.1016/j.pharep.2013.06.010. Epub 2014 Feb 5.
PMID: 24905322 [PubMed - in process]
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- [Use of an oral effervescent agent in the diagnostic of gastric carcinoma with 18F-FDG PET/CT.](#)
3. Sánchez-Jurado R, Ferrer-Rebolleda J, Cózar-Santiago Mdel P, Aguilar-Barrios JE, Devis-Saiz M, Sanz-Llorens R.
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- [Gastrointestinal symptoms in low-dose aspirin users: a comparison between plain and buffered aspirin.](#)
4. Jaspers Focks J, Tielemans MM, van Rossum LG, Eikendal T, Brouwer MA, Jansen JB, Laheij RJ, Verheugt FW, van Oijen MG.
Neth Heart J. 2014 Mar;22(3):107-12. doi: 10.1007/s12471-014-0522-3.
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Titles with your search terms

Evaluation of the efficacy of Alka-Seltzer **Effervescent** in **gastric** aci [Anesth Analg. 1984]
Effects of **effervescent** ranitidine on **gastric** pH: comparison with [Aliment Pharmacol Ther. 2004]
The way to a man's heart is through his stomach: much 'diaphragmat [Eur J Radiol. 2004]

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- [Use of an oral effervescent agent in the diagnostic of gastric carcinoma with 18F-FDG PET/CT.](#)
1. Sánchez-Jurado R, Ferrer-Rebolleda J, Cózar-Santiago Mdel P, Aguilar-Barrios JE, Devis-Saiz M, Sanz-Llorens R.
Rev Esp Enferm Dig. 2014 Jan;106(1):68-9. No abstract available.
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2. Zalev AH, Grantcharov T, Deitel W.
Can Assoc Radiol J. 2013 Feb;64(1):28-35. doi: 10.1016/j.carj.2011.09.005. Epub 2012 Mar 27.
PMID: 22460052 [PubMed - indexed for MEDLINE]
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- [Use of an oral effervescent agent in the evaluation of gastric 67Ga uptake.](#)
3. Yamada T, Inoue Y, Asano Y, Nippashi Y, Woodhams R, Matsunaga K, Tago M.
Ann Nucl Med. 2012 Feb;26(2):192-6. doi: 10.1007/s12149-011-0554-3. Epub 2011 Nov 15.
PMID: 22081275 [PubMed - indexed for MEDLINE]
[Related citations](#)
- [Dedicated multi-detector CT of the esophagus: spectrum of diseases.](#)
4. Ba-Ssalamah A, Zacherl J, Noebauer-Huhmann IM, Uffmann M, Matzek WK, Pinker K, Herold C, Schima W.
Abdom Imaging. 2009 Jan-Feb;34(1):3-18. Review.
PMID: 17653787 [PubMed - indexed for MEDLINE]
[Related citations](#)
- [64 multidetector-row computed tomography for preoperative evaluation of gastric cancer: histological correlation.](#)
5. Yang DM, Kim HC, Jin W, Ryu CW, Kang JH, Park CH, Kim HS, Jung DH.
J Comput Assist Tomogr. 2007 Jan-Feb;31(1):98-103.

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Try the new Display Settings option - **Sort by Relevance**

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Database:

Search details

```
effervescent[All Fields]
AND ("stomach"[MeSH
Terms] OR "stomach"[All
Fields] OR "gastric"[All
Fields]) AND
```

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- [64 multidetector-row computed tomography for preoperative evaluation of gastric cancer: histological correlation.](#)
 2. Yang DM, Kim HC, Jin W, Ryu CW, Kang JH, Park CH, Kim HS, Jung DH.
 J Comput Assist Tomogr. 2007 Jan-Feb;31(1):98-103.
 PMID: 17259840 [PubMed - indexed for MEDLINE]
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- [Comparing MR imaging and CT in the staging of gastric carcinoma.](#)
 3. Sohn KM, Lee JM, Lee SY, Ahn BY, Park SM, Kim KM.
 AJR Am J Roentgenol. 2000 Jun;174(6):1551-7. Erratum in: AJR Am J Roentgenol 2000 Aug;175(2):556.
 PMID: 10845479 [PubMed - indexed for MEDLINE]
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- [Computed tomography of the gastroesophageal junction.](#)
 4. Halvorsen RA, Thompson WA.
 Crit Rev Diagn Imaging. 1984;21(3):183-228. Review.
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effervescent[All Fields]
 AND "gastric carcinoma"[All Fields]

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- [Oral hygiene products, medications and drugs - hidden aetiological factors for dental erosion.](#)
1. Hellwig E, Lussi A.
Monogr Oral Sci. 2014;25:155-62. doi: 10.1159/000359942. Epub 2014 Jun 26. Review.
PMID: 24993264 [PubMed - indexed for MEDLINE]
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- [The pharmacokinetics of the effervescent vs. conventional tramadol/paracetamol fixed-dose combination tablet in patients after total gastric resection.](#)
2. Szalek E, Karbownik A, Murawa D, Polom K, Urbaniak B, Grabowski T, Wolc A, Więckiewicz A, Grześkowiak E, Kokot ZJ, Murawa P, Burchardt P, Cieśla S.
Pharmacol Rep. 2014 Feb;66(1):159-64. doi: 10.1016/j.pharep.2013.06.010. Epub 2014 Feb 5.
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3. Sánchez-Jurado R, Ferrer-Rebolleda J, Cózar-Santiago Mdel P, Aguilar-Barrios JE, Devis-Saiz M, Sanz-Llorens R.
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4. Jaspers Focks J, Tielemans MM, van Rossum LG, Eikendal T, Brouwer MA, Jansen JB, Laheij RJ, Verheugt FW, van Oijen MG.
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1. Hellwig E, Lussi A.
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PMID: 24993264 [PubMed - indexed for MEDLINE]
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[The pharmacokinetics of the effervescent vs. conventional tramadol/paracetamol fixed-dose combination tablet in patients after total gastric resection.](#)

2. Szalek E, Karbownik A, Murawa D, Polom K, Urbaniak B, Grabowski T, Wolc A, Więckiewicz A, Grześkowiak E, Kokot ZJ, Murawa P, Burchardt P, Cieśła S.
Pharmacol Rep. 2014 Feb;66(1):159-64. doi: 10.1016/j.pharep.2013.06.010. Epub 2014 Feb 5.
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3. Sánchez-Jurado R, Ferrer-Rebolleda J, Cózar-Santiago Mdel P, Aguilar-Barrios JE, Devis-Saiz M, Sanz-Llorens R.
Rev Esp Enferm Dig. 2014 Jan;106(1):68-9. No abstract available.
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4. Jaspers Focks J, Tielemans MM, van Rossum LG, Eikendal T, Brouwer MA, Jansen JB, Laheij RJ, Verheugt FW, van Oijen MG.
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- [Ultrasound assessment of gastric content and volume.](#)
1. Perlas A, Chan VW, Lupu CM, Mitsakakis N, Hanbidge A.
Anesthesiology. 2009 Jul;111(1):82-9. doi: 10.1097/ALN.0b013e3181a97250.
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- [Design and evaluation of bilayer floating tablets of captopril.](#)
2. Rahman Z, Ali M, Khar R.
Acta Pharm. 2006 Mar;56(1):49-57.
PMID: 16613734 [PubMed - indexed for MEDLINE]
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- [\[Radiographic patterns in patients after antireflux surgery\].](#)
3. Barbiera F, Cannella I, D'agostino T, Fiorentino E, Lo Greco V, Paviglianiti G.
Radiol Med. 2001 May;101(5):371-5. Italian.
PMID: 11438790 [PubMed - indexed for MEDLINE]
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- [\[The role of radiology in assessing patients with pathological obesity submitted to modified Mason's vertical gastropasty. A study of 322 cases\].](#)
4. Monteduro F, Cappello I, Spagnol A, Ghetti A, Pezzi A.
Radiol Med. 1999 Dec;98(6):495-9. Italian.
PMID: 10755011 [PubMed - indexed for MEDLINE]
[Related citations](#)
- [The influence of age, gender, Helicobacter pylori and smoking on gastric mucosal adaptation to non-steroidal anti-inflammatory drugs.](#)
5. Lipscomb GR, Campbell F, Rees WD.
Aliment Pharmacol Ther. 1997 Oct;11(5):907-12.
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Superior calcium bioavailability of **effervescent** potassium calcium c [Surg Obes Relat Dis. 2013]
Modulation of **gastric** pH by a buffered soluble **effervescent** formulation: A p [Int J Pharm. 2012]
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Method of delivering drug with aid of effervescent activity generated in environment of use

P Bosen, PS Wong, F Theeuwes - US Patent 4,265,874, 1981 - Google Patents

A method is disclosed for delivering a drug substantially free of rapid precipitation from an osmotic device. The osmotic device comprises a semipermeable wall surrounding a compartment, housing (1) a drug that exhibits limited solubility under neutral and acid ...

被引用 317 次 相關文章 全部共 2 個版本 引用 儲存

Floating or pulsatile drug delivery systems based on coated effervescent cores

I Krögel, R Bodmeier - International journal of Pharmaceutics, 1999 - Elsevier

The objective of this study was to develop and evaluate floating and pulsatile drug delivery systems based on a reservoir system consisting of a drug-containing effervescent core and a polymeric coating. Preliminary studies identified important core and coating properties for ...

被引用 202 次 相關文章 全部共 5 個版本 引用 儲存

Effervescent atomization

SD Sovani, PE Sojka, AH Lefebvre - Progress in Energy and Combustion ..., 2001 - Elsevier

Effervescent atomization is a method of twin-fluid atomization that involves bubbling a small amount of gas into the liquid before it is ejected from the atomizer. The technique of bubbling gas directly into the liquid stream inside the atomizer body is essentially different from ...

被引用 249 次 相關文章 全部共 4 個版本 引用 儲存

The effect of metoclopramide on the absorption of effervescent aspirin in migraine.

GN Volans - British journal of clinical pharmacology, 1975 - Wiley Online Library

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[Design and in vitro evaluation of effervescent gastric floating drug delivery systems of propranolol HCl](#)

luz.edu.ve 提供的 [PDF]

[VS Meka, AS Songa, SR Nali... - Investigación ..., 2012 - produccioncientifica.luz.edu.ve](#)

Resumen The purpose of this research was to develop and evaluate effervescent gastric floating tablets of propranolol HCl. The oral delivery of antihypertensive propranolol HCl was facilitated by preparing an effervescent floating dosage form which could increase its ...

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[In single doses ranitidine effervescent is more effective than lansoprazole in decreasing gastric acidity](#)

wiley.com 提供的 [PDF]

[JS Arnestad, PM Kleveland... - Alimentary pharmacology ..., 1997 - Wiley Online Library](#)

Background: A rapid and reproducible decrease of gastric acidity is preferable in patients with penetrating/perforating peptic ulcers and in on-demand treatment of some patients with dyspepsia. The present study was done to compare the effect of single doses of ranitidine ...

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[Evaluation of the efficacy of Alka-Seltzer Effervescent in gastric acid neutralization](#)

[CT Chen, TJK Toung, HM Haupt... - Anesthesia & ..., 1984 - journals.lww.com](#)

Abstract A commercially available antacid, a mixture of sodium and potassium bicarbonates and citric acid (Alka-Seltzer Effervescent), was evaluated experimentally and clinically for its efficacy in neutralizing 0.1 N HCl and gastric contents. In an in vitro titration study, Alka- ...

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effervescent gastric carcinoma



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Comparing MR imaging and CT in the staging of gastric carcinoma
KM Sohn, JM Lee, SY Lee, BY Ahn... - American Journal of ..., 2000 - Am Roentgen Ray Soc
... T Staging of Gastric Carcinoma In the ... may occur. However, the use of effervescent granules still provides improved evaluation of the gastric wall and can be used to supplement or replace water for gastric distention [11]. For fast ...
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Spiral computed tomography and operative staging of gastric carcinoma: a comparison with histopathological staging bmj.com 提供的 [HTML]
J Davies, AG Chalmers, HM Sue-Ling, J May, GV Miller... - Gut, 1997 - gut.bmj.com
... Each patient had a preoperative histological diagnosis of gastric adenocarcinoma established on the basis ... A minority of patients (n=20) were also given effervescent Carbex granules and ... is a very inaccurate method of identifying lymph node metastases from gastric carcinoma. ...
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Gastric Cancer Staging at Multi-Detector Row CT Gastrography: Comparison of Transverse and Volumetric CT Scanning 1 rsna.org 提供的 [HTML]
HJ Kim, AY Kim, ST Oh, JS Kim, KW Kim, PN Kim... - Radiology, 2005 - pubs.rsna.org
... The pathologic staging was based on TNM staging according to the revised Japanese Classification of Gastric Carcinoma from the Japanese Gastric Cancer Association (29), as follows: pT1 ... To achieve gastric distention, patients ingested effervescent granules (Top ...
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Comparing MR imaging and CT in the staging of gastric carcinoma

KM Sohn, JM Lee, SY Lee, BY Ahn... - American Journal of ..., 2000 - Am Roentgen Ray Soc

... The positions were reversed when effervescent granules were used as oral contrast agents. ... test was performed to compare fast MR imaging with helical CT on the basis of the accuracy in the staging of stomach cancer and tumor ... 44-year-old man with stage T2 gastric cancer. ...

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Spiral computed tomography and operative staging of gastric carcinoma: a comparison with histopathological staging

J Davies, AG Chalmers, HM Sue-Ling, J May, GV Miller... - Gut, 1997 - gut.bmj.com

... Each patient had a preoperative histological diagnosis of gastric adenocarcinoma established on the basis of ... Schering Health Care Ltd, West Sussex, UK) to opacify the small bowel and stomach. A minority of patients (n=20) were also given effervescent Carbex granules and ...

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The role of 3D spiral CT in early gastric carcinoma

DH Lee, YT Ko - Journal of computer assisted tomography, 1998 - journals.lww.com

... Six grams of Top effervescent granules (Taejoon Pharm., Kyungkido, South Korea) was subsequently administered orally. ... Three-dimensional imaging of the stomach by spiral CT. ... The role of three-dimensional and axial imaging in advanced gastric carcinoma by spiral CT. ...

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- [\[A case of complete response to multiple liver metastasis of gastric cancer after discontinuation of S-1 administration\].](#)
Koike M, Mino K, Shoji H, Konishi Y, Katayama T, Kuwahara H, Kon H, Tamura M, Iwasaki S, Suzuki A, Akasaka Y.
Gan To Kagaku Ryoho. 2014 Jul;41(7):893-6. Review. Japanese.
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PubMed "Stomach Neoplasms/diagnosis"[Mesh] and effervescent Search

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- [Use of an oral effervescent agent in the evaluation of gastric 67Ga uptake.](#)
1. Yamada T, Inoue Y, Asano Y, Nippashi Y, Woodhams R, Matsunaga K, Tago M. Ann Nucl Med. 2012 Feb;26(2):192-6. doi: 10.1007/s12149-011-0554-3. Epub 2011 Nov 15. PMID: 22081275 [PubMed - indexed for MEDLINE] [Related citations](#)
- [Description of early gastric cancer with wall-carving technique on multidetector computed tomography.](#)
2. Kawanami S, Komori M, Tsurumaru D, Matsuura S, Nishie A, Honda H. Jpn J Radiol. 2011 Jan;29(1):76-82. doi: 10.1007/s11604-010-0505-2. Epub 2011 Jan 26. PMID: 21264667 [PubMed - indexed for MEDLINE] [Related citations](#)
- [Three-dimensional MDCT for preoperative local staging of gastric cancer using gas and water distention methods: a retrospective cohort study.](#)
3. Park HS, Lee JM, Kim SH, Lee JY, Yang HK, Han JK, Choi BI. AJR Am J Roentgenol. 2010 Dec;195(6):1316-23. doi: 10.2214/AJR.10.4320. PMID: 21098189 [PubMed - indexed for MEDLINE] [Related citations](#)
- [Intraoperative portable abdominal radiograph for tumor localization: a simple and accurate method for laparoscopic gastrectomy.](#)
4. Kim HI, Hyung WJ, Lee CR, Lim JS, An JY, Cheong JH, Choi SH, Noh SH. Surg Endosc. 2011 Mar;25(3):958-63. doi: 10.1007/s00464-010-1288-3. Epub 2010 Aug 20. PMID: 20725742 [PubMed - indexed for MEDLINE] [Related citations](#)
- [64 multidetector-row computed tomography for preoperative evaluation of gastric cancer: histological correlation.](#)
5. Yang DM, Kim HC, Jin W, Ryu CW, Kang JH, Park CH, Kim HS, Jung DH. J Comput Assist Tomogr. 2007 Jan-Feb;31(1):98-103. PMID: 17259840 [PubMed - indexed for MEDLINE] [Related citations](#)

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effervescent (gastric or carcinoma)



Search

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Sánchez-Jurado R, Ferrer-Rebolleda J, Cózar-Santiago Mdel P, Aguilar-Barrios JE, Devis-Saiz M, Sanz-Llorens R.
Rev Esp Enferm Dig. 2014 Jan; 106(1):68-9.

Detection of neoplastic gastric lesions using capsule endoscopy: pilot study.

Jun BY, Lim CH, Lee WH, Kim JS, Park JM, Lee IS, Kim SW, Choi MG.
Gastroenterol Res Pract. 2013; 2013:730261. Epub 2013 May 22.

Use of an oral effervescent agent in the evaluation of gastric 67Ga uptake.

Yamada T, Inoue Y, Asano Y, Nippashi Y, Woodhams R, Matsunaga K, Tago M.
Ann Nucl Med. 2012 Feb; 26(2):192-6. Epub 2011 Nov 15.

Evaluation of powder mixtures and hydrophilic gastroretentive drug delivery systems containing zinc acetate and sodium bicarbonate.

Baki G, Bajdik J, Pintye-Hódi K.
J Pharm Biomed Anal. 2011 Mar 25; 54(4):711-6. Epub 2010 Nov 9.

Dedicated multi-detector CT of the esophagus: spectrum of diseases.

Ba-Ssalamah A, Zacherl J, Noebauer-Huhmann IM, Uffmann M, Matzek WK, Pinker K, Herold C, Schima W.
Abdom Imaging. 2009 Jan-Feb; 34(1):3-18.

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effervescent (gastric or carcinoma)

Clinical Study Categories

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Multidetector CT and virtual endoscopy in the evaluation of the esophagus.

Mazzeo S, Caramella D, Gennai A, Giusti P, Neri E, Melai L, Cappelli C, Bertini R, Capria A, Rossi M, et al.

Abdom Imaging. 2004 Jan-Feb; 29(1):2-8.

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