

實證文獻搜尋-PubMed

方靜如 參考館員

成功大學醫學圖書分館

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Clinical Question

妊娠糖尿病患者促進身體活動是否有助控制血糖？

P Patient/Problem	gestational diabetes
I Intervention	physical activity
C Comparison	-----
O Outcomes	glycemic control

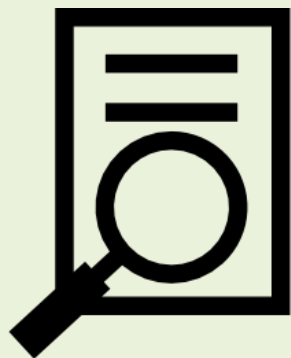
Type

☐Diagnosis ☒Therapy ☐Prognosis ☐Harm ☐Etiology

檢索路數大不同

證據使用者

Evidence User



High Specificity

- 臨床應用/養成
- 競賽: 查證/臨床
- 一般文獻查證

VS

證據產出者

Evidence Maker



High Sensitivity

- Systematic Review
- Scoping Review
- Practice Guideline

實證搜尋的評分標準

台灣實證護理學會

(十) 一般組 評分標準

醫策會國家醫療品質獎

構面	評分項目	配分
PICO 的質與量 10%	1. 清楚描述病人（族群）及疾病	5
	2. 清楚描述主要/其它的介入、診斷或暴露因子	5
	3. 正確指出結果的依據	5
文獻搜尋的方法與技巧 30%	1. 使用合適的關鍵字	5
	2. 清楚地敘述選擇資料庫的理由，以及相對應的檢索策略	5
	3. 利用各種檢索功能提升搜尋效率	5
	4. 清楚地描述挑選文獻的歷程與理由，以及能否回答臨床提問	5
嚴格的文獻評讀 30%	1. 正確描述所列文獻的病人族群與具體研究介入措施	5
	2. 使用適當的文獻評讀工具	5
	3. 正確且嚴謹的評讀「重要性」(importance)	5
	4. 正確且嚴謹的評讀「結果的重要性」(importance)	5
	5. 正確整合文獻證據	5
證據之臨床應用 25%	1. 能否應用在本案例及類似的病人上	5
	2. 考量風險與利益	5
	3. 有考量病人觀點且有效說明	5
	4. 考量成本效益	5
	5. 綜整由證據到建議的整體表現	5
現場表現 5%	1. 報告內容系統分明、前後連貫	5
	2. 圖表文字清晰簡明，易於瞭解	5
加分項目 2%	1. 團隊的呈現手法創新	2

備註：總分為 102 分，由主辦單位做各分項成績處理

項 目	
主題的選定 3%	1. 主題重要性
PICO 的質與量 5%	1. 清楚描述照護族群之臨床問題
	2. 清楚描述主要/其它的介入處置或暴露因子
	3. 正確指出結果的依據
文獻搜尋 10%	1. 關鍵字使用合適
	2. 清楚地敘述檢索策略、使用之資料庫及利用各種檢索功能
	3. 清楚地描述挑選文獻的歷程與理由，以及能否回答臨床提問

實證健康照護知識館

4-2	文獻搜尋的方法與分析：尋找文獻(Acquire)	共 20%	-
	需簡述搜尋文獻的關鍵字與資料庫，並說明選取該文獻之理由。		
4-2-1	關鍵字使用合適	5	1. 關鍵字與主題 PICO 一致，且正確、完整。 2. 具體說明使用的關鍵字，可包括 MeSH term 或自然語言。
4-2-2	清楚敘述檢索策略及利用各種此檢索功能	8	1. 詳述正確且合理的檢索策略。 2. 適當使用布林運算元、限制或篩選功能。 3. 具體說明搜尋資料庫，應包括 Cochrane, PubMed, 宜涵蓋該領域重要的資料庫 (如 VHL 及本土資料庫(發表於國際期刊的本土資料亦屬之))。 4. 適當說明使用限制(年代、性別、年齡等)以及篩選理由。
4-2-3	清楚描述挑選文獻的理由	7	1. 清楚描述文獻「納入」、「排除」標準及理由 2. 使用流程圖呈現搜尋歷程。 3. 挑選文獻的考量，需能含回答問題的最佳研究設計、文獻問題結構 PI(E)CO 與主題相符等。

1. 使用合適的關鍵字

2. 清楚敘述檢索策略及使用之資料庫

3. 利用檢索功能提昇效率

4. 清楚描述挑選文獻的歷程與理由及與臨床情境的關聯

文獻搜尋步驟

① 臨床情境 > 臨床問題 > PICO

② 使用合適的關鍵字

③ 布林邏輯組合

④ 執行檢索

⑤ 評估結果與需求

⑥ 修正檢索策略

查精準 vs. 搜周全

- 限定欄位
- 研究設計
- Filters & Limits (年齡/性別...)
- Similar Articles (權重滾出相關文章)

使用合適的關鍵字



同義字 靈感！

- 字典/翻譯器
- 期刊文章中英對照書目 → 華藝線上圖書館、國圖博碩士論文 ←
- ChatGPT ←
- 逛文章 → UpToDate、DynaMed、Google
- 控制詞彙之同義字參照清單
 - MeSH (Medline) → Entry Terms
 - Emtree (Embase) → Synonyms
- 想像力!!

同義字 期刊中英對照 → 華藝新版 <https://www.airitilibrary.com>

食物中毒

精確檢索：食物中毒

Star Fruit, a Neglected but Serious Fruit Intoxicant in Chronic Renal Failure

葉宏日(Hon-Jek Yap) ; 陳永昌(Yung-Chang Chen) ; 方基存(Ji-Tseng Fang) 以及其他 1 位作者

《Acta Nephrologica》 14卷4期 (2000 / 10) Pp. 334-334

台灣常見食物中毒

林特暉 ; 程劭儀

《家庭醫學與基層醫療》 30卷8期 (2015 / 08) Pp. 216-222

社區醫學216家庭醫學與基層醫療第三十卷第八期 食物中毒之定義所謂「食物中毒」，是指攝食含有大量中毒的致病食物。根據美國食品安全網站(foodsafety.gov)之定義，食物中毒(Food poisoning, 又被稱為Foodborne illness/disease)

餐飲從業人員衛生知識之研究

摘要

本研究目的在探討新北市餐飲從業人員衛生知識與不同背景餐飲從業人員衛生知識的差異，持自編問卷，有效樣本236份，研究結果顯示新北市餐飲從業人員衛生知識以個人衛生知識得分最高，其次為交叉汙染、器具清潔、食品保存、食品中毒、食品製備、衛生法規。不同性別、職位、餐廳性質、在餐飲衛生知識無差異，內場從業人員餐飲衛生知識優於外場；31-40歲餐飲從業人員衛生知識優於21-30歲；從事餐飲工作1-3年衛生知識優於13-15年；大專畢業者衛生知識優於高中畢業；有丙級中餐證照之廚師優於沒有證照者；定期參加衛生講習及做健康檢查者餐飲衛生知識優於沒有證照者。

並列摘要

The purpose of this research is to explore the diversities of occupational health knowledge of restaurant workers with different backgrounds in New Taipei City. The results of self-assessment questionnaires obtained from 236 effective samples showed that the highest correct answer score was about the issue of personal health knowledge, followed by food cross contamination, food utensils cleaning, food preservation, food poisoning, food preparation and the food

中文同義詞

英文同義詞

P

妊娠
糖尿病



I

身體活動



O

血糖控制



縮寫

同義異形

單複數 | 詞性 | 時態

美英式

廣狹義詞

情境上

人物設定

您是系統性回顧研究的專家，同時也是擅長文獻檢索的圖書館員
請協助我們的研究團隊，蒐集下列題目的英文同義詞與控制詞彙

需求說明

題目：「妊娠糖尿病患者以身體活動介入，是否能改善血糖控制效果？」

輸出形式

輸出形式：以表格分別列出PICO的英文同義詞、控制詞彙MeSH、控制詞彙Emtree



您要蒐集的研究題目是「妊娠糖尿病患者以身體活動介入，是否能改善血糖控制效果」。我們可以將此問題分解為 PICO (Population, Intervention, Comparison, Outcome) 四大部分：

PICO	英文同義詞	MeSH 控制詞彙	Emtree 控制詞彙
P (Population)	Gestational diabetes patients, Pregnant women with diabetes	Gestational Diabetes Mellitus, Pregnant Women, Diabetes, Gestational	Gestational diabetes, Pregnancy, Diabetic pregnancy
I (Intervention)	Physical activity intervention, Exercise	Physical Activity, Exercise	Physical activity, Exercise therapy
C (Comparison)	No physical activity, Standard care	No Intervention, Standard of Care	Standard care, Non-exercise
O (Outcome)	Blood glucose control, Glycemic control	Blood Glucose, Glycemic Control, Blood Sugar Control	Blood glucose level, Glucose control , Glycemic control

迭代追問

F

請補充同義詞，注意下列事項

1. 包含單複數、英美式拼法、縮寫、同義異形
2. 身體活動: 請幫我列出適合孕婦的運動名稱
3. 如果詞彙有不同字尾變化，請做適當字尾切截
例如physical activity
表達為physical activit*

明白了，根據您的需求，我將補充並修正PICO的同義詞表格：

PICO	英文同義詞	MeSH 控制詞彙	Emtree 控制詞彙
P (Population)	Gestational diabetes patients, Pregnant women with diabetes, Pregnant diabetic women	Gestational Diabetes Mellitus, Pregnant Women, Diabetes, Gestational	Gestational diabetes, Pregnancy, Diabetic pregnancy
I (Intervention)	Physical activit*, Exercise, Exercising, Aerobics, Prenatal yoga, Swimming, Walking, Prenatal Pilates	Physical Activity, Exercise	Physical activit*, Exercise therap*, Aerobics, Yoga, Swimming, Walking, Pilates
C (Comparison)	No physical activit*, No exercise, Standard care	No Intervention, Standard of Care	Standard care, Non-exercise
O (Outcome)	Blood glucose control, Glycemic control, Glycemic control, Blood sugar regulation	Blood Glucose, Glycemic Control, Blood Sugar Control	Blood glucose level*, Glucose control*, Glycemic control*

使用合適的檢索詞 (生成式人腦)

	中文同義詞	英文同義詞
P	 妊娠、懷孕 孕期、孕婦 糖尿病	GDM 縮寫 gestational diabet* pregnancy diabet* 同義異形
I	 身體活動 運動 瑜珈 游泳	廣狹義 physical activit* exercise* 情境上 yoga swim* * 單複數 詞性 時態 (PubMed一般檢索勿用*)
O	 血糖 糖化血色素	glycemi* 美英式 glycaemi* blood glucose Hba1c 對應指標

II. 檢索詞

- ☐ 並非 PICO 所有面向皆要列入檢索；亦可視題目彈性增加 P2、I2...等
- ☐ 列出詞彙方式 (二選一)
 - (1)分列同義詞與控制詞彙(MeSH)
 - (2)混列同義詞與控制詞彙時，請將儲存格合併，MeSH 標底線
- ☐ 相同概念以 OR 組合 (跨行間預設採 AND，亦可能採用 OR)
- ☐ 注意: PubMed 檢索時輸入切截*或"雙引號"，將停止自動比對 MeSH，請謹慎使用

英文同義詞

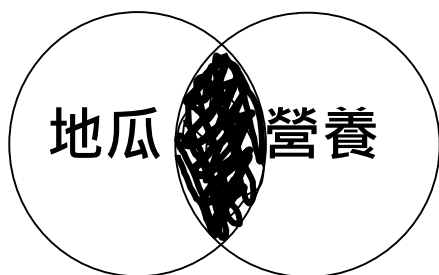
控制詞彙 (MeSH)

混列範例:

P		GDM OR <u>gestational diabetes</u> OR pregnancy diabetes
I		physical activity OR <u>exercise</u> OR <u>yoga</u> OR <u>swim</u>
C		
O		glycemic OR glycaemic OR <u>blood glucose</u> OR <u>Hba1c</u>

Type of Question: ☐Diagnosis ☐Therapy ☐Harm ☐Prognosis ☐Etiology ☐Other: _____

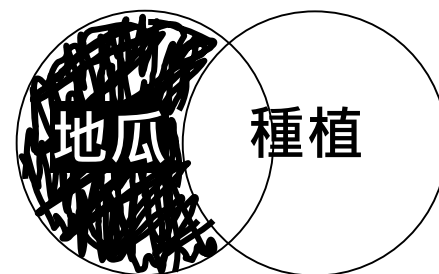
布林邏輯



AND



OR



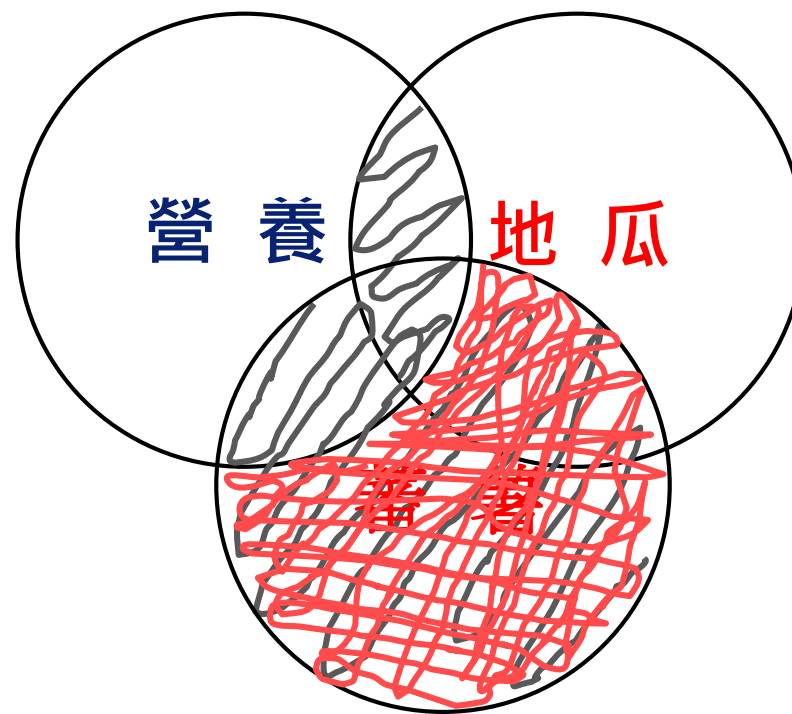
NOT

1. 營養 AND 地瓜 OR 蕃薯 ☐

2. 地瓜 OR 蕃薯 AND 營養 ☐

3. 營養 AND (地瓜 OR 蕃薯) ☐

= (營養 AND 地瓜) OR (營養 AND 蕃薯)



布林邏輯組合？

AND OR ()

妊娠 懷孕 身體活動 運動

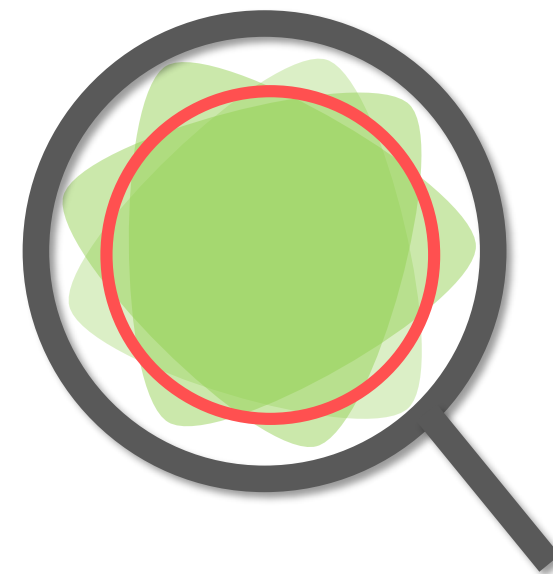
布林邏輯組合

(妊娠 OR 懷孕) AND (身體活動 OR 運動)

(gestational diabetes OR GDM) AND (physical activity OR exercise)

檢索者的換位思考

我是作者 ↔ 我是索引者



同義詞 + 控制詞彙 = 周全檢索

作者們的寫法
自由詞彙

特定資料庫 (索引專家)
統一用詞

我是檢索者

使用合適的檢索詞 (生成式人腦)

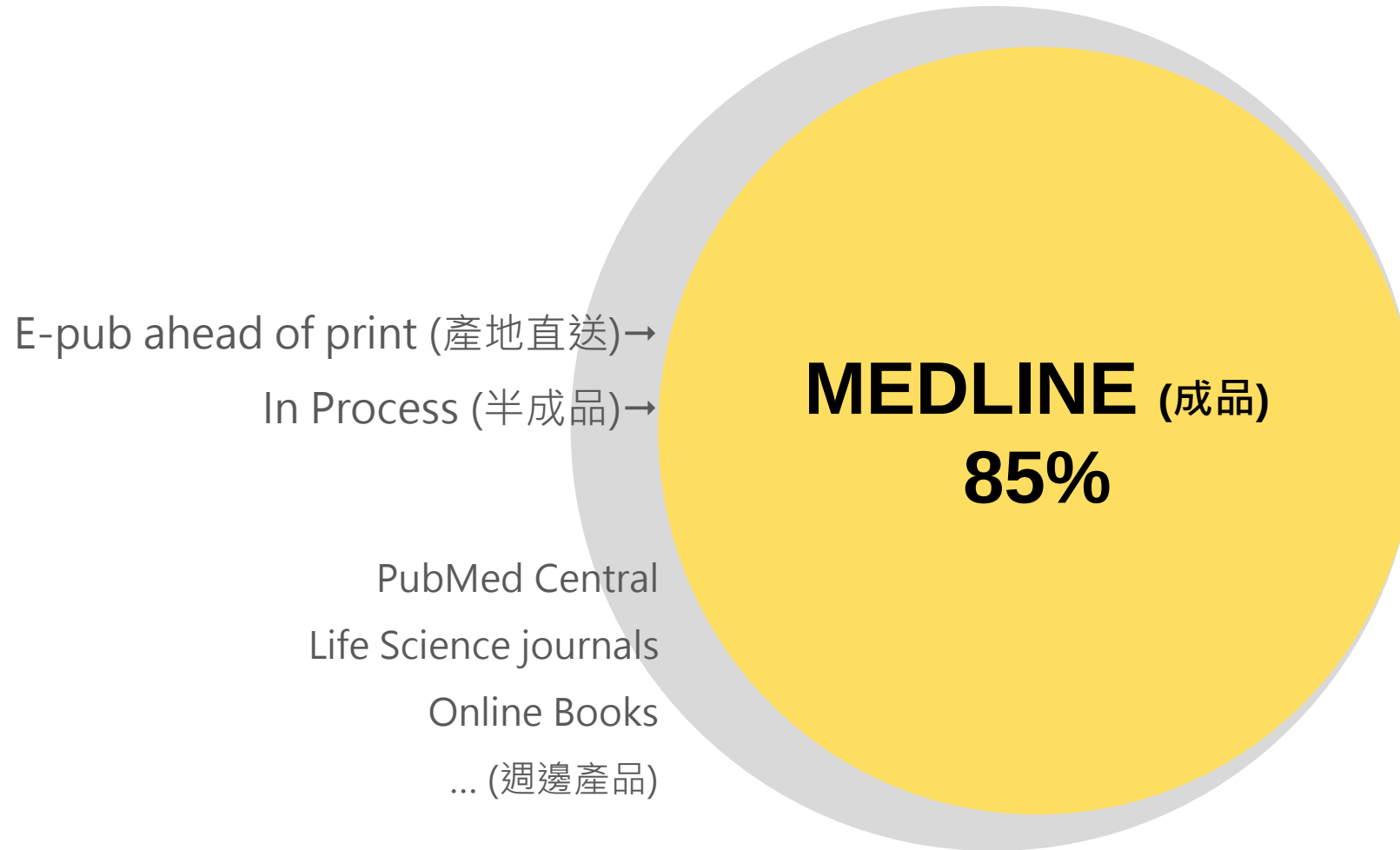
		中文同義詞	英文同義詞	控制詞彙 MeSH
P		妊娠、懷孕 孕期、孕婦 糖尿病	GDM gestational diabet* pregnancy diabet*	Diabetes, Gestational
I		身體活動 運動 瑜珈 游泳	physical activit* exercise* yoga swim*	Exercise Exercise Therapy Yoga
O		血糖 糖化血色素	glycemi* glycaemi* blood glucose Hba1c	Blood Glucose Glycemic Control Glycated Hemoglobin A

(PubMed一般檢索勿用*)

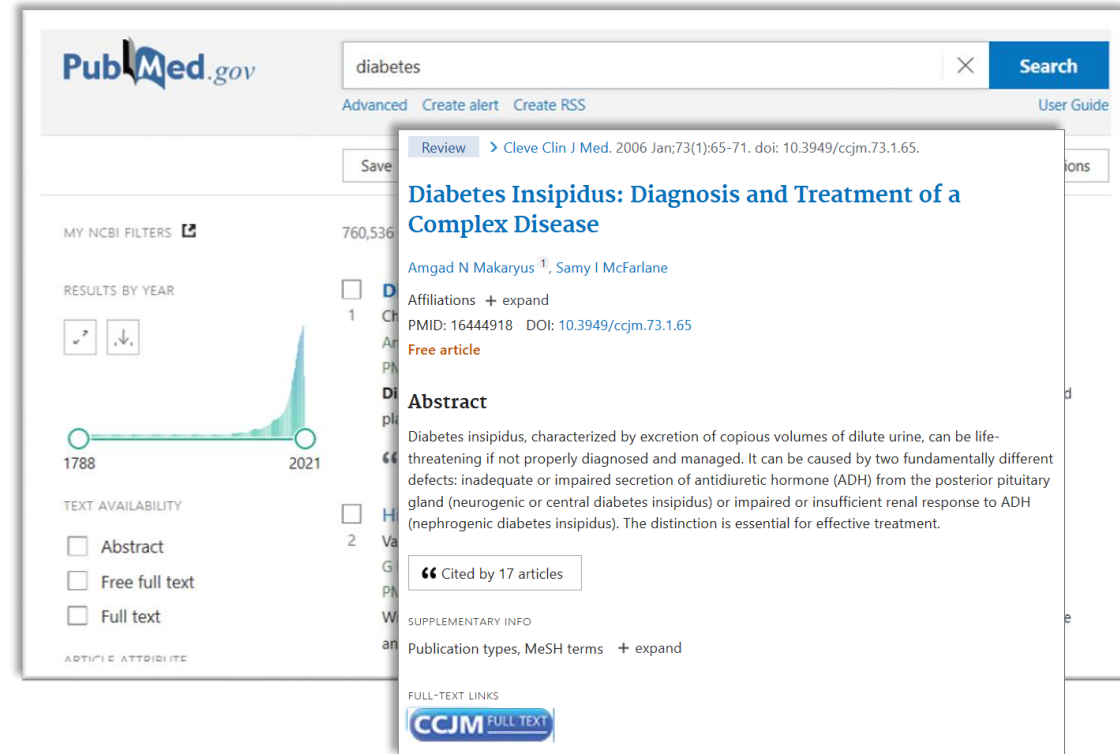
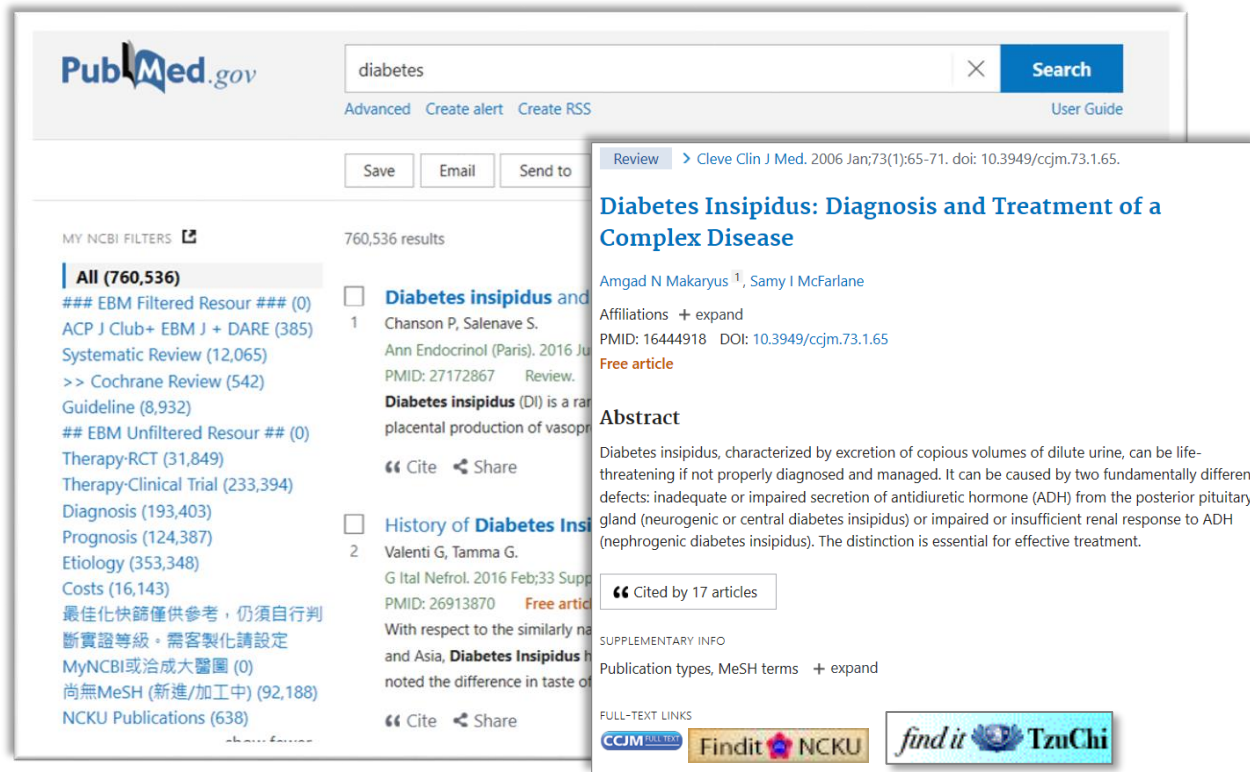
PubMed



PubMed



專屬網址 或 [NCBI帳號個人化](#)



機構專屬網址

<https://pubmed.ncbi.nlm.nih.gov/?otool=itwxtailib&myncbishare=nckulib> (成大)

醫圖首頁 > 電子資源整合查詢系統 > PubMed

讚①: 每筆書目摘要顯示機構圖示:

取得圖書館電子全文→紙本全文→申請館際文獻; 查詢SCI與SSCI期刊收錄

讚②: 每次檢索結果快篩 Filter your Results

一般網址

<https://pubmed.ncbi.nlm.nih.gov>



Search PubMed → 檢索詞、AND/OR/NOT、檢索編號#

Search

Advanced

→ 進階查詢介面 / 檢索歷史

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Single Citation Matcher 篩選



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FTP
Batch Citation Matcher



Explore

MeSH Database → 醫學主題詞表
Journals
Legacy PubMed (available until at least
9/30/2020)

使用MeSH

- ① 避免只使用縮寫 / 切截 / 片語
- ② 檢查比對細節

Advanced > History and Search Details > Details

ex. ☐ MRA
☐ breast milk
☐ clown
☐ food poisoning

PubMed Advanced Search Builder

Add terms to the query box

All Fields **ADD** Show Index

Query box

Search

History and Search Details Download

Search	Actions	Details	Query	Results
#4	...	>	Search: alternative therap*	209,097
#3	...	>	Search: alternative therapy	353,314
#2	...	>	Search: dm	50,461
#1	...	>	Search: diabetes	760,536

系統如何自動轉譯使用者輸入的關鍵字:

Automatic Term Mapping

- 關鍵字依序比對 MeSH詞表 ⇒ 刊名詞表 ⇒ 作者詞表
- 若比到MeSH: 以MeSH(含狹義詞)與All Fields檢索
- 若未比到任何詞表: 關鍵字檢索All Fields
- 檢索詞加“雙引號”, 切截*, [限欄位] 就不啟動自動轉

Search Detail

alternative: "alternance"[All Fields] OR "alternances"[All Fields] OR "alternant"[All Fields] OR "alternants"[All Fields] OR "alternate"[All Fields] OR "alternated"[All Fields] OR "alternately"[All Fields] OR "alternates"[All Fields] OR "alternating"[All Fields] OR "alternation"[All Fields] OR "alternations"[All Fields] OR "alternative"[All Fields] OR "alternatively"[All Fields] OR "alternatives"[All Fields]

alternative therapy: "complementary therapies"[MeSH Terms] OR ("complementary"[All Fields] AND "therapies"[All Fields]) OR "complementary therapies"[All Fields] OR ("alternative"[All Fields] AND "therapy"[All Fields]) OR "alternative therapy"[All Fields]

dm: "Dyn Med"[Journal: __jid101152197] OR "Dis Mon"[Journal: __jid0370657] OR "Dis Manag"[Journal: __jid9802539] OR "dm"[All Fields]

diabetes: "diabete"[All Fields] OR "diabetes mellitus"[MeSH Terms] OR {"diabetes"[All Fields] AND "mellitus"[All Fields]} OR "diabetes mellitus"[All Fields] OR "diabetes"[All Fields] OR "diabetes insipidus"[MeSH Terms] OR ("diabetes"[All Fields] AND "insipidus"[All Fields]) OR "diabetes insipidus"[All Fields] OR "diabetic"[All Fields] OR "diabetics"[All Fields] OR "diabets"[All Fields]}

自由詞彙

控制詞彙

- 進入PubMed > Advanced介面
- 輸入P 檢索詞
- 每次檢索檢查Details:
你MeSH了嗎？ (點開Details附圖佐證)

Translations

gestational diabetes: "diabetes, gestational"[MeSH Terms] OR ("diabetes"[All Fields] AND "gestational"[All Fields]) OR "gestational diabetes"[All Fields] OR ("gestational"[All Fields] AND "diabetes"[All Fields])

從高相關書目反推MeSH

請擇兩三篇文章來參考。近期加入文章不會有MeSH。

當檢索詞無比對到MeSH

Translations

clown: "clown"[All Fields] OR "clown's"
[All Fields] OR "clowning"[All Fields] OR
"clowns"[All Fields]

clown[ti] ① 限定於篇名

Save Email Send to

Sorted by: Best match Display options ②

Randomized Controlled Trial > Fertil Steril. 2011 May;95(6):2127-30.
doi: 10.1016/j.fertnstert.2010.12.016. Epub 2011 Jan 6.

The Effect of Medical Clowning on Pregnancy in Vitro Fertilization and Embryo Transfer

Shevach Friedler¹, Saralee Glasser, Liat Azani, Laurence S Freedman, Arie R Strassburger, Raphael Ron-El, Liat Lerner-Geva

Affiliations + expand

PMID: 21211796 DOI: 10.1016/j.fertnstert.2010.12.016

Abstract

This experimental prospective quasi-randomized study examining the impact of a medical clowning encounter after embryo transfer (ET) after in vitro fertilization (IVF) found that the pregnancy rate in the intervention group was 36.4%, compared with 20.2% in the control group (adjusted odds ratio, 2.67; 95% confidence interval, 1.36-5.24). Medical clowning as an adjunct to IVF-ET may have a beneficial effect on pregnancy rates and deserves further investigation.

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“ Cited by 10 articles

SUPPLEMENTARY INFO

④ 展開

MeSH terms, Substances, Grant support + expand

Publication types

> Randomized Controlled Trial

MeSH terms ⑤ 找出最貼近的MeSH

> Adult

> Embryo Transfer / methods

> Embryo Transfer / statistics & numerical data*

> Female

> Fertilization in Vitro / methods*

> Fertilization in Vitro / statistics & numerical data*

> Humans

> Infertility / epidemiology

> Infertility / psychology

> Infertility / therapy

> Laughter Therapy / methods*

> Male

> Middle Aged

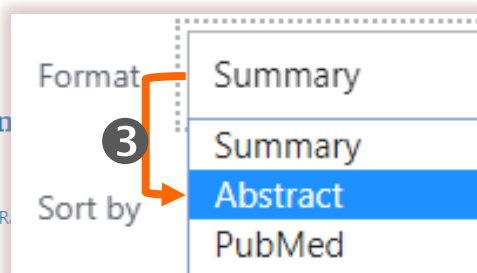
> Oocyte Retrieval / methods

> Pregnancy

> Pregnancy Rate*

> Stress, Psychological / complications

> Wit and Humor as Topic / psychology*



切換顯示模式

clown* OR

"Pig Brother Light" OR

"Chow Sing Chi" OR

"A-Ga" OR

Laughter OR

Laughter Therapy OR

Wit and Humor as Topic

Search

使用MeSH ④ 直接查MeSH Database

MeSH

Complementary Therapies

Therapeutic practices which are not currently considered an integr may lack biomedical explanations but as they become better rese; DIET; ACUPUNCTURE) become widely accepted whereas others important historical footnotes. Therapies are termed as Compleme and as Alternative when used instead of conventional treatment.

Year introduced: 2002(1986)

PubMed search builder options

[Subheadings:](#)

- ☐ adverse effects ☐ history ☐ psychology
☐ chemically induced ☐ instrumentation ☐ radiation effects

Entry Terms: 可供同義字參考

- Therapies, Complementary
- Therapy, Complementary
- Complementary Medicine
- Medicine, Complementary
- Alternative Medicine
- Medicine, Alternative
- Alternative Therapies
- Therapies, Alternative
- Therapy, Alternative

[All MeSH Categories](#)

[Analytical, Diagnostic and Therapeutic Techniques and Equipment Category](#)

[Therapeutics](#)

[Complementary Therapies](#) 1.6萬篇

[Acupuncture Therapy](#)

[Acupuncture Analgesia](#)

[Acupuncture, Ear](#)

[Electroacupuncture](#)

[Meridians +](#)

[Moxibustion](#)

[Anthroposophy](#)

[Sensory Art Therapies](#)

[Acoustic Stimulation](#)

[Aromatherapy](#)

[Art Therapy](#)

[Color Therapy](#)

[Dance Therapy](#)

[Music Therapy](#)

自動納入狹義詞檢索

22萬篇

Automatic Term Mapping

Search	Query	Results
#6	Search "cardio* disease*"	
#5	Search "cardiovascular diseases"	
#4	Search cardiovascular disease*	
#3	Search cardiovascular disease	
#2	Search cardiovascular diseases	
#1	Search cardiovascular	

哪項檢索結果最多？ 魔鬼細節在Details!

使用合適的關鍵字

方式(1) 分列同義詞與控制詞彙

	中文同義詞	英文同義詞	控制詞彙 MeSH
P 	妊娠、懷孕、 孕期、孕婦 糖尿病	GDM gestational diabetes pregnan* diabet*	Diabetes, Gestational
I 	身體活動 運動 瑜珈 游泳	physical activit* exercise yoga swim*	Exercise Swimming (狹義詞自動包含) Exercise Therapy Yoga
O 	血糖 糖化血色素	glycemic glycaemic blood glucose hba1c	Blood Glucose Glycated Hemoglobin A Glycemic Control

使用合適的關鍵字

方式(2) 混列同義詞與控制詞彙

	中文同義詞	英文同義詞 與 <u>控制詞彙 MeSH</u>
P	 妊娠、懷孕、 孕期、孕婦 糖尿病	GDM <u>gestational diabetes</u> pregnancy diabetes
I	 身體活動 運動 瑜珈 游泳	<u>physical activity</u> <u>exercise</u> <u>yoga</u> swim*
O	 血糖 糖化血色素	glycemic glycaemic <u>blood glucose</u> <u>hba1c</u>

畫底線提醒自己/他人已確認MeSH
同義詞可酌量列舉

自動比對到☺
Exercise[MeSH] OR Exercise Therapy[MeSH]

加*切截或"雙引號"、限定欄位，將停用比對MeSH
(swim 預設自動加入字尾與英美變化)

切截* 和 "片語"，寧可不用！

控制詞彙 + 自由詞彙

PubMed Advanced Search Builder

PubMed.gov

User Guide

Add terms to the query box

All Fields  Enter a search term 

ADD

Add with AND
Add with OR
Add with NOT

Show Index

Query box

1 Enter / edit your search query here

GDM OR gestational diabetes OR pregnan* diabet*

Search  2

Add to History

History and Search Details

Search	Actions	Details	Query	Results
#1	...	> 3	Search: GDM OR gestational diabetes OR pregnan* diabet*	44,464

Translations

控制詞彙 😊

4

gestational diabetes: "diabetes, gestational"[MeSH Terms] OR ("diabetes"[All Fields] AND "gestational"[All Fields]) OR "gestational diabetes"[All Fields] OR ("gestational"[All Fields] AND "diabetes"[All Fields])

組合檢索

PubMed Advanced Search Builder

PubMed.gov

User Guide

Add terms to the query box

All Fields 

Enter a search term 

ADD

- Add with AND
- Add with OR
- Add with NOT

Show Index

Query box

((GDM OR gestational diabetes OR pregnan* diabet*) **AND** (physical activit* OR exercise OR yoga OR swim*)) **AND** (glycemic OR glycaemic OR blood glucose OR hba1c)) #1 AND #2 AND #3 ⑤

Search 

Add to History 

History and Search Details

 Download  Delete

Search	Actions	Details	Query	Results	Time
#3	...	>	Search: glycemic OR glycaemic OR blood glucose OR hba1c	324,730	16:26:03
#2	...	>	Search: physical activit* OR exercise OR yoga OR swim*	773,493	16:25:40
#1	...	>	Search: GDM OR gestational diabetes OR pregnan* diabet*	44,464	16:13:47

組合檢索

Search	Query	Results
#5	#1 AND #2 P I	2,285
#4	#1 AND #2 AND #3 P I O	699
O	#3 glycemic OR glycaemic OR blood glucose OR hba1c	324,730
I	#2 physical activit* OR exercise OR yoga OR swim*	773,493
P	#1 GDM OR gestational diabetes OR pregnan* diabet*	44,464
	#0 gestational diabetes AND "physical activit*" AND glycemic control	49

先求完整，再往精準邁進 →

Search	Query
#3	glycemic OR
#2	physical act
#1	GDM OR ge
#0	gestational

一次檢索優點	vs.	分次檢索優點
快速 當對關鍵字有把握時		方便調整組合 避免某面向結果影響全局
PICO最佳黃金組合？！ 取決問題特性、時間、文獻需求目的與質量		

1. 至 Advanced 介面，輸入 P(ICO)檢索詞，並點開 Search Details，逐一檢查每個主題概念是否比對 MeSH 成功 (請截圖一例貼上)；並將成功比對到 MeSH 者標示於「II.檢索詞」

Search	Query
#3	glycemic OR glycaemic OR blood glucose OR hba1c
#2	physical activity OR exercise OR yoga OR swim
#1	GDM OR gestational diabetes OR pregnancy diabetes

↓

Translations
gestational diabetes: <u>"diabetes, gestational"[MeSH Terms] OR ("diabetes"[All Fields] AND "gestational"[All Fields]) OR "gestational diabetes"[All Fields] OR ("gestational"[All Fields] AND "diabetes"[All Fields])</u>

利用檢索功能提昇效率

- 布林邏輯
- 限定欄位
- 研究設計
- Filters & Limits (年齡/性別...)
- Similar Articles (權重滾出相關文章)

限定欄位

糖尿病 

- 篇名 Title
- 關鍵字 Keyword
- 摘要 Abstract
- 控制詞彙 (Emtree, MeSH)
- 全文 FullText
- 所有欄位 All Fields

哪一篇文章相關性高? (糖尿病)

智慧型觀光醫療服務推薦系統之設計與實作 資訊管理學報 16卷 (2009), 131-152

關鍵字：觀光醫療；推薦系統；資訊檢索；自動摘要；決策支援系統；

摘要：隨著經濟成長、人民生活水準的提高、醫學藥物進步，民眾的平均年齡已顯著的延長，銀髮族、樂活族人口逐漸增加，而國人疾病型態及死亡原因，也由原來的急性傳染病和急性疾病，轉變成慢性疾病，如心臟病、**糖尿病**、高血壓等。本研究有鑑於觀光醫療的未來需要...

應用跨理論模式照護一位糖尿病**患飲食之護理經驗** 護理雜誌 57卷 (2010), 87-92

關鍵字：跨理論模式；自我效能；生活型態

摘要：糖尿病是一典型需要終身自我管理的慢性病，對於一位缺乏糖尿病認知的個案，以跨理論模...

控制詞彙 (MeSH)：

Diabetes Mellitus

Diet, Diabetic

Female

Humans

Models, Psychological

Patient Education as Topic

Self Care

收放檢索: 限定 Title

- ☹ 同行內Query盡量為OR，相對單純
- ☹ 限定欄位不會自動加入字尾變化，需要請加切截*

PubMed Advanced Search Builder

PubMed.gov

User Guide

Add terms to the query box

Title **1** physical activit* OR exercise* OR yoga OR swim* **2** **3** ADD

Show Index

Query box

physical activit*[Title] OR exercise*[Title] OR yoga[Title] OR swim*[Title]

Add to History

收放檢索: 限定 MeSH / Major Topic

- ☺ 事先確認MeSH，並且一次一個MeSH
限定欄位
- ☹ 一行內輸入多個MeSH，將只有最後一個被限定在MeSH，其餘則在All Fields

Add terms to the query box

MeSH Major Topic → 含所有狹義詞 (且需為主要主題) ⑥
 MeSH Subheading → 含所有狹義詞 ⑧
 MeSH Terms → 含所有狹義詞 ⑩

exercise therapy ⑦

yoga ⑨

physical activit*[Title] OR exercise*[Title] OR yoga[Title] OR swim*[Title]
 OR exercise[MeSH Major Topic] OR exercise therapy[MeSH Major Topic] OR yoga[MeSH Major Topic]

⑪ Add to History

Show Index

Search	Query	Results
#9	#7 AND #8 AND #9 ⑫	103
#8	glycemic OR glycaemic OR blood glucose OR hba1c	324730
#7	physical activit*[Title] OR exercise*[Title] OR yoga[Title] OR swim*[Title] OR (exercise[MeSH Major Topic] OR exercise therapy[MeSH Major Topic] OR yoga[MeSH Major Topic])	220564
#6	GDM[Title] OR gestational diabetes[Title] OR pregnan* diabet*[Title] OR gestational diabetes[MeSH Terms]	24483

限定欄位 DIY

☺ 事先確認MeSH，並且一行一個MeSH
 ☹ 一行內輸入多個MeSH，將只有最後一個被限定在MeSH，其餘則在All Fields

Add terms to the query box

MeSH Terms **4** MeSH Major Topic **5** exercise **5**

Query

physical activit*[**ti**] OR exercise*[**ti**] OR
 yoga[**ti**] OR swim*[**ti**] OR
 exercise[**mj**] OR
 exercise therapy[**mj**] OR yoga[**mj**]

Search

Results

#9 #7 AND #8 AND #9 **12**

#8 glycemic OR glycaemic OR blood glucose OR hba1c 324730

#7 (physical activit*[Title] OR exercise*[Title] OR yoga[Title] OR swim*[Title]) OR (exercise[MeSH Major Topic] OR exercise therapy[MeSH Major Topic] OR yoga[MeSH Major Topic]) 220564

#6 (GDM[Title] OR gestational diabetes[Title] OR pregnan* diabet*[Title]) OR (gestational diabetes[MeSH Terms]) 24483

限定欄位 DIY

☺ 事先確認MeSH，並且一行一個MeSH

☹ 一行內輸入多個MeSH，將只有最後一個被限定在MeSH，其餘則在All Fields

Add terms to the query box

MeSH Terms

MeSH Major Topic

exercise

Query

phys

OR

Search

physical activit*[ti] OR exercise*[ti] OR
yoga[ti] OR swim*[ti] OR
exercise[mh] OR
exercise therapy[mh] OR yoga[mh]

6 8 10

OR

Show Index

Search

Results

103

324730

220564

24483

#9 #7 AND #8 AND #9

#8 glycemic OR glycaemic OR blood glucose OR hba1c

#7 (physical activit*[Title] OR exercise*[Title] OR yoga[Title] OR swim*[Title]) OR
(exercise[MeSH Major Topic] OR exercise therapy[MeSH Major Topic] OR
yoga[MeSH Major Topic])

#6 (GDM[Title] OR gestational diabetes[Title] OR pregnan* diabet*[Title]) OR
(gestational diabetes[MeSH Terms])

檢索對應欄位

> Diabetes Metab Syndr. Jul-Aug 2019;13(4):2775-2784. doi: 10.1016/j.dsx.2019.07.040.
Epub 2019 Jul 25.

自由詞彙

Dietary and Exercise Interventions and Glycemic Control
and Maternal and Newborn Outcomes in Women
Diagnosed With Gestational Diabetes: Systematic Review

[ti]

Sabika S Allehdan ¹, Asma S Basha ², Fida F Asali ³, Reema F Tayyem ⁴

Affiliations + expand

PMID: 31405707 DOI: 10.1016/j.dsx.2019.07.040

Abstract

Gestational diabetes mellitus (GDM) is one of the most common complication of pregnancy and can lead to significant perinatal mortalities as well as long term risk of comorbidities for both mother and her offspring. This systematic review aimed to explore whether combined diet and exercise interventions are associated with improved glycemic control and/or improved maternal and newborn outcomes in women with GDM when compared to dietary interventions. A search on combined diet and exercise interventions during pregnancy in women with GDM was performed in 3 electronic databases: PubMed (NCBI), ScienceDierct, and the Cochrane Library. Evaluated outcomes were fasting blood glucose levels, postprandial blood glucose levels, glycated hemoglobin percentages, total weight gain during pregnancy, proportion of caesarean delivery, proportion of patients needing insulin, neonatal birth weight, proportion of macrosomia, neonatal hypoglycemia, and preterm birth. This systematic review identified eight randomized, controlled trials involving 592 pregnant women

[tiab]

控制詞彙

Publication types

> Systematic Review

MeSH terms [mesh]

- > Blood Glucose / analysis
- > Diabetes, Gestational / diagnosis
- > Diabetes, Gestational / therapy*
- > Diet*
- > Exercise*
- > Female
- > Humans
- > Hyperglycemia / blood →
- > Hyperglycemia / prevention & control* →
- > Hypoglycemia / blood
- > Hypoglycemia / prevention & control*
- > Infant, Newborn
- > Pregnancy
- > Prognosis

[major]

[subheading]

4. 將 PICO 局部或全部面向，限定在高相關性欄位 [ti] [mh] [mj]

「下拉選單」或「語法DIY」2擇1即可

限定欄位 *Title*

☺ 一行內Query為OR，不混搭AND，相對單純
☺ 限定欄位則不會自動加入字尾變化，可加切截 *

PubMed Advanced Search Builder PubMed.gov
User Guide

Add terms to the query box

Title **1** **2** **3** ADD Show Index

Query box

physical activit*[Title] OR exercise*[Title] OR yoga[Title] OR swim*[Title] **Add to History**

限定欄位 *MeSH / MeSH Major Topic*

☺ 事先確認MeSH，並且一行一個MeSH
☺ 一行內輸入多個MeSH，將只有最後一個被限定在MeSH，其餘則在All Fields

Add terms to the query box

MeSH Terms **4** **5** **6** **8** **10** OR Show Index

MeSH Major Topic
MeSH Subheading
MeSH Terms

exercise therapy **7**
yoga **9**

Query box

physical activit*[Title] OR exercise*[Title] OR yoga[Title] OR swim*[Title]
OR exercise[MeSH Major Topic] OR exercise therapy[MeSH Major Topic] OR yoga[MeSH Major Topic] **11** **Add to History**

Search	Query	Results
#9	#7 AND #8 AND #9 12	103
#8	glycemic OR glycaemic OR blood glucose OR hba1c	324730
#7	(physical activit*[Title] OR exercise*[Title] OR yoga[Title] OR swim*[Title]) OR (exercise[MeSH Major Topic] OR exercise therapy[MeSH Major Topic] OR yoga[MeSH Major Topic])	220564
#6	(GDM[Title] OR gestational diabetes[Title] OR pregnan* diabet*[Title]) OR (gestational diabetes[MeSH Terms])	24483

52

Filters

謹慎：套用後，**In process**、**supplied by publisher**、**非Medline** 的文獻，
將被排除～ 因為此機制是針對已完成Medline索引程序的書目所設計

TEXT AVAILABILITY

- ☐ Abstract
- ☐ Free full text
- ☐ Full text

ARTICLE ATTRIBUTE

- ☐ Associated data

ARTICLE TYPE

- ☐ Books and Documents
- ☐ Clinical Trial
- ☐ Meta-Analysis
- ☐ Randomized Controlled Trial
- ☐ Review
- ☐ Systematic Reviews

PUBLICATION DATE

- ☐ 1 year
- ☐ 5 years
- ☐ 10 years

Additional filters

Reset all filters

glucose and may delay insulin initiation for women with GDM. ...Low- to moderate-intensity exercise during pregnancy safely improves glycemic control among ...

“ “

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review and meta-analysis.

ARTICLE TYPE

☐ Address	☐ Introductory Journal Article
☐ Autobiography	☐ Journal Article
☐ Bibliography	☐ Lecture
☐ Biography	☐ Legal Case
☐ Case Reports	☐ Legislation
☐ Classical Article	☐ Letter
☐ Clinical Conference	☐ Multicenter Study
☐ Clinical Study	☐ News
☐ Clinical Trial Protocol	☐ Newspaper Article
☐ Clinical Trial, Phase	☐ Observational Study
☐ Clinical Trial, Phase	☐ Observational Study, Veterinary
☐ Clinical Trial, Phase	☐ Overall
☐ Clinical Trial, Phase	☐ Patient Education Handout

Cancel Show

客製化文獻快篩 NCKU Filters ≡ Clinical Queries

<https://pubmed.ncbi.nlm.nih.gov/?otool=itwxtailib&myncbishare=nckulib>



MY NCBI FILTERS

Save

Email

Send to

Sorted by: Best match

Display options

103 results

All (103)

----- EBM Filtered Resour -----

ACP J + EBM J + DARE (0)

Guideline (3)

Systematic Review (13)

>> Cochrane Review (3)

----- EBM Unfiltered Resour -----

TherapyRCT (46)

TherapyClinical Trial (83)

Diagnosis (60)

Prognosis (16)

Etiology (115)

Costs (6)

SDM 醫病決策 (1)

亞洲/東亞文獻 (34)

NCKU Publications (0)

尚無 MeSH (新進/加工中) (18)

最佳化快篩僅供參考，仍須再判斷。需客製化請設定MyNCBI或洽成大醫圖 (0)



Exercise for pregnant women with gestational diabetes for improving maternal and fetal outcomes.

1

Brown J, Ceysens G, Boulvain M.

Cochrane Database Syst Rev. 2017 Jun 22;6(6):CD012202. doi: 10.1002/14651858.CD012202.pub2.

PMID: 28639706 **Free PMC article.** Review.

Exercise interventions may be useful in helping with **glycaemic** control and improve maternal and infant outcomes. The original review on Exercise for diabetic **pregnant** women has been split into two new review titles reflecting the role of exercise for **pregnant** ...

“ Cite Share



Effect of Physical Activity and/or Healthy Eating on GDM Risk: The DALI Lifestyle Study.

2

Simmons D, Devlieger R, van Assche A, Jans G, Galjaard S, Corcoy R, Adelantado JM, Dunne F, Desoye G, Harreiter J, Kautzky-Willer A, Damm P, Mathiesen ER, Jensen DM, Andersen L, Lapolla A, Dalfrà MG, Bertolotto A, Wender-Ozegowska E, Zawiejska A, Hill D, Snoek FJ, Jelsma JG, van Poppel MN.

J Clin Endocrinol Metab. 2017 Mar 1;102(3):903-913. doi: 10.1210/jc.2016-3455.

PMID: 27935767 **Free PMC article.** Clinical Trial.

PATIENTS: Consecutive **pregnant** women at <20 weeks of gestation with a body mass index (BMI) of ≥29 kg/m² and without GDM using the International Association of Diabetes and **Pregnancy** Study

(publisher[sb] OR
inprocess[sb] OR
pubmednotmedline[sb])



檢索策略: 廣 ↔ 精

Search	Query	Results
#13	#9 Filters: Meta-Analysis, Randomized Controlled Trial, Systematic Reviews 左側Filters	40
#12	#9 My (NCKU) NCBI Filters: Therapy · RCT	46
#11	#9 My (NCKU) NCBI Filters: Therapy · Clinical Trials	83
#10	#9 My (NCKU) NCBI Filters: Systematic Review	13
} ≡ Clinical Queries		
#9	(GDM[ti] OR gestational diabetes[ti] OR pregnan* diabet*[ti] OR gestational diabetes[mesh]) AND (physical activit*[ti] OR exercise*[ti] OR yoga[ti] OR swim*[ti] OR exercise[major] OR exercise therapy[major] OR yoga[major]) AND (glycemic OR glycaemic OR blood glucose OR hba1c) 限定高相關欄位	103
#5	#1 AND #2	2285
#4	#1 AND #2 AND #3	699
} 彈性組合PICO		
O #3	glycemic OR glycaemic OR blood glucose OR hba1c	324730
I #2	physical activit* OR exercise OR yoga OR swim*	773493
P #1	GDM OR gestational diabetes OR pregnan* diabet*	44464
#0	gestational diabetes AND "physical activit*" AND glycemic control 幼幼PICO	49
} 使用MeSH, 同義字		

5. 限定研究設計或其他條件

6. 評估檢索結果：相關性 vs. 數量

精準

- 縮小問題範圍
- 全部主題面向都輸入
- 適當使用AND、NOT
- 採用控制詞彙
- 搜尋高相關性欄位
- 改用更特定(狹義)詞
- 限定Subheading (MeSH)
- 增加限制條件
- 套用篩選器

檢索策略？



完整

- 放寬問題範圍
- 擇主要主題面向輸入
- 適當使用OR
- 兼用控制/自由詞彙
- 搜尋所有欄位 (+ 全文)
- 更多同義詞 (含切截*)
- 使用廣義詞
- 包含狹義詞
- 減少限制條件
- Similar articles

搜尋的評分標準

1. 使用合適的關鍵字

- 自由詞彙 = 同義詞 (英文切截*於PubMed禁忌使用；中文斷詞)
- 控制詞彙 (MeSH, Emtree)

2. 清楚地敘述選擇資料庫的理由，以及相對應的檢索策略

- Model: Filtered + Unfiltered Resources
- 找更廣 vs. 找更精 (呈現檢索歷程) □ 本土資料

3. 利用各種檢索功能提升搜尋效率

- 布林邏輯 □ 限定欄位 □ 研究設計 □ Filters & Limits

4. 清楚地描述挑選文獻的歷程與理由，以及能否回答臨床提問

- 挑選歷程摘要/篩選流程圖 □ PICO符合 □ 證據等級



方靜如

成大醫學圖書分館—參考館員

flora@ncku.edu.tw

<https://orcid.org/0000-0002-7892-8840>