

PubMed

Base de données bibliographiques en sciences biomédicales

Valérie DURIEUX, PhD - valerie.durieux@ulb.be

Spécialiste de l'information documentaire en Sciences de la Santé

Dép. des bibliothèques et de l'information scientifique





Formuler une équation de recherche - rappel

LES GRANDES ÉTAPES

1. Identifier les concepts
2. Formuler les concepts
3. Combiner les concepts

Si les résultats obtenus ne sont pas satisfaisants

4. Reformuler son équation de recherche
(ex. : élargir/restreindre)

1. IDENTIFIER LES CONCEPTS

Exemples de méthodes

Méthode des 3QOCP

1. De QUI s'agit-il ?
2. De QUOI s'agit-il ?
3. QUAND cela s'est-il passé ?
4. OU cela s'est-il passé ?
5. COMMENT cela s'est-il passé ?
6. POURQUOI cela est-il arrivé ?

1. IDENTIFIER LES CONCEPTS

Exemples de méthodes

Méthode PICO

P = Pathologie, population, patients, problème

I = intervention

C = comparaison

O = outcomes, objectifs

2. FORMULER LES CONCEPTS

- En langage scientifique courant → mots clés
 - Tous les outils

- En langage contrôlé → descripteurs
 - *Art Index*
 - *Academic Search Premier*
 - *Medline/PubMed (MeSH)*
 - *MLA International Bibliography*
 - ...

Techniquement

A diagram illustrating the decomposition of a square into a sum of squares and a circle. It shows a square on the left, followed by an arrow pointing to a sum of three terms: a square with a vertical double-headed arrow, a square with a horizontal double-headed arrow, and a circle. The entire diagram is underlined with a red wavy line.

[illegible][illegible][illegible]
$$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$$
[illegible][illegible]

En pratique

Obligation pour l'utilisateur de :

- Envisager tous les synonymes (ex.: *stérilité/infertilité*)
- Envisager toutes les variantes
 - Singulier / pluriel
 - Nom / adjectif
 - Masculin / féminin
 - Abréviation / nom complet (ex.: *AVC/accident vasculaire cérébral*)
- Soigner l'orthographe

ATTENTION À L'ORTHOGRAPHE

PubMed.gov "aggressive behavior"[title/abstract] Search

Advanced Create alert

Save Email ... Sort by Best match Most recent

MYNCBI FILTERS 9 results

All (9)
Free Full Text (0)
Review (1)

RESULTS BY YEAR

1 ☐ LEPTIN PROMOTES A MORE **AGGRESSIVE BEHAVIOR** OF OVARIAN CANCER CELLS: A POTENTIAL EXPLANATION FOR A WORSE PROGNOSIS IN OBESE OVARIAN CANCER PATIENTS: IGCS-0095 Ovarian Cancer.
Cuello-Fredes M, et al. Int J Gynecol Cancer 2015. PMID 25955943

“ Cite Share

PubMed.gov "aggressive behavior"[title/abstract] Search

Advanced Create alert

Save Email ... Sort by Best match Most recent

MYNCBI FILTERS 10,343 results

La syntaxe

- Troncature (généralement signifiée par *)
 - Signe qui remplace zéro, un ou plusieurs caractères d'un mot
 - Ex.: *cancer** ramène *cancer, cancers, cancéreux, cancéreuses*, etc.
- Masque (généralement signifié par # ou ?)
 - Signe qui remplace un seul caractère d'un mot
 - Ex. : *wom?n* ramène *women, woman*
- Guillemets (" ")
 - Utilisés pour la recherche d'expression exacte
 - Ex. : "accident vasculaire cerebral"

!! Chaque outil a sa propre syntaxe de recherche !!

3. COMBINER LES CONCEPTS



Les opérateurs booléens

Union



OR

Intersection



AND

Exclusion



NOT, AND NOT

!! Privilégier l'utilisation de l'anglais et des majuscules !!

3. COMBINER LES CONCEPTS

Les parenthèses

Indispensables quand différents opérateurs booléens

*Le rôle de la **laparoscopie** dans le ~~bilan~~ de **stérilité***

=	=	=
cœlioscopie	diagnostic	infertilité
célioscopie		

Équation :

(laparoscopi* OR cœlioscopi* OR celioscopi*) AND (steril* OR infertil*)
AND diagnosti*

3. COMBINER LES CONCEPTS



Les guillemets

Pour la recherche d'expression exacte

La prévention des AVC
= =

prophylaxie accident vasculaire cérébral

Équation :

(AVC OR "accident vasculaire cerebral" OR "accidents
vasculaires cerebraux") AND (preventi* OR prophyla*)

!! Pas de troncature à l'intérieur des guillemets !!

4. REFORMULER L'ÉQUATION

- Trop de résultats non pertinents = bruit documentaire
 - Ajouter des concepts combinés à l'aide du AND
 - Appliquer une ou plusieurs limites (ex. : date de publication)
- Trop peu de résultats = silence documentaire
 - Supprimer les concepts trop discriminants
 - Ajouter des synonymes combinés à l'aide du OR

!! Il n'existe pas une équation unique et parfaite pour chaque question de recherche ; l'important est d'atteindre un juste équilibre entre bruit et silence !!

EXHAUSTIVITÉ VS PRÉCISION

Recherche exhaustive = trouver tout ce qui a été publié sur le sujet

$$\text{Sensibilité} = \frac{\text{N articles trouvés}}{\text{N articles pertinents}}$$

Recherche précise = tous les articles trouvés répondent à la question

$$\text{Spécificité} = \frac{\text{N articles pertinents}}{\text{N articles trouvés}}$$

Recherche exhaustive ET précise = compromis

EXHAUSTIVITÉ VS PRÉCISION



Recherche rapide au lit du patient	Revue systématique de littérature
= recherche précise	= recherche exhaustive
Grande tolérance au silence documentaire	Grande tolérance au bruit documentaire
Interrogation d'une seule source	Interrogation de plusieurs sources
Utilisation du vocabulaire contrôlé <u>OU</u> d'un nombre restreint de synonymes	Utilisation du vocabulaire contrôlé <u>ET</u> d'un maximum de synonymes
Utilisation de concepts discriminants	Abandon des concepts discriminants
Consultation d'un nombre limité d'articles	Consultation illimitée d'articles ET recherche complémentaire dans les bibliographies

EXEMPLE

Formulation de l'équation de recherche en langage courant en anglais
pour trouver de l'information concernant
la prévention du diabète de grossesse par la marche à pied

Concepts	Synonymes	Formulés
Prévention	Prevention ; preventive measures ; preventive therapy ; prophylaxis ; prophylactic	Preventi* OR prophyla*
Diabète de grossesse	Gestational diabetes ; pregnancy- induced diabetes ; pregnancy induced diabetes	"gestational diabetes" OR "pregnancy induced diabetes"
Marche à pied	Walk ; walking	walk OR walking

(preventi* OR prophyla*) AND ("gestational diabetes" OR "pregnancy induced diabetes") AND (walk OR walking)

ULB

LEARNING
RESOURCES



BIBLIOTHÈQUES
& INFORMATION
SCIENTIFIQUE

PubMed

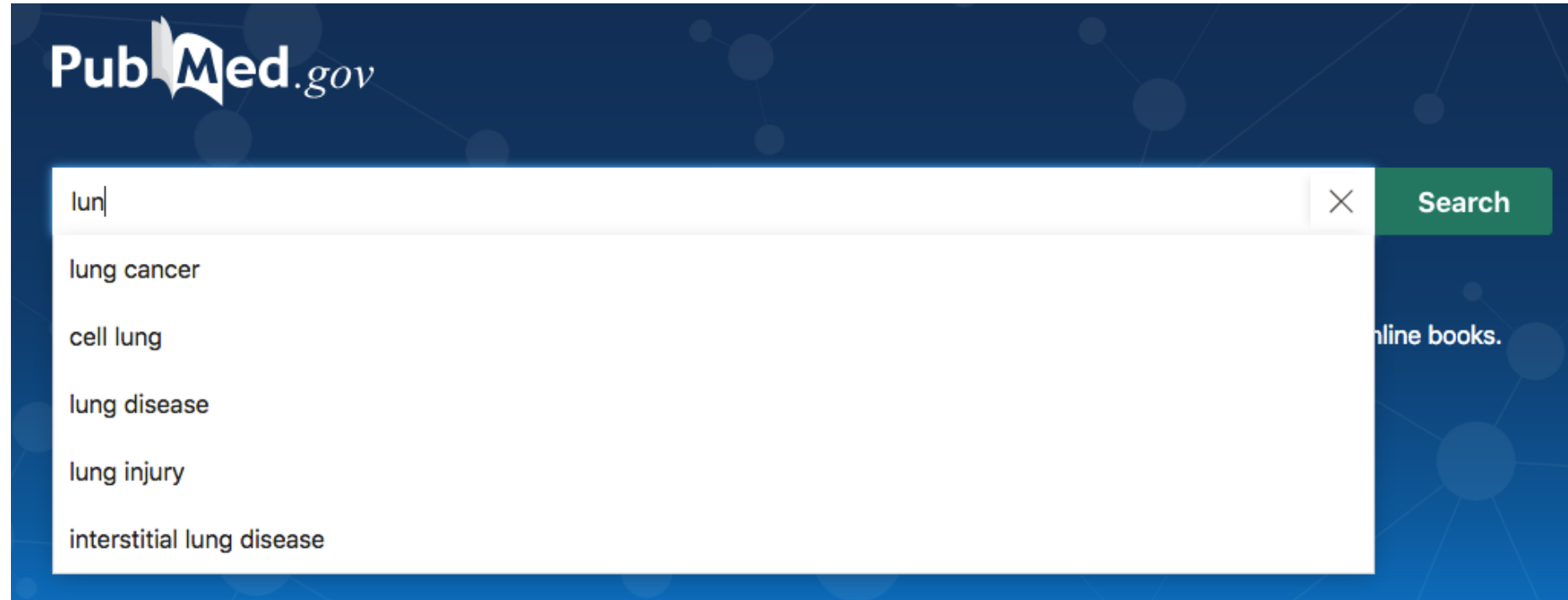


PUBMED/ MEDLINE

- PubMed est une interface gratuite donnant accès à la bdd Medline
- Medline recense les références bibliographiques et les résumés d'articles de plus de 5.200 périodiques en sciences biomédicales
- Indexation des références au moyen des MeSH (Medical Subject Headings)
- N.B. : la recherche s'effectue uniquement en anglais ; les titres et les abstracts ont été traduits

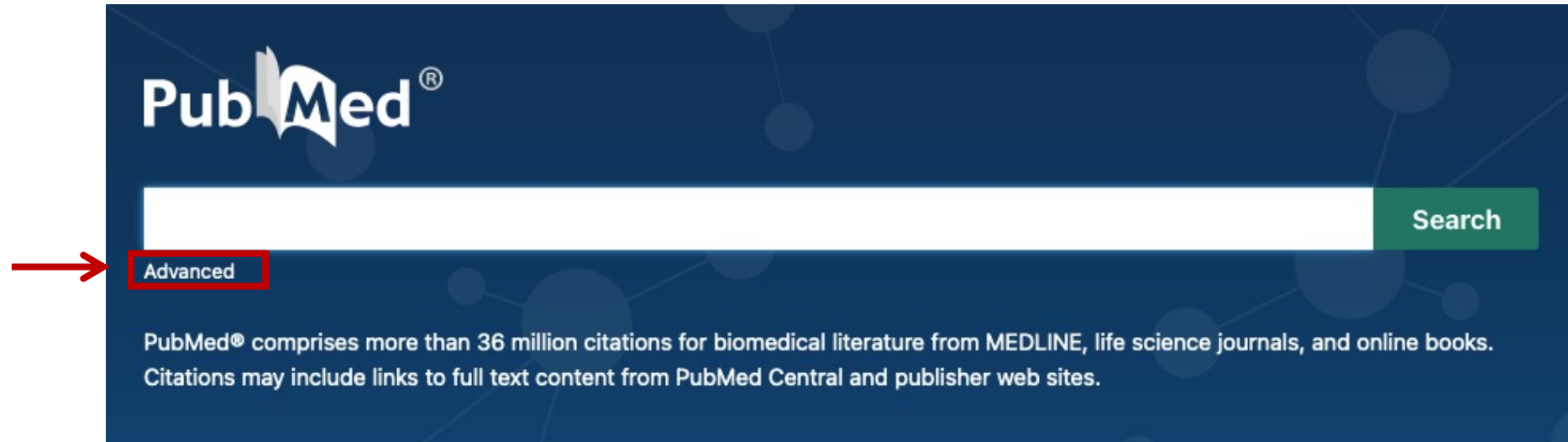


RECHERCHE SIMPLE



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

RECHERCHE AVANCÉE



The image shows the 'PubMed Advanced Search Builder' interface. It features a header with the PubMed logo and the text 'PubMed Advanced Search Builder'. Below the header, there is a section titled 'Add terms to the query box'. This section contains a dropdown menu labeled 'All Fields', a text input field labeled 'Enter a search term', and a blue 'ADD' button with a downward arrow. Below this section is a 'Query box' with a large text input field labeled 'Enter / edit your search query here' and a blue 'Search' button with a downward arrow. To the right of the 'ADD' button is a link labeled 'Show Index'.

} Recherche
par
champs

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

RECHERCHE AVANCÉE



PubMed Advanced Search Builder

Add terms to the query box

All Fields

Enter a search term

Query box

Enter / edit your search query here

Affiliation

✓ All Fields

Author

Author – Corporate

Author – First

Author – Full

Author – Identifier

Author – Last

Book

Date – Completion

Date – Create

Date – Entrez

Date – MeSH

Date – Modification

Date – Publication

EC/RN Number

Editor

Filter

Grant Number

ISBN

Investigator

Investigator – Full

Issue

Journal

Language

Location ID

MeSH Major Topic

MeSH Subheading

MeSH Terms

Other Term

Pagination

Pharmacological Action

Publication Type

Publisher

Secondary Source ID

Supplementary Concept

Text Word

Title

Title/Abstract

Transliterated Title

Volume

Text Words = recherche dans les champs *Title, Abstract, MeSH headings and Subheadings, Chemical Names of substances, Personal name as Subject.*

Loss of DUSP2 predicts a poor prognosis in patients with bladder cancer.

Yin H¹, He W², Li Y³, Xu N⁴, Zhu X², Lin Y⁵, Gou X⁶.

Author information

- 1 Department of Urology, the First Affiliated Hospital of Chongqing Medical University, Chongqing 400016, China; Chongqing Key Laboratory of Molecular Oncology and Epigenetics, The First Affiliated Hospital of Chongqing Medical University, Chongqing 400016, China.
- 2 Department of Urology, the First Affiliated Hospital of Chongqing Medical University, Chongqing 400016, China.
- 3 Chongqing Key Laboratory of Molecular Oncology and Epigenetics, The First Affiliated Hospital of Chongqing Medical University, Chongqing 400016, China.
- 4 Departments of Urology, First Affiliated Hospital of Fujian Medical University, Fuzhou, - PR China.
- 5 Molecular Biology and Lung Cancer Program, Lovelace Respiratory Research Institute, Albuquerque, NM 87108, USA.
- 6 Department of Urology, the First Affiliated Hospital of Chongqing Medical University, Chongqing 400016, China. Electronic address: gouxincq@163.com.

Abstract

Dual-specificity phosphatase 2 (DUSP2), a member of nuclear type I DUSP family, abolishes the activation of mitogen-activated protein kinases (MAPKs) and plays critical roles in the immune processes, inflammatory responses and cancer progression. Currently, whether DUSP2 is involved in pathogenesis of bladder cancer remains unclear. In this study, we demonstrate that the expression level of DUSP2 was predominantly down-regulated in bladder cancer tissues and cell lines as compared with that of paired normal tissues and benign urothelial cells. Besides, the expression of DUSP2 was significantly associated with pathological grade ($P=.009$), AJCC stage ($P=.017$) and subtype ($P=.001$) in the Cancer Genome Atlas (TCGA) cohort and mainly related to TNM stage ($P=.016$) in the tissue-microarray (TMA) cohort. Kaplan-Meier analysis suggested that patients with low DUSP2 expression had a shorter 5-years overall survival ($P=.018$ in TCGA; $P=.012$ in TMA) and lower recurrence-free survival ($P=.008$). Cox regression analysis indicated that reduced DUSP2 was an independent high risk factor for survival prognosis in both cohorts. Taken together, our findings for the first time suggested that DUSP2 as a progression and prognosis biomarker for bladder cancer. Whether DUSP2 functions as a tumor suppressor in bladder cancer deserves further studies.

Une recherche sur "Lung cancer"[tiab] ou sur "Lung cancer"[tw] n'aurait pas ramené cet article!

HISTORIQUE

Sur l'écran de recherche avancée

History and Search Details						Download	Delete
Search	Actions	Details	Query	Results	Time		
#3	...	>	Search: gastrulation [Title/Abstract] Sort by: Most Recent	6,228	09:31:44		
#2	...	>	Search: fish [Title/Abstract] OR fishes [Title/Abstract] Sort by: Most Recent	172,381	09:31:20		
#1	...	>	Search: mouse [Title/Abstract] OR mice [Title/Abstract] Sort by: Most Recent	1,216,169	09:30:59		



EXEMPLE

Vous cherchez des articles concernant la gastrulation
chez la souris et le poisson

1^{er} concept = gastrulation → sujet

2^{ème} concept = mouse → sujet

3^{ème} concept = fish → sujet

Équation :

gastrulation AND (mouse OR mice OR fish OR fishes)

PROCÉDURE

Add terms to the query box

Text Word  gastrulation 

ADD 

Show Index

Query box

Enter / edit your search query here

Search 

Revenir à l'écran de la recherche avancée

Add terms to the query box

Text Word  mouse OR mice 

ADD 

Cliquer sur « Search », puis revenir à l'écran de la recherche avancée

Add terms to the query box

Text Word  fish OR fishes 

ADD 

Cliquer sur « Search », puis revenir à l'écran de la recherche avancée

PROCÉDURE (SUITE)

Construction de l'équation sur base de l'historique de recherche

Query box

#1 AND (#2 OR #3)|

×

Search

History and Search Details

Download

Delete

Search	Actions	Details	Query	Results	Time
#3	...	>	Search: fish [Text Word] OR fishes[Text Word]	254,267	08:33:10
#2	...	>	Search: mouse [Text Word] OR mice[Text Word]	2,060,271	08:32:52
#1	...	>	Search: gastrulation [Text Word]	7,319	08:32:35

EXEMPLE

Vous cherchez des articles écrit par Jacques Devière
concernant l'endoscopie

1^{er} concept = Jacques Devière → auteur

2^{ème} concept = endoscopy → sujet

PROCÉDURE



Add terms to the query box

Author "deviere j"

ADD

N.B. : respecter la forme "*nom et initiale du prénom*" !!!

Add terms to the query box

Text Word endoscop*

AND

Query box

"deviere j"[Author]

Search

Query box

("deviere j"[Author]) AND (endoscop*[Text Word])

Search

EXEMPLE

Vous cherchez des articles publiés dans *Stroke* ces 10 dernières années concernant la prévention des AVC

1^{er} concept = *Stroke* → Titre du périodique

2^{ème} concept = 2014 à 2024 inclus → Date de publication

3^{ème} concept = prevention → sujet

4^{ème} concept = stroke → sujet

PROCÉDURE

Add terms to the query box

Journal

stroke

×

stroke (22,808)

AND

Show Index

N.B. : Choisir la valeur dans l'index

Add terms to the query box

Text Word

prevent* OR prophyla*

×

AND

Show Index

Add terms to the query box

Text Word

stroke OR "cerebrovascular accident" OR "cerebrovascular accidents"

×

AND

Query box

((("stroke"[Journal]) AND (prevent*[Text Word] OR prophyla*[Text Word])) AND (stroke[Text Word] OR "cerebrovascular accident"[Text Word] OR "cerebrovascular accidents"[Text Word]))

×

Search

PROCÉDURE (SUITE)



[Advanced](#)
[Create alert](#)
[Create RSS](#)
[User Guide](#)

Sort by:

MY NCBI FILTERS
1,040 results
Page 1 of 104

RESULTS BY YEAR

2012 2024

☐ 1
Cite
Share

2021 Guideline for the **Prevention of Stroke** in Patients With **Stroke** and Transient Ischemic Attack: A Guideline From the American Heart Association/American **Stroke** Association.

Kleindorfer DO, Towfigh A, Chaturvedi S, Cockcroft KM, Gutierrez J, Lombardi-Hill D, Kamel H, Kernan WN, Kittner SJ, Leira EC, Lennon O, Meschia JF, Nguyen TN, Pollak PM, Santangeli P, Sharrief AZ, Smith SC Jr, Turan TN, Williams LS.

Stroke. 2021 Jul;52(7):e364–e467. doi: 10.1161/STR.0000000000000375. Epub 2021 May 24.

PMID: 34024117

[Free article.](#)
[Review.](#)

No abstract available.

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 Review

☐ 2
Cite
Share

Guidelines for the Early Management of Patients With Acute Ischemic **Stroke**: 2019 Update to the 2018 Guidelines for the Early Management of Acute Ischemic **Stroke**: A Guideline for Healthcare Professionals From the American Heart Association/American **Stroke** Association.

Powers WJ, Rabinstein AA, Ackerson T, Adeoye OM, Bambakidis NC, Becker K, Biller J, Brown M, Demaerschalk BM, Hoh B, Jauch EC, Kidwell CS, Leslie-Mazwi TM, Ovbiagele B, Scott PA, Sheth KN, Southerland AM, Summers DV, Tirschwell DL.

Stroke. 2019 Dec;50(12):e344–e418. doi: 10.1161/STR.0000000000000211. Epub 2019 Oct 30.

PMID: 31662037

[Free article.](#)

These guidelines supersede the 2013 Acute Ischemic **Stroke** (AIS) Guidelines and are an update of the 2018 AIS Guidelines. ...The guidelines support the overarching concept of **stroke** systems of care in both the prehospital and hospital settings. ...

LES LIMITES

MYNCBI FILTERS

All (48)

Free Full Text (10)

Review (7)

RESULTS BY YEAR

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

1

Regenerative Medicine Approaches for Age-Related Sarcopenia: A Mini-Review

Naranjo JD, et al. *Gerontology* 2017 - Review. PMID 28848150

Sarcopenia is a complex and multifactorial disease that involves the loss of muscle mass and strength, and age-related muscle weakness, increased frailty, and increased risk for fractures. Identification and modification of risk factors to prevent the disease, but these efforts are of limited value to the elderly individuals currently affected by sarcopenia. ...

Cite Share

2

Fall incidence in frail older women after individualized visual feedback-based balance training.

Sihvonen S, et al. *Gerontology* 2004 - Clinical Trial. PMID 15477703

Balance measurements were carried out before and after a 4-week training period and falls were monitored by monthly diaries for 1 year. ...CONCLUSION: Individualized visual feedback-based balance training was shown to be a promising method for fall prevention among frail older women. ...

Cite Share

3

Reading from the Black Box: What Sensors Tell Us about Resting after Real-World Falls.

Schwickert L, et al. *Gerontology* 2018. PMID 28848150

The findings are also important for redesigning emergency response processes and to better support individuals in case of an unrecovered fall. This is crucial for preventing and other fall-related incidents that require an automated fall alarm....

Cite Share

4

Concern about falling in older women with a history of falls: association with health, functional ability, physical activity and quality of life.

Patil R, et al. *Gerontology* 2014 - Clinical Trial. PMID 24107382

METHODS: Baseline data of 409 women aged 70-80 years recruited to a randomised controlled prevention trial (DEX) (NCT00986466) were used. Participants were classified according to level of concern about falling using the Falls Efficacy Scale International (FES-I) ...

Cite Share

5

Concern about falling and complexity of free-living physical activity in Well-Functioning Older Adults.

Paraschiv-Ionescu A, et al. *Gerontology* 2018. PMID 29972821 Free PMC article.

To effectively prevent such negative consequences, it is important to understand how even very low concern about falling could affect physical activity behavior in everyday life. ...

Cite Share

Your PubMed filter list

Create custom filter

Active	Name	Type
☒	Free Full Text	Standard filter
☒	Review	Standard filter

ARTICLE TYPE

SPECIES

LANGUAGE

SEX

SUBJECT

JOURNAL

AGE

☐ Address
 ☐ Autobiography
 ☐ Bibliography
 ☐ Biography
 ☐ Case Reports
 ☐ Classical Article
 ☐ Clinical Conference
 ☐ Clinical Study
 ☐ Clinical Trial Protocol
 ☐ Clinical Trial, Phase I
 ☐ Clinical Trial, Phase II
 ☐ Clinical Trial, Phase III
 ☐ Clinical Trial, Phase IV

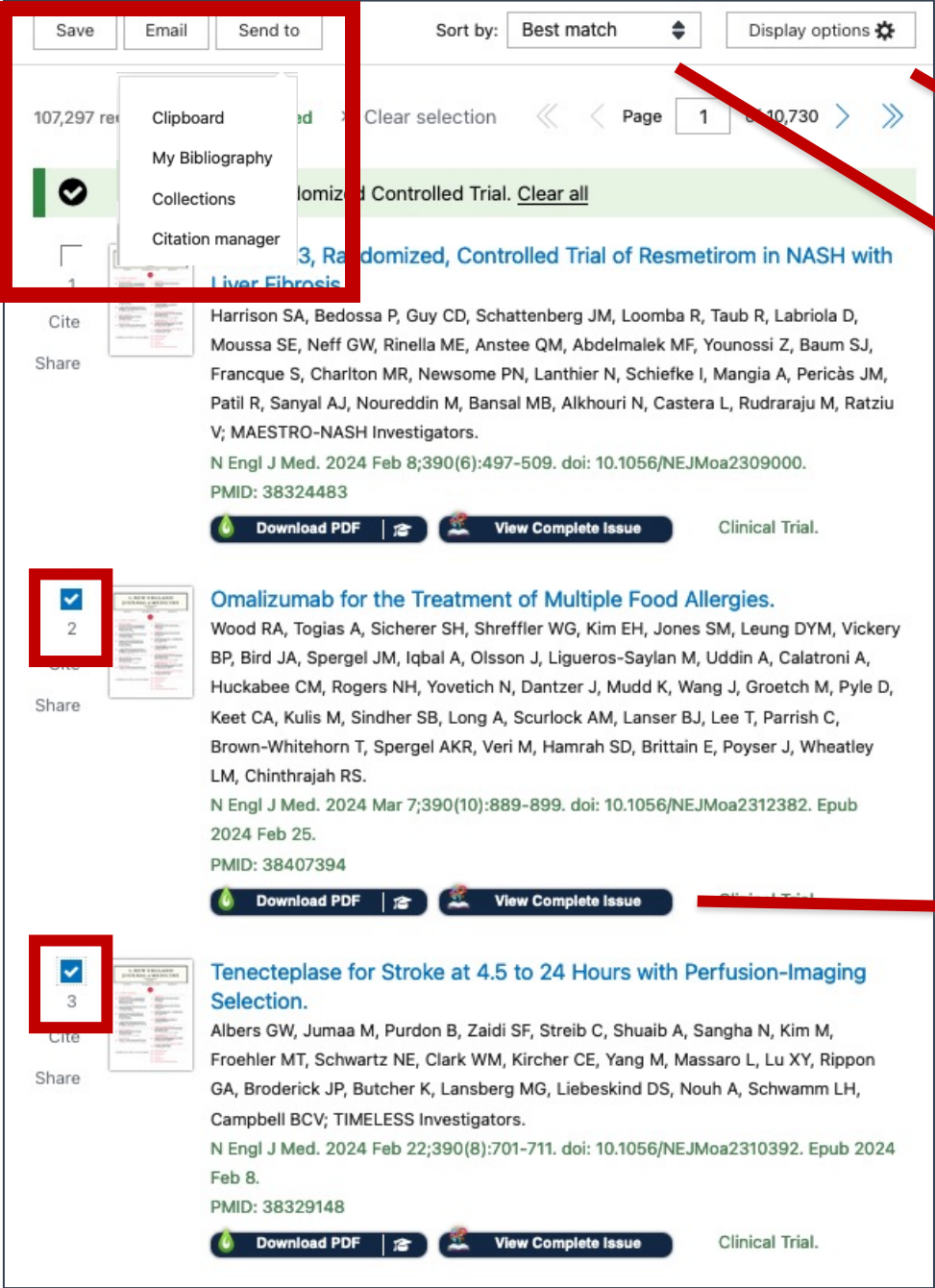
☐ Introductory Journal Article
 ☐ Journal Article
 ☐ Lecture
 ☐ Legal Case
 ☐ Legislation
 ☐ Letter
 ☐ Multicenter Study
 ☐ News
 ☐ Newspaper Article
 ☐ Observational Study
 ☐ Observational Study, Veterinary
 ☐ Overall
 ☐ Patient Education Handout

Cancel

Show

33

GESTION DES RÉSULTATS

The screenshot displays a web interface for managing research results. At the top, there are buttons for 'Save', 'Email', and 'Send to'. A dropdown menu is open, showing options: 'Clipboard', 'My Bibliography', 'Collections', and 'Citation manager'. The interface shows a list of results, with the first result highlighted in green. The second and third results are also visible, each with a checkbox and a number (2 and 3 respectively) in a red box. The interface includes a 'Sort by' dropdown set to 'Best match' and a 'Display options' gear icon. Red arrows point from the text labels on the right to specific elements in the interface: one points to the 'Sort by' dropdown, another points to the 'Display options' gear icon, and a third points to the 'Download PDF' button of the third result.

Format d'affichage

Critère de classement

Boutons LibKey pour obtenir le PDF en 1 clic

ALERTES

PubMed.gov

[title/Abstract]) AND (prevent*[Title/Abstract] OR p

Advanced **Create alert**

Your saved search

Name of saved search: (prevent*[Title/Abstract] OR p

Search terms: (prevent*[Title/Abstract] OR prophyla* [Test search terms](#)

Would you like email updates of new search results?

☒ Yes
☐ No

Email: **vdurieux@ulb.ac.be** ([change](#))

Frequency: Monthly

Which day? The first Sunday

Report format: Summary

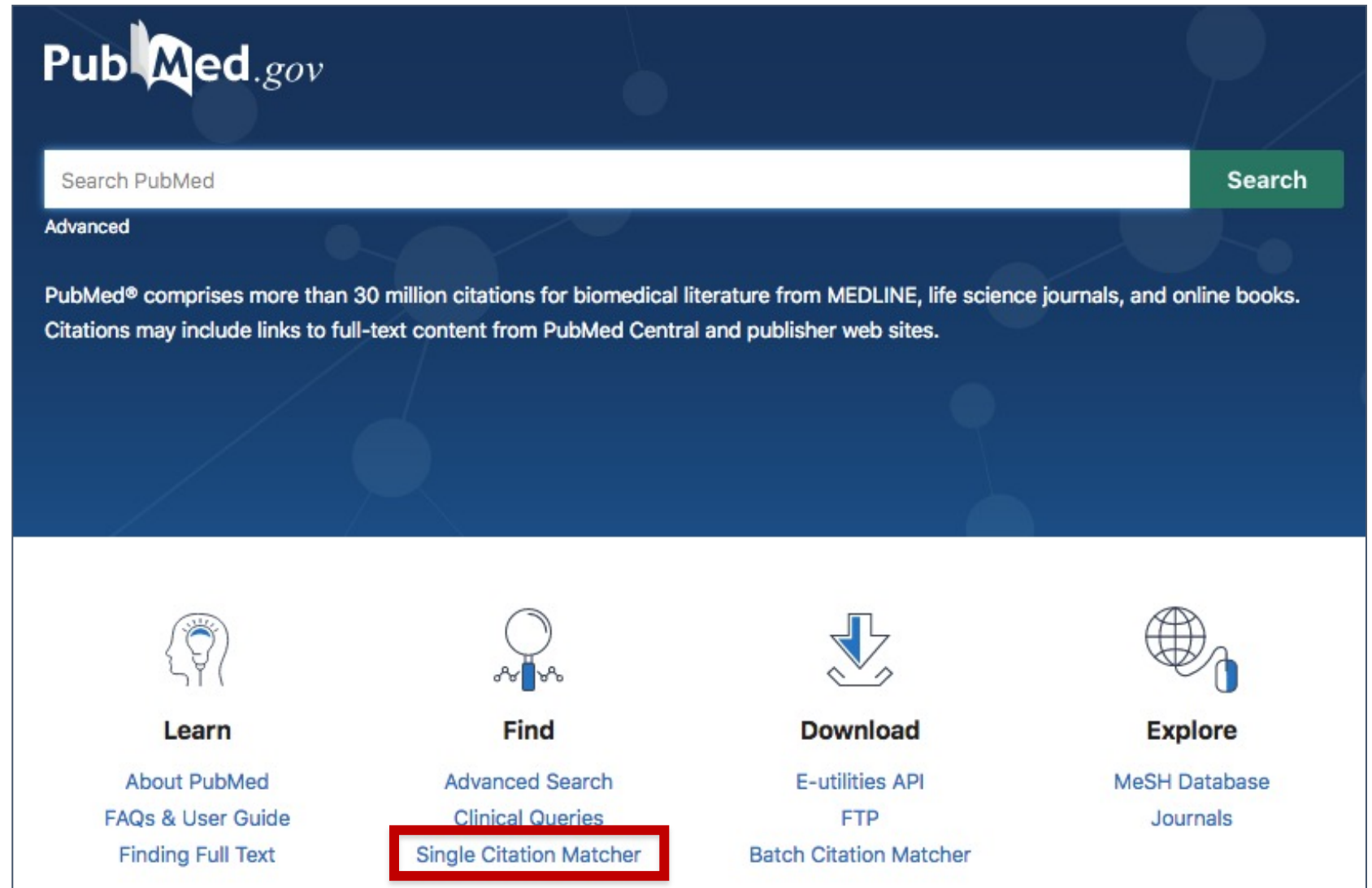
Send at most: 5 items

☐ Send even when there aren't any new results

Optional text in email:

Save Cancel

SINGLE CITATION MATCHER



N.B. : Pour rechercher un article précis

SINGLE CITATION MATCHER



Vous cherchez la notice de l'article de Spada publié dans *Endoscopy*
en 2012, volume 44, issue 5

PubMed Single Citation Matcher

Use this tool to find PubMed citations. You may omit any field.

Journal

Journal may consist of the full title or the title abbreviation.

Endoscopy

Date

Month and day are optional.

Year

2012

Month

MM

Day

DD

Details

Volume

44

Issue

First page

Author

Use format lastname initials for the most comprehensive results, e.g., Ostell J. See also: [Searching by author](#).

spada

Limit authors



Only as first author



Only as last author

Title words

Search

Clear

Found 1 result for "Endoscopy"[Journal] AND 2012[Date - Publication] AND 44[...

Save

Email

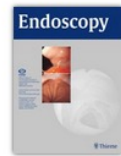
Send to

Display options ⚙

Practice Guideline > Endoscopy. 2012 May;44(5):527-36. doi: 10.1055/s-0031-1291717.

Epub 2012 Mar 2.

Colon capsule endoscopy: European Society of Gastrointestinal Endoscopy (ESGE) Guideline



C Spada ¹, C Hassan, J P Galmiche, H Neuhaus, J M Dumonceau, S Adler, O Epstein, G Gay, M Pennazio, D K Rex, R Benamouzig, R de Franchis, M Delvaux, J Devière, R Eliakim, C Fraser, F Hagenmuller, J M Herrerias, M Keuchel, F Macrae, M Munoz-Navas, T Ponchon, E Quintero, M E Riccioni, E Rondonotti, R Marmo, J J Sung, H Tajiri, E Toth, K Triantafyllou, A Van Gossum, G Costamagna;
European Society of Gastrointestinal Endoscopy

Affiliations + expand

PMID: 22389230 DOI: 10.1055/s-0031-1291717



Download PDF



View Complete Issue

Free article

Abstract

PillCam colon capsule endoscopy (CCE) is an innovative noninvasive, and painless ingestible capsule technique that allows exploration of the colon without the need for sedation and gas insufflation. Although it is already available in European and other countries, the clinical indications for CCE as well as the reporting and work-up of detected findings have not yet been standardized. The aim of this evidence-based and consensus-based guideline, commissioned by the European Society of Gastrointestinal Endoscopy (ESGE) is to furnish healthcare providers with a comprehensive framework for potential implementation of this technique in a clinical setting.

© Georg Thieme Verlag KG Stuttgart · New York.

FULL TEXT LINKS



ACTIONS

“ Cite

📖 Collections

SHARE



PAGE NAVIGATION

< Title & authors

Abstract

Similar articles

Cited by

Publication types

MeSH terms

FORMULER LES CONCEPTS

- En langage scientifique courant → **mots clés**
 - Tous les outils (Google, Google Scholar, Scopus, PubMed/Medline, Cible+,...)

- En langage contrôlé → **descripteurs**
 - PubMed/Medline (thésaurus MeSH)
 - CISMef (thésaurus MeSH + traduction française)

LANGAGE CONTRÔLÉ

- Liste de descripteurs (unitermes ou multi termes) établie à l'avance et utilisée pour décrire chacun des sujets, notions ou concepts traités dans les documents référencés
 - reprend également les termes non-descripteurs (ex. : ~~stérilité~~ → infertilité)
- Thésaurus (= listes hiérarchisées)
 - Ex. : MeSH (Medical Subject Headings)

LANGAGE COURANT VS CONTRÔLÉ

Document 1

.....sterility.....

MeSH: Infertility

Document 2

.....infertility.....

MeSH: Infertility

Document 4

..... infertility...

MeSH :

Document 3

..... sterile.....

MeSH: Infertility

Document 5

..... sterility.....

MeSH :

Requête : sterility

Document 1

.....sterility.....

MeSH: Infertility

Document 2

.....infertility.....

MeSH: Infertility

Document 4

..... infertility...

MeSH :

Document 3

..... sterile.....

MeSH: Infertility

Document 5

..... sterility.....

MeSH :

Requête : steril*

Document 1

.....sterility.....

MeSH: Infertility

Document 2

.....infertility.....

MeSH: Infertility

Document 4

..... infertility...

MeSH :

Document 3

..... sterile.....

MeSH: Infertility

Document 5

..... sterility.....

MeSH :

Requête : steril* OR infertil*

Document 1

.....sterility.....

MeSH: Infertility

Document 2

.....infertility.....

MeSH: Infertility

Document 4

..... infertility...

MeSH :

Document 3

..... sterile.....

MeSH: Infertility

Document 5

..... sterility.....

MeSH :

Requête : "Infertility"[Mesh]

Document 1

.....sterility.....

MeSH: Infertility

Document 2

.....infertility.....

MeSH: Infertility

Document 4

..... infertility...

MeSH :

Document 3

..... sterile.....

MeSH: Infertility

Document 5

..... sterility.....

MeSH :

FORCES - FAIBLESSES

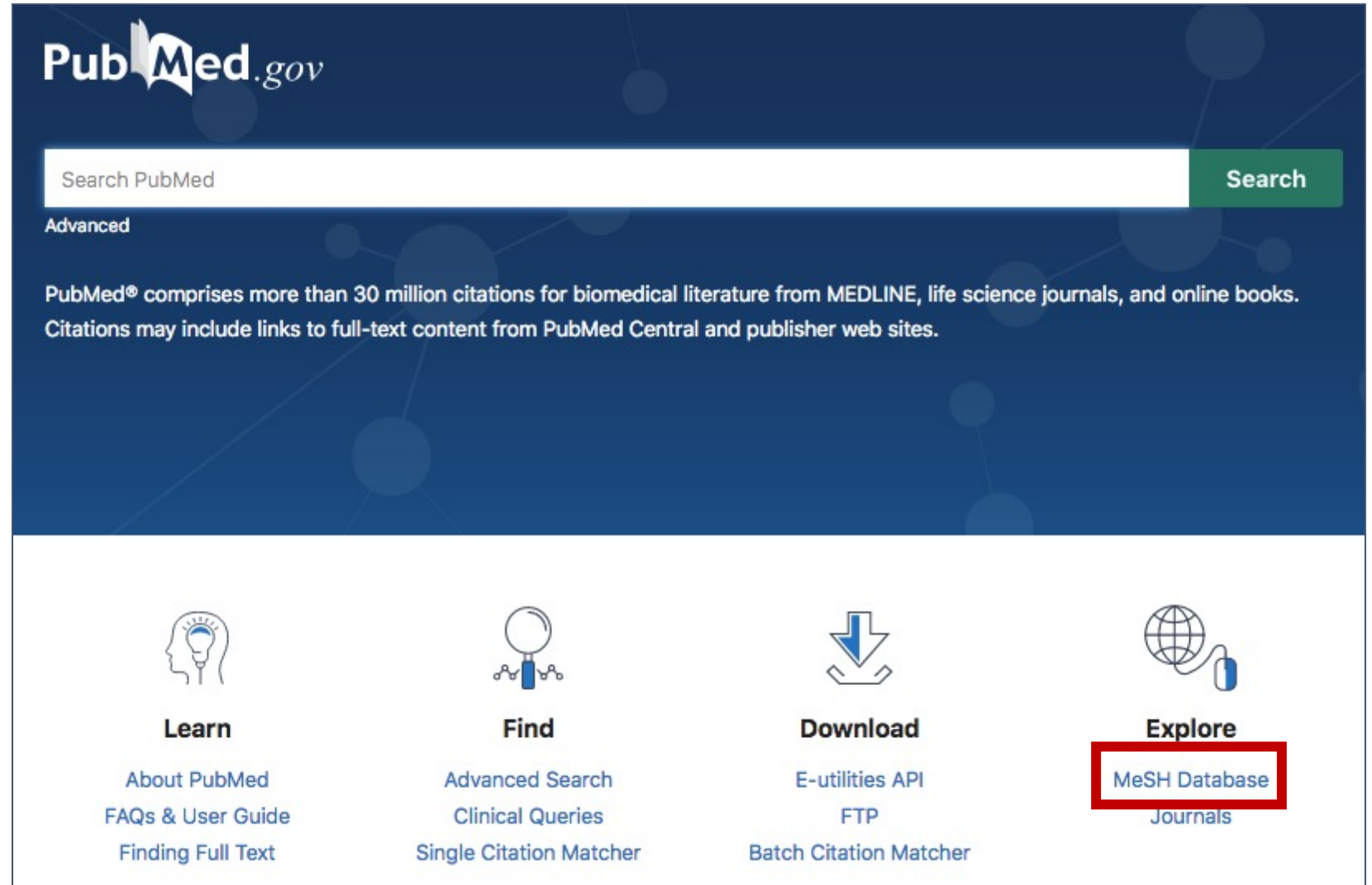
Forces

- permet de trouver des articles dont le titre et l'abstract ne sont pas représentatifs du sujet
- permet de trouver des articles sans abstract
- diminue le bruit documentaire

Faiblesses

- de nombreux articles ne disposent pas (encore) de MeSH
- des articles sont "mal" indexés
- il n'existe pas de MeSH pour tous les concepts
- augmente le silence documentaire

Interrogeable via la MeSH database



The screenshot shows the PubMed.gov homepage. At the top is the PubMed.gov logo. Below it is a search bar with the placeholder text "Search PubMed" and a green "Search" button. Under the search bar, the word "Advanced" is displayed. A paragraph of text states: "PubMed® comprises more than 30 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." At the bottom, there are four main sections: "Learn" (with a lightbulb icon), "Find" (with a magnifying glass icon), "Download" (with a download arrow icon), and "Explore" (with a globe icon). The "Explore" section is highlighted with a red border. Under "Explore", the "MeSH Database" link is also highlighted with a red border. Other links under "Explore" include "Journals".

PubMed.gov

Search PubMed **Search**

Advanced

PubMed® comprises more than 30 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.

Learn	Find	Download	Explore
About PubMed FAQs & User Guide Finding Full Text	Advanced Search Clinical Queries Single Citation Matcher	E-utilities API FTP Batch Citation Matcher	MeSH Database Journals

MESH DATABASE

- But : aider les utilisateurs de PubMed à identifier les **termes appropriés** pour leurs recherches dans MEDLINE
- Fournit des informations concernant les termes MeSH, y compris :
 - Définitions
 - Synonymes des concepts
 - Termes associés
 - La position du terme dans la hiérarchie

NOTICE DE DESCRIPTEUR



Laparoscopy

A procedure in which a laparoscope (LAPAROSCOPES) is inserted through a small incision near the navel to examine the abdominal and pelvic organs in the PERITONEAL CAVITY. If appropriate, biopsy or surgery can be performed during laparoscopy.

Year introduced: 1993, 1971-1977

PubMed search builder options

Subheadings:

- | | | |
|--|---|---|
| ☐ abnormalities | ☐ ethics | ☐ psychology |
| ☐ adverse effects | ☐ etiology | ☐ radiation effects |
| ☐ anatomy and histology | ☐ history | ☐ rehabilitation |
| ☐ chemistry | ☐ instrumentation | ☐ standards |
| ☐ classification | ☐ legislation and | ☐ statistics and numerical |
| ☐ complications | jurisprudence | data |
| ☐ contraindications | ☐ manpower | ☐ surgery |
| ☐ cytology | ☐ methods | ☐ therapeutic use |
| ☐ diagnosis | ☐ mortality | ☐ therapy |
| ☐ economics | ☐ nursing | ☐ transplantation |
| ☐ education | ☐ organization and | ☐ trends |
| ☐ embryology | administration | ☐ utilization |
| ☐ epidemiology | ☐ pathology | ☐ veterinary |
| | ☐ pharmacology | |
| | ☐ physiology | |

- ☐ Restrict to MeSH Major Topic.
- ☐ Do not include MeSH terms found below this term in the MeSH hierarchy.

NOTICE DE DESCRIPTEUR

Synonymes
et termes
associés

Entry Terms:

- Laparoscopies
- Celioscopy
- Celioscopies
- Peritoneoscopy
- Peritoneoscopies
- Surgical Procedures, Laparoscopic
- Laparoscopic Surgical Procedure
- Surgical Procedure, Laparoscopic
- Procedure, Laparoscopic Surgical
- Procedures, Laparoscopic Surgical
- Surgery, Laparoscopic
- Laparoscopic Surgery
- Laparoscopic Surgeries
- Surgeries, Laparoscopic
- Laparoscopic Surgical Procedures

See Also:

- [Laparoscopes](#)

[All MeSH Categories](#)

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

[Diagnosis](#)

[Diagnostic Techniques and Procedures](#)

[Diagnostic Techniques, Surgical](#)

[Endoscopy](#)

Laparoscopy

[Hand-Assisted Laparoscopy](#)

Hiérarchie

N.B. : par défaut, le système cherche le terme mais aussi tous ceux qui se trouvent en-dessous de lui dans la hiérarchie

> Hum Pathol, 85, 152-161 Mar 2019

Loss of DUSP2 Predicts a Poor Prognosis in Patients With Bladder Cancer

Hubin Yin ¹, Weiyang He ², Yunhai Li ³, Ning Xu ⁴, Xin Zhu ², Yong Lin ⁵, Xin Gou ⁶

Affiliations + expand

PMID: 30458195 DOI: 10.1016/j.humpath.2018.11.007

Abstract

Dual-specificity phosphatase 2 (DUSP2), a member of nuclear type I DUSP family, abolishes the activation of mitogen-activated protein kinases (MAPKs) and plays critical roles in the immune processes, inflammatory responses, and cancer progression. Currently, whether DUSP2 is involved in pathogenesis of bladder cancer remains unclear. In this study, we demonstrate that the expression level of DUSP2 was predominantly downregulated in bladder cancer tissues and cell lines as compared with that of paired normal tissues and benign urothelial cells. Besides, the expression of DUSP2 was significantly associated with pathological grade ($P = .009$), AJCC stage ($P = .017$), and subtype ($P = .001$) in The Cancer Genome Atlas cohort and mainly related to TNM stage ($P = .016$) in the tissue microarray cohort. Kaplan-Meier analysis suggested that patients with low DUSP2 expression had a shorter 5-year overall survival ($P = .018$ in The Cancer Genome Atlas; $P = .012$ in tissue microarray) and lower recurrence-free survival ($P = .008$). Cox regression analysis indicated that reduced DUSP2 was an independent high risk factor for survival prognosis in both cohorts. Taken together, our findings for the first time suggested DUSP2 as a progression and prognosis biomarker for bladder cancer. Whether DUSP2 functions as a tumor suppressor in bladder cancer deserves further studies.

Keywords: Bladder cancer; DUSP2; Expression; Prognosis; Tissue microarray.

Copyright © 2018. Published by Elsevier Inc.

FULL TEXT LINKS



ACTIONS

“ Cite

☆ Favorites

SHARE



PAGE NAVIGATION

< Title & authors

Abstract

Similar articles

Cited by

Publication types

MeSH terms

Substances

VISUALISER LES MESH ATTRIBUÉS

MeSH terms

- > Aged
- > Cell Line, Tumor
- > Disease Progression
- > Down-Regulation ★
- > Dual Specificity Phosphatase 2 / genetics
- > Dual Specificity Phosphatase 2 / metabolism ★
- > Female
- > Gene Expression Regulation, Neoplastic ★
- > Humans
- > Male
- > Middle Aged
- > Neoplasm Grading
- > Neoplasm Staging
- > Prognosis
- > Progression-Free Survival
- > Survival Rate
- > Urinary Bladder / metabolism ★
- > Urinary Bladder / pathology
- > Urinary Bladder Neoplasms / genetics
- > Urinary Bladder Neoplasms / metabolism ★
- > Urinary Bladder Neoplasms / mortality
- > Urinary Bladder Neoplasms / pathology

N.B. : l'astérisque (*)
indique un descripteur
« majeur » (= *MeSH
Major Topic*)

ACTIONS

Search in PubMed

Search in MeSH

Add to Search

Apparaissent en
cliquant sur un MeSH

INTERROGATION DE PUBMED EN MESH

Exemple de sujet de recherche :

La laparoscopie dans le bilan de stérilité

INTERROGATION DE PUBMED EN MESH

MeSH

Summary ▾ 20 per page ▾ Send to: ▾

Search results

Items: 11

☐ [Infertility](#)
1. A reduced or absent capacity to reproduce.
Year introduced: 1983

☐ [Infertility, Female](#)
2. Diminished or absent ability of a female to achieve conception.
Year introduced: 1983

PubMed Search Builder

Find related data [YouTube](#) [Tutorial](#)

Database:

INTERROGATION DE PUBMED EN MESH



[Display Settings:](#) ☒ Full

Infertility

Inability to reproduce after a specified period of unprotected intercourse. Reproductive **sterility** is permanent **infertility**.

Year introduced: 1983

PubMed search builder options

[Subheadings:](#)

- | | | |
|---|--|---|
| ☐ blood | ☐ ethnology | ☐ physiopathology |
| ☐ chemically induced | ☐ etiology | ☐ prevention and control |
| ☐ classification | ☐ genetics | ☐ psychology |
| ☐ complications | ☐ history | ☐ radiography |
| ☐ congenital | ☐ immunology | ☐ radionuclide imaging |
| ☒ diagnosis | ☐ legislation and jurisprudence | ☐ radiotherapy |
| ☐ diet therapy | ☐ metabolism | ☐ rehabilitation |
| ☐ drug effects | ☐ microbiology | ☐ surgery |
| ☐ drug therapy | ☐ mortality | ☐ therapy |
| ☐ economics | ☐ nursing | ☐ ultrasonography |
| ☐ embryology | ☐ parasitology | ☐ veterinary |
| ☐ enzymology | ☐ pathology | ☐ virology |
| ☐ epidemiology | | |

[Send to:](#) ☒

PubMed search builder

"Infertility/diagnosis" [Mesh]

[Add to search builder](#)

AND ▼

[Search PubMed](#)

Related information

[PubMed](#)

[PubMed - Major Topic](#)

[Clinical Queries](#)

[NLM MeSH Browser](#)

Recent activity

[Turn Off](#) [Clear](#)

[sterility \(10\)](#)

MeSH

INTERROGATION DE PUBMED EN MESH

Laparoscopy

A procedure in which a laparoscope (LAPAROSCOPES) is inserted through a small incision near the navel to examine the abdominal and pelvic organs in the PERITONEAL CAVITY. If appropriate, biopsy or surgery can be performed during **laparoscopy**.

Year introduced: 1993, 1971-1977

PubMed search builder options

Subheadings:

- | | | |
|--|--|--|
| ☐ abnormalities | ☐ instrumentation | ☐ psychology |
| ☐ adverse effects | ☐ legislation and jurisprudence | ☐ radiation effects |
| ☐ chemistry | ☐ manpower | ☐ rehabilitation |
| ☐ classification | ☒ methods | ☐ standards |
| ☐ complications | ☐ mortality | ☐ statistics and numerical data |
| ☐ contraindications | ☐ nursing | ☐ surgery |
| ☐ economics | ☐ organization and administration | ☐ transplantation |
| ☐ education | ☐ pathology | ☐ trends |
| ☐ ethics | ☐ pharmacology | ☐ utilization |
| ☐ history | ☐ physiology | ☐ veterinary |

PubMed search builder

("Infertility/diagnosis"
[Mesh]) AND
"Laparoscopy/methods" [Mesh]

1 → Add to search builder AND ▼
2 → Search PubMed

Related information

[PubMed](#)

[PubMed - Major Topic](#)

[Clinical Queries](#)

[NLM MeSH Browser](#)

Recent activity

[Turn Off](#) [Clear](#)

INTERROGATION DE PUBMED EN MESH

Exemple de sujet de recherche :

Contribution de la **magnétoencéphalographie** à la
compréhension de la **physiopathologie** des **troubles**
auditifs centraux

INTERROGATION DE PUBMED EN MESH

TROUVER LE MESH EN ANGLAIS À PARTIR DU FRANÇAIS

Portail Terminologique de Santé

Consulter le MeSH et les autres terminologies de santé

Troubles de l'audition centrale (Descripteur MeSH)



Ressource consultée 18 fois



BioPortal



NLM



Inserm

Libellé préféré

 troubles de l'audition centrale

 auditory diseases, central



INTERROGATION DE PUBMED EN MESH



MeSH

MeSH

auditory diseases, central

×

Search

Create alert Limits Advanced

Help

Full

Send to:

Auditory Diseases, Central

Disorders of hearing or auditory perception due to pathological processes of the AUDITORY PATHWAYS in the CENTRAL NERVOUS SYSTEM. These include CENTRAL HEARING LOSS and AUDITORY PERCEPTUAL DISORDERS.

Year introduced: 1980

PubMed search builder options

Subheadings:

☐ analysis	☐ enzymology	☐ pathology
☐ anatomy and histology	☐ epidemiology	☐ physiology
☐ blood	☐ ethnology	☒ physiopathology
☐ chemically induced	☐ etiology	☐ prevention and control
☐ classification	☐ genetics	☐ psychology
☐ complications	☐ history	☐ rehabilitation
☐ congenital	☐ immunology	☐ statistics and numerical data
☐ diagnosis	☐ metabolism	☐ surgery
☐ diagnostic imaging	☐ microbiology	☐ therapy
☐ drug therapy	☐ nursing	☐ veterinary
☐ embryology	☐ parasitology	☐ virology

PubMed Search Builder

"Auditory Diseases, Central/physiopathology" [Mesh]

Add to search builder AND

Search PubMed

YouTube Tutorial

Related information

PubMed

PubMed - Major Topic

Clinical Queries

NLM MeSH Browser

MedGen

Recent Activity

INTERROGATION DE PUBMED EN MESH



MeSH MeSH magnetoencephalography Search

Create alert Limits Advanced Help

Full Send to:

Magnetoencephalography

The measurement of magnetic fields over the head generated by electric currents in the brain. As in any electrical conductor, electric fields in the brain are accompanied by orthogonal magnetic fields. The measurement of these fields provides information about the localization of brain activity which is complementary to that provided by ELECTROENCEPHALOGRAPHY. **Magnetoencephalography** may be used alone or together with electroencephalography for measurement of spontaneous or evoked activity, and for research or clinical purposes.

Year introduced: 1989

PubMed search builder options

Subheadings:

☐ adverse effects	☐ history	☐ radiation effects
☐ classification	☐ instrumentation	☐ standards
☐ contraindications	☐ methods	☐ statistics and numerical data
☐ drug effects	☐ organization and administration	☐ therapeutic use
☐ economics	☐ pharmacology	☐ trends
☐ ethics	☐ psychology	☐ utilization

1 → 2 →

PubMed Search Builder

("Auditory Diseases, Central/physiopathology" [Mesh]) AND "Magnetoencephalography" [Mesh]

Add to search builder AND

Search PubMed

You Tube Tutorial

Related information

PubMed

PubMed - Major Topic

Clinical Queries

NLM MeSH Browser

Recent Activity

LIMITES DE LA RECHERCHE SIMPLE





×
Search

[Advanced](#)
[Create alert](#)

History and Search Details

 Download
  Delete

Search	Actions	Details	Query	Results	Time
#7	...		Search: cancer colon treatment Sort by: Most Recent ("colonic neoplasms"[MeSH Terms] OR ("colonic"[All Fields] AND "neoplasms"[All Fields]) OR "colonic neoplasms"[All Fields] OR ("cancer"[All Fields] AND "colon"[All Fields]) OR "cancer colon"[All Fields]) AND ("therapeutics"[MeSH Terms] OR "therapeutics"[All Fields] OR "treatments"[All Fields] OR "therapy"[MeSH Subheading] OR "therapy"[All Fields] OR "treatment"[All Fields] OR "treatment s"[All Fields]) Translations cancer colon: "colonic neoplasms"[MeSH Terms] OR ("colonic"[All Fields] AND "neoplasms"[All Fields]) OR "colonic neoplasms"[All Fields] OR ("cancer"[All Fields] AND "colon"[All Fields]) OR "cancer, colon"[All Fields] treatment: "therapeutics"[MeSH Terms] OR "therapeutics"[All Fields] OR "treatments"[All Fields] OR "therapy"[Subheading] OR "therapy"[All Fields] OR "treatment"[All Fields] OR "treatment's"[All Fields]	88,993	09:35:50

Exemple de sujet de recherche :

la **prévention** du **diabète de grossesse** par la **marche à pied**

Equation en langage courant

("gestational diabetes" OR "pregnancy induced diabetes") AND (prevent* OR prophyla*) AND (walk OR walking)

Equation en MeSH

"Diabetes, Gestational/prevention and control"[Mesh] AND
"Walking"[Mesh]

Combinaison des équations (syntaxe PubMed)

("Diabetes, Gestational/prevention and control"[Mesh] OR
(((prevent*[Title/abstract] OR prophyla*[Title/abstract]) AND ("gestational
diabetes"[Title/abstract] OR "pregnancy induced
diabetes"[Title/abstract]))) AND ("Walking"[Mesh] OR walk[Title/abstract]
OR walking[Title/abstract]))

PARENTHÈSES IMBRIQUÉES



MESURER L'AVANTAGE DE L'IMBRICATION

History and Search Details

Download

Delete

Search	Actions	Details	Query	Results	Time
#4	...	>	Search: ("Diabetes, Gestational/prevention and control"[Mesh] OR ((prevent*[Title/abstract] OR prophyla*[Title/abstract]) AND ("gestational diabetes"[Title/abstract] OR "pregnancy induced diabetes"[Title/abstract]))) AND ("Walking"[Mesh] OR walk[Title/abstract] OR walking[Title/abstract]) Sort by: Most Recent	30	08:16:32
#3	...	>	Search: #1 OR #2 Sort by: Most Recent	25	08:16:18
#2	...	>	Search: "Diabetes, Gestational/prevention and control"[Mesh] AND "Walking"[Mesh] Sort by: Most Recent	4	08:15:47
#1	...	>	Search: ("gestational diabetes"[tiab] OR "pregnancy induced diabetes"[tiab]) AND (prevent*[tiab] OR prophyla*[tiab]) AND (walk[tiab] OR walking[tiab]) Sort by: Most Recent	22	08:15:35

#4 NOT #3

×

Search

[Advanced](#)
[Create alert](#)
[Create RSS](#)
[User Guide](#)

Save

Email

Send to

Sorted by: Most recent

Display options

MY NCBI FILTERS

5 results

<<

<

Page

1

of 1

>

>>

ARTICLE TROUVÉ GRÂCE À L'IMBRICATION

Controlled Clinical Trial > Res Q Exerc Sport, 90 (4), 589-599 Dec 2019

Reducing the Adverse Maternal and Fetal Outcomes in IVF Women by Exercise Interventions During Pregnancy

Forouzan Charkamyani ¹, Azadeh Hosseinkhani ¹, Leila Neisani Samani ¹, Leila Khedmat ²

Affiliations + expand
PMID: 31397647 DOI: 10.1080/02701367.2019.1639601

Abstract

Purpose: The role of a structured program of exercise training on the low-risk pregnancy in Iranian women undergoing *in vitro* fertilization (IVF) based on the reduction of gestational diabetes was examined. **Method:** A comparative quasi-experimental clinical trial with 170 IVF-pregnant women in two intervention and control groups was studied to monitor the training effect of physical activities in terms of walking, and aerobic, strength-conditioning, and relaxation exercises during pregnancy on the improvement of maternal and fetal health. Gestational diabetes as the main complication was evaluated with 2-h 75-g OGTT and FBS tests in 24-28 and 34- weeks' gestation, respectively. Other adverse maternal (e.g., preeclampsia, cesarean section, and preterm delivery) and neonatal (e.g., intrauterine growth retardation, low/high birth weight, and fetal death) outcomes were determined and analyzed by statistical and regression tests. **Results:** A significantly lower gestational diabetes and preeclampsia rate was found in the intervened IVF-pregnant women with the maintenance of an active lifestyle. Although there was no significant difference in other negative maternal and neonatal outcomes between the two groups, lower symptoms from these complications were recorded in IVF-pregnant women trained with regular exercise activities. **Conclusion:** Implementing the physical activity program by IVF-women during pregnancy is an effective intervention strategy in reducing the risk of adverse maternal and fetal outcomes.

MeSH terms

- > Adult
- > Birth Weight
- > Cesarean Section / statistics & numerical data
- > Diabetes, Gestational / epidemiology
- > Diabetes, Gestational / prevention & control
- > Exercise / physiology ★
- > Female
- > Fertilization in Vitro ★
- > Fetal Death / prevention & control
- > Fetal Growth Retardation / epidemiology
- > Fetal Growth Retardation / prevention & control
- > Humans
- > Hypertension, Pregnancy-Induced / epidemiology
- > Hypertension, Pregnancy-Induced / prevention & control
- > Infant, Premature
- > Iran / epidemiology
- > Middle Aged
- > Pre-Eclampsia / epidemiology
- > Pre-Eclampsia / prevention & control
- > Pregnancy
- > Pregnancy Outcome ★
- > Prevalence
- > Young Adult

Concept de marche absent
des MeSH

Concept de prévention absent du titre et de l'abstract

MESURER LE TAUX DE RAPPEL DE SON ÉQUATION



Votre équation permet-elle de retrouver tous les articles pertinents déjà identifiés (= **articles contrôles**) ? Vérification dans PubMed

1. Lancer son équation de recherche

Query box

("Smoking Cessation"[Mesh] OR "Tobacco Use Cessation"[Mesh] OR "smoking cessation"[Title/abstract] OR "smoking cessations"[Title/abstract] OR "giving up smoking"[Title/abstract] OR "quitting smoking"[Title/abstract] OR "tobacco cessation"[Title/abstract]) AND ("Electronic Nicotine Delivery Systems"[Mesh] OR "Vaping"[Mesh] OR "Electronic Nicotine Delivery Systems"[Title/abstract] OR "Electronic Nicotine Delivery System"[Title/abstract] OR "Electronic Cigarettes"[Title/abstract] OR "Electronic Cigarette"[Title/abstract] OR "E Cigarettes"[Title/abstract] OR "E Cigarette"[Title/abstract] OR vaping[Title/abstract])

Search

2. Rechercher l'article contrôle à l'aide de son PMID

38454045

Search



Impact of **electronic cigarette** usage on the onset of respiratory symptoms and COPD among Chinese adults.

Song B, Li H, Zhang H, Jiao L, Wu S.

Sci Rep. 2024 Mar 7;14(1):5598. doi: 10.1038/s41598-024-56368-9.

PMID: 38454045

3. Combiner les deux requêtes

Query box

#7 AND #8

Search

History and Search Details Download Delete

Search	Actions	Details	Query	Results	Time
#8	...	>	Search: 38454045 Sort by: Most Recent	1	13:12:38
#7	...	>	Search: ("Smoking Cessation"[Mesh] OR "Tobacco Use Cessation"[Mesh] OR "smoking cessation"[Title/abstract] OR "smoking cessations"[Title/abstract] OR "giving up smoking"[Title/abstract] OR "quitting smoking"[Title/abstract])	3,206	13:10:24

Liens vers capsules

- PubMed – recherche avancée (démonstration) : https://universitelibrebruxelles-my.sharepoint.com/:v:/g/personal/valerie_durieux_ulb_be/EU4SnjLQ4oVLqJf37jBkmVMBxFMX6jJt53iRADlqq9pyA?nav=eyJyZWZlcnJhbEluZm8iOmsicmVmZXJyYWxBcHAIiOiJPbmVEcmI2ZUZvckJ1c2luZXNzliwicmVmZXJyYWxBcHBQbGF0Zm9ybSI6IldlYiIsInJlZmVycmFsTW9kZSI6InZpZXciLCJyZWZlcnJhbFZpZXciOiJNeUZpbGVzTGlua0NvcHkifX0&e=drNDA0
- PubMed – recherche en MeSH (démonstration) : https://universitelibrebruxelles-my.sharepoint.com/:v:/g/personal/valerie_durieux_ulb_be/EaGk5SWI2uNBkaFv0GvQO90Bp59y88wwKwZSGplZmMTFFg?nav=eyJyZWZlcnJhbEluZm8iOmsicmVmZXJyYWxBcHAIiOiJPbmVEcmI2ZUZvckJ1c2luZXNzliwicmVmZXJyYWxBcHBQbGF0Zm9ybSI6IldlYiIsInJlZmVycmFsTW9kZSI6InZpZXciLCJyZWZlcnJhbFZpZXciOiJNeUZpbGVzTGlua0NvcHkifX0&e=akE6Ln