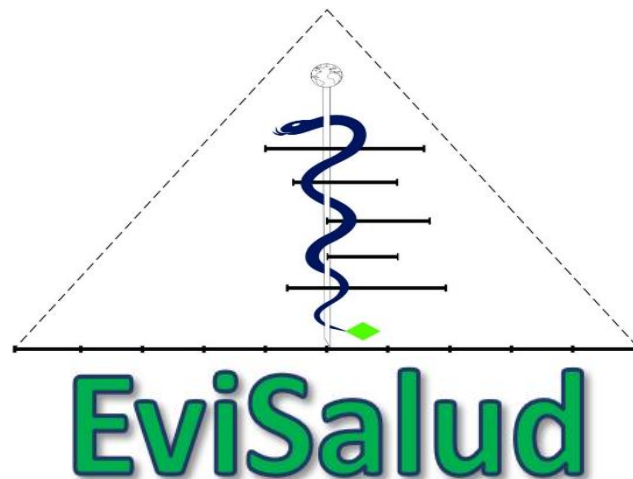


BÚSQUEDA BIBLIOGRÁFICA SIMPLE EN PUBMED

Introducción y conceptos básicos

Alvaro Taype-Rondán, MD, MSc
alvaro.taype.r@gmail.com

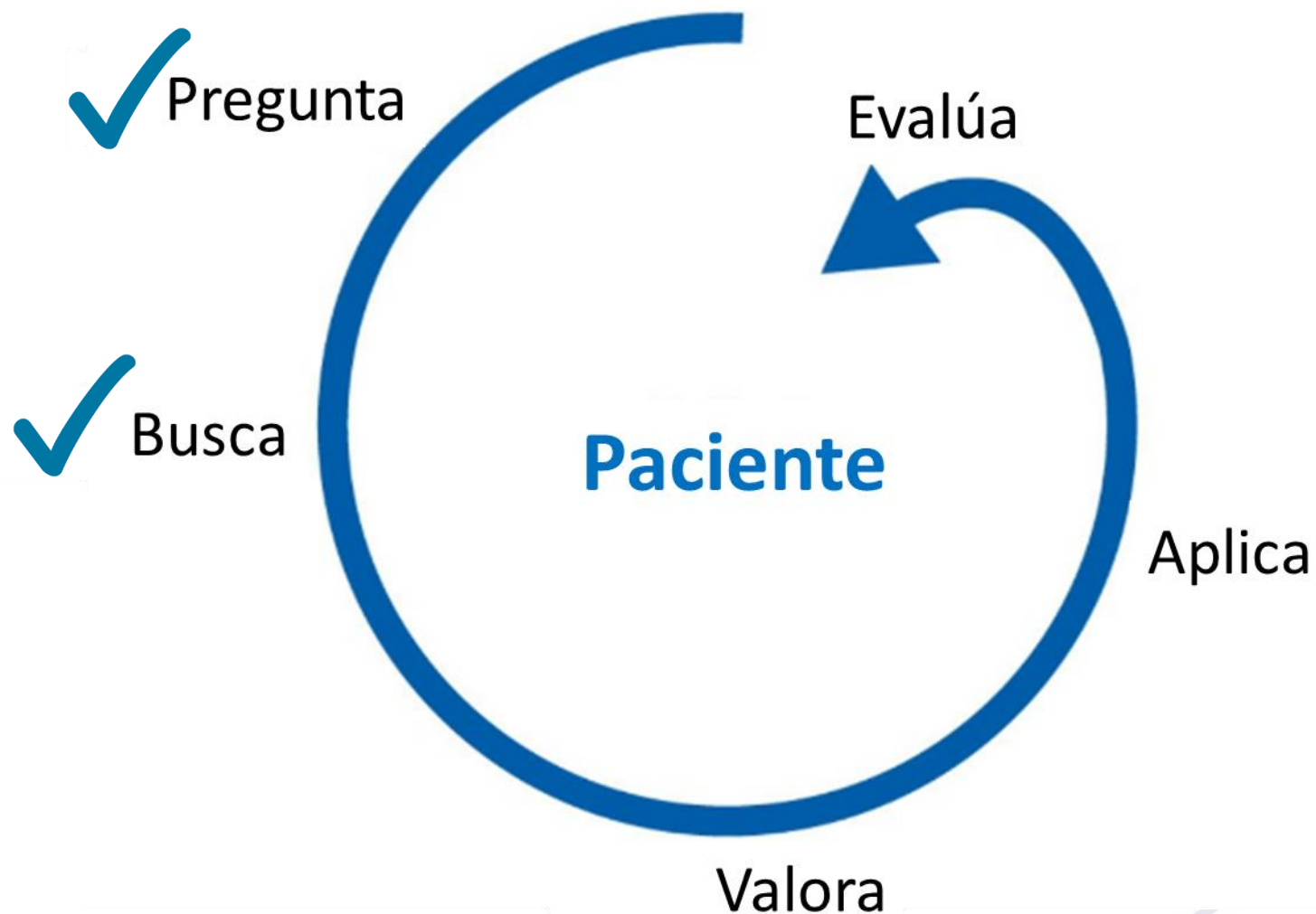


Alvaro Taype-Rondán, MD, MSc

Potenciales conflictos de interés

- **Cursó estudios en:** USMP, UPCH
- **Consultorías o labores de investigación/docencia para:** USIL, UPCH, UCSUR, USMP, UNMSM, ULADECH, IETSI-EsSalud, IAI, PROMSEX, Flora Tristán, CONAREME, CNP
- **Recibió incentivos o financiamiento para investigación de:** CONCYTEC, CMP, MINSA (DIRESA Ancash)
- **Past-membro o asesor en:** SOCIEM-USMP, SOCIMEP
- **Financiamiento de la industria farmacéutica:** ninguno

Recordando: 5 pasos de la MBE



Búsqueda bibliográfica simple en PubMed: Temas

1. Conceptos básicos
2. Búsqueda en PubMed (I)
3. Búsqueda en PubMed (II)
4. ¿Cómo conseguir el artículo encontrado?

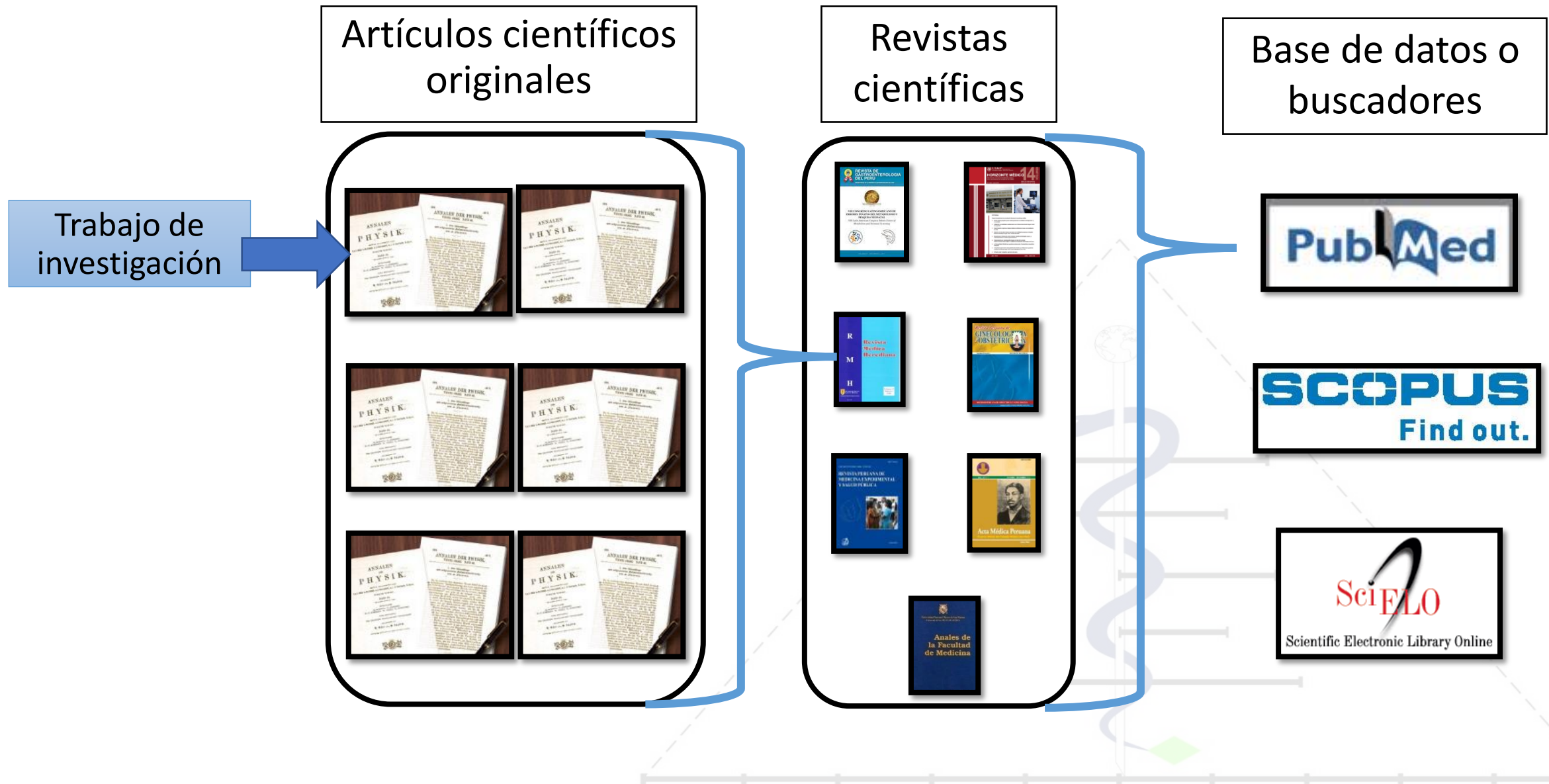


Búsqueda bibliográfica simple en PubMed: Temas

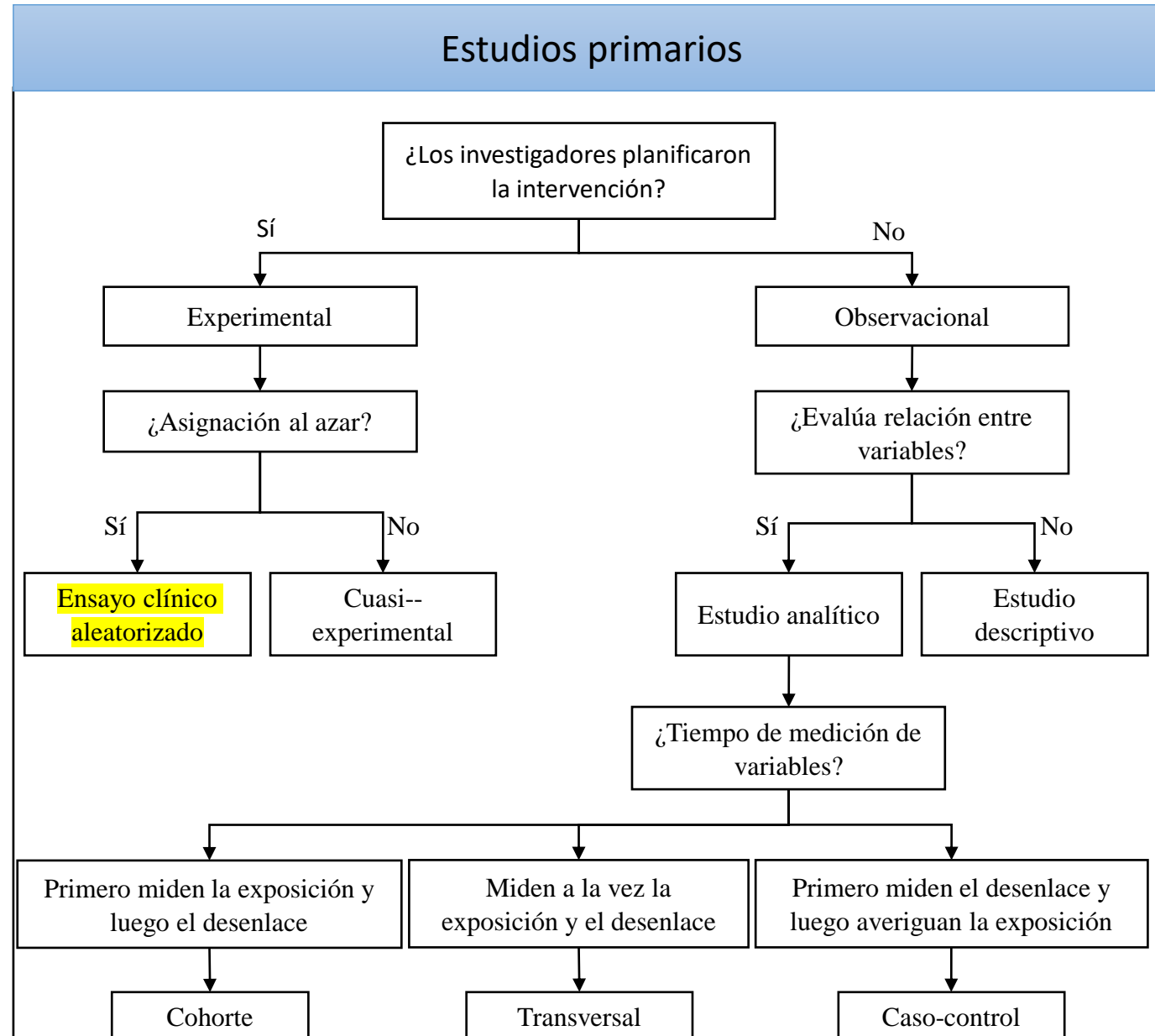
1. **Conceptos básicos**
2. Búsqueda en PubMed (I)
3. Búsqueda en PubMed (II)
4. ¿Cómo conseguir el artículo encontrado?



1) Cómo se publica la evidencia científica



2) Taxonomía de estudios originales



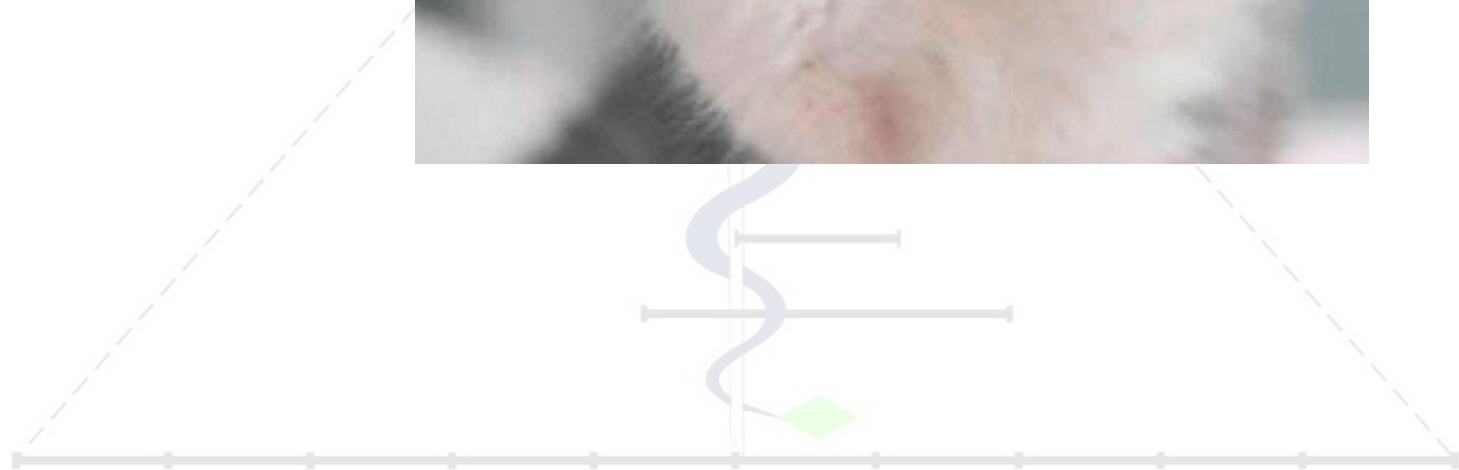
Estudios secundarios

- Revisiones sistemáticas (RS)
- Scoping reviews
- Estudios bibliométricos

Pregunta

¿Cuál es el estudio primario con mayor nivel de evidencia para responder preguntas de intervención?

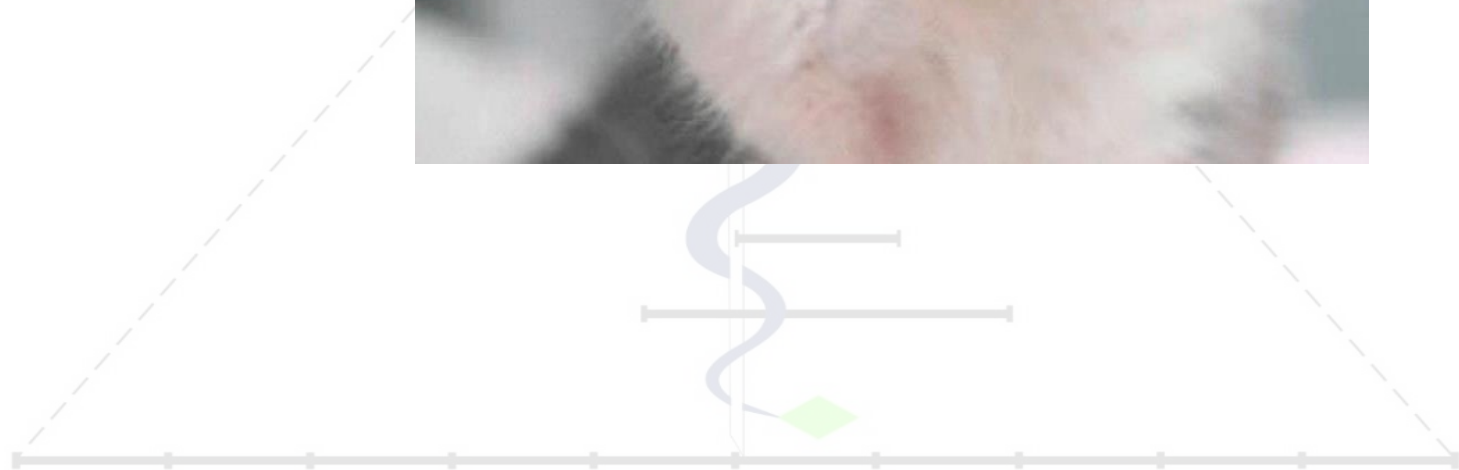
- Revisión sistemática
- Ensayo clínico aleatorizado
- Observacional analítico
- Cohorte



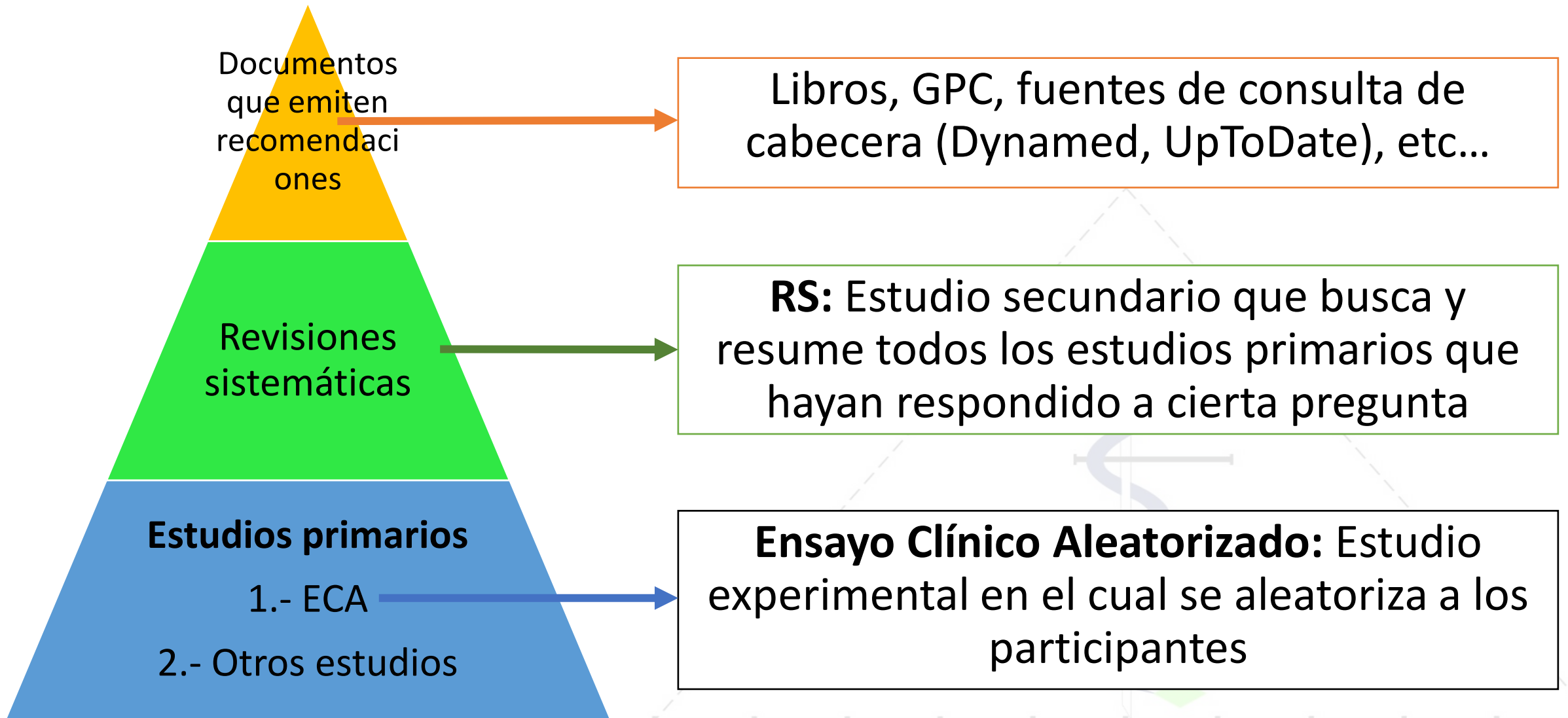
Pregunta

¿Cuál es el estudio primario con mayor nivel de evidencia para responder preguntas de intervención?

- Revisión sistemática
- Ensayo clínico aleatorizado**
- Observacional analítico
- Cohorte



3) Documentos para tomar decisiones



3) Documentos para tomar decisiones

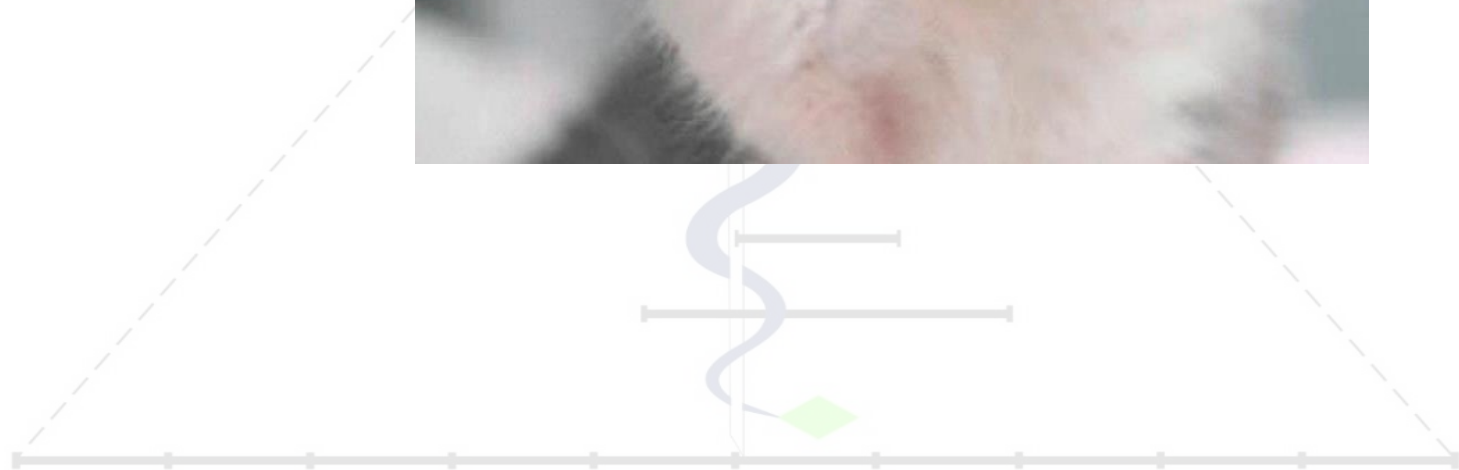


- *Más actualizados*
- *Permite entender mejor la evidencia*
- *Requiere más tiempo*
- *Requiere más competencias de lectura crítica*

Pregunta

¿En qué evidencia deberían basarse las recomendaciones de una guía de práctica clínica?

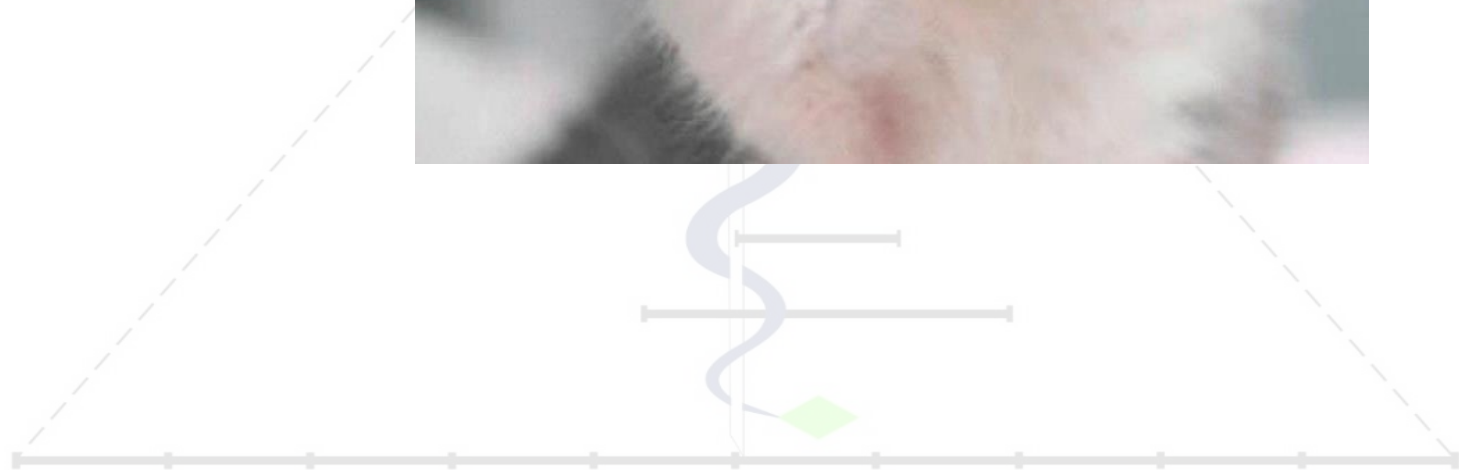
- Experiencia de los clínicos
- Estudios primarios
- Estudios preclínicos
- Revisiones sistemáticas
- Libros actualizados



Pregunta

¿En qué evidencia deberían basarse las recomendaciones de una guía de práctica clínica?

- Experiencia de los clínicos
- Estudios primarios
- Estudios preclínicos
- Revisiones sistemáticas
- Libros actualizados



Búsqueda bibliográfica simple en PubMed: Temas

1. Conceptos básicos
2. Búsqueda en PubMed (I)
3. Búsqueda en PubMed (II)
4. ¿Cómo conseguir el artículo encontrado?



BÚSQUEDA BIBLIOGRÁFICA SIMPLE EN PUBMED

Búsqueda en PubMed I

Alvaro Taype-Rondán, MD, MSc
alvaro.taype.r@gmail.com



Búsqueda bibliográfica simple en PubMed: Temas

1. Conceptos básicos
2. Búsqueda en PubMed (I)
3. Búsqueda en PubMed (II)
4. ¿Cómo conseguir el artículo encontrado?



¿Qué es PubMed?

PubMed es un buscador científico del área de la salud, que incluye como principal base de datos a **MedLine**

- Pros:
 - Popular
 - Es gratuito
 - Tiene un gran número de revistas
- Contras:
 - No tiene a todas las revistas del mundo, debido a sus filtros de calidad
 - Aun así, tiene revistas bastante malas

ANALYSIS

How predatory journals leak into PubMed

Andrea Manca PhD, David Moher PhD, Lucia Cugusi, PhD, Zeevi Dvir PhD, Franca Deriu MD PhD

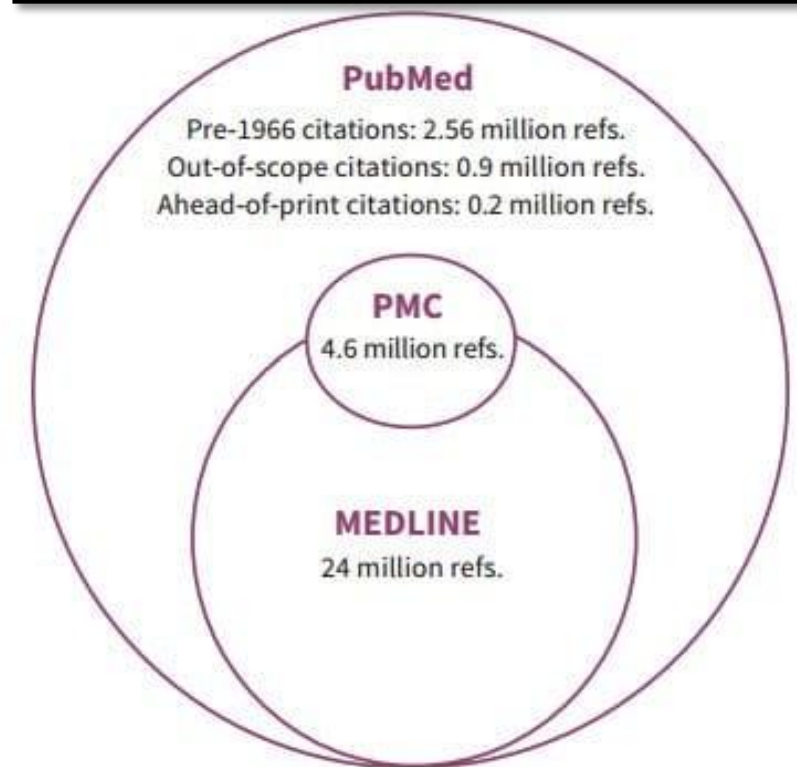


Figure 1: Venn diagram showing the overlap and unique features of PubMed and MEDLINE. References provided as of Sept. 30, 2017. Note: PMC = PubMed Central, refs. = references.

¿Qué vamos a buscar en PubMed?



El resto de la clase se orientará a buscar estos tipos de documentos en PubMed

¿Por qué nos vamos a centrar en PubMed?

- Si estamos buscando en PubMed, **agregar** otras bases aumenta el número de ensayos clínicos en 2.4% (1), modifica el estimado global en 6% (2), y casi nunca cambia la conclusión (3)
- Por ello, es relativamente seguro realizar una revisión rápida solo en Pubmed, especialmente si nos enfocamos en **ECA o RS**



1 Royle P, Milne R. Literature searching for randomized controlled trials used in Cochrane reviews: rapid versus exhaustive searches. *Int J Technol Assess Health Care*. 2003;19(4):591–603.

2 Sampson M, Barrowman NJ, Moher D, Klassen TP, Pham B, Platt R, et al. Should meta-analysts search Embase in addition to Medline? *J Clin Epidemiol*. 2003;56(10):943–55.

3 Halladay CW, Trikalinos TA, Schmid IT, Schmid CH, Dahabreh IJ. Using data sources beyond PubMed has a modest impact on the results of systematic reviews of therapeutic interventions. *J Clin Epidemiol*. 2015;68(9):1076–84. doi:10.1016/j.jclinepi.2014.12.017.

PubMed clásico (<https://www.ncbi.nlm.nih.gov>)

The screenshot shows the classic PubMed website. At the top, there is a navigation bar with "NCBI Resources" and "How To" menus, and a search bar with "PubMed" selected. Below the search bar, there is a "PubMed" header with a description: "PubMed comprises more than 26 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." The main content area is divided into three columns: "Using PubMed" (with links like "PubMed Quick Start Guide", "Full Text Articles", "PubMed FAQs", "PubMed Tutorials", "New and Noteworthy"), "PubMed Tools" (with links like "PubMed Mobile", "Single Citation Matcher", "Batch Citation Matcher", "Clinical Queries", "Topic-Specific Queries"), and "More Resources" (with links like "MeSH Database", "Journals in NCBI Databases", "Clinical Trials", "E-Utilities (API)", "LinkOut"). There are also sections for "Latest Literature" and "Trending Articles".

Nuevo PubMed (<https://pubmed.ncbi.nlm.nih.gov/>)

The screenshot shows the new PubMed website. At the top, there is a navigation bar with the NIH logo and "U.S. National Library of Medicine National Center for Biotechnology Information" text, and a "Log in" button. Below the navigation bar, there is a "PubMed.gov" header with a description: "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." The main content area is divided into two columns: "Using PubMed" (with links like "PubMed Quick Start Guide", "Full Text Articles", "PubMed FAQs", "PubMed Tutorials", "New and Noteworthy") and "PubMed Tools" (with links like "PubMed Mobile", "Single Citation Matcher", "Batch Citation Matcher", "Clinical Queries", "Topic-Specific Queries"). There are also sections for "Latest Literature" and "Trending Articles".

- Pronto será la única plataforma disponible para usar PubMed
- Capacidad de encontrar artículos “mejorada”

Entramos a PubMed



A screenshot of a Google search interface. The search bar contains the text "pubmed". Below the search bar, there are navigation options: "Todos", "Imágenes", "Libros", "Noticias", "Videos", "Más", "Preferencias", and "Herramientas". The search results show "Cerca de 114,000,000 resultados (0.42 segundos)". The first result is from "www.ncbi.nlm.nih.gov > NCBI > Literature" with a link to "Traducir esta página". The title of the result is "Home - PubMed - NCBI". The description states: "PubMed. 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 of the result, it says "Visitaste esta página varias veces. Última visita: 7/04/20." The entire screenshot is enclosed in a black border.

Google

pubmed

Todos Imágenes Libros Noticias Videos Más Preferencias Herramientas

Cerca de 114,000,000 resultados (0.42 segundos)

www.ncbi.nlm.nih.gov > NCBI > Literature [Traducir esta página](#)

Home - PubMed - NCBI

PubMed. 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.

Visitaste esta página varias veces. Última visita: 7/04/20.



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

[About PubMed](#)
[FAQs & User Guide](#)
[Finding Full Text](#)



Find

[Advanced Search](#)
[Clinical Queries](#)
[Single Citation Matcher](#)



Download

[E-utilities API](#)
[FTP](#)
[Batch Citation Matcher](#)



Explore

[MeSH Database](#)
[Journals](#)

PubMed User Guide

Last update: March 10, 2020

Follow [PubMed New and Noteworthy](#) for brief announcements highlighting recent enhancements and changes to PubMed.

FAQs

- [How can I get the full-text article? What if the link to the full-text is not working?](#)
- [How do I search by author?](#)
- [How do I search by journal name?](#)
- [How do I find a specific citation? I have some information such as the author, journal name, and publication year.](#)
- [I retrieved too many citations. How can I focus my search?](#)
- [I retrieved too few citations. How can I expand my search?](#)
- [How do I find consumer health information about a disease or condition?](#)
- [How do I find systematic reviews?](#)
- [Are there tools to help with clinical searches or finding medical genetics information?](#)
- [I'm not finding what I need. How does a PubMed search work?](#)
- [Can you explain what is shown on the search results?](#)
- [How do I display an abstract?](#)
- [How can I save my results?](#)
- [Can I receive email updates when new results are available for my search?](#)
- [How do I report an error or duplicate citation in PubMed?](#)
- [How can I cite an article or export citations to my citation management software program?](#)
- [How do I get a link to bookmark or share my PubMed search?](#)
- [How can I download PubMed?](#)
- [Is there a guide to NLM resources for MEDLINE/PubMed?](#)
- [Where can I find further assistance and training?](#)

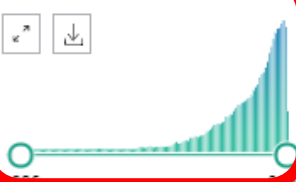
Search PubMed

- [How do I search PubMed?](#)
- [I retrieved too many citations. How can I focus my search?](#)
- [I retrieved too few citations. How can I expand my search?](#)
- [Find a specific citation](#)

PubMed.gov [Advanced](#) [Create alert](#) [Create RSS](#) [User Guide](#)

Sorted by: Best match

MYNCBI FILTERS 179,293 results



Sepsis: A Review of Advances in Management.
1 Rello J, Valenzuela-Sánchez F, Ruiz-Rodríguez M, Moyano S. Adv Ther. 2017 Nov;34(11):2393-2411. doi: 10.1007/s12325-017-0622-8. Epub 2017 Oct 11. PMID: 29022217 [Free PMC article.](#) [Review.](#)
Sometimes, however, the response to the infection is inadequate and may lead to organ dysfunction. This is the condition known as **sepsis**. **Sepsis** can be caused by bacteria, fungi or viruses and at present there is no specific treatment; its management basically focuses on containing the infection through control and antibiotics plus organ function support. ...
“ Cite [Share](#)

Sepsis: An Update on Current Practices in Diagnosis and Management.
2 Jain S. Am J Med Sci. 2018 Sep;356(3):277-286. doi: 10.1016/j.amjms.2018.06.012. Epub 2018 Jun 18. PMID: 30286823 [Review.](#)
Despite several advancements in care over the last few decades, **sepsis** continues to carry a high morbidity and mortality burden in the United States. ...This article reviews definitions, diagnosis and treatment guidelines in current practice in the management of patients with **sepsis**....
“ Cite [Share](#)

Sepsis in children.
3 Plunkett A, Tong J. BMJ. 2015 Jun 9;350:h3017. doi: 10.1136/bmj.h3017. PMID: 26060188 [Review.](#) [No abstract available.](#)
“ Cite [Share](#)

Sepsis in the Burn Patient.
4 Manning J. Crit Care Nurs Clin North Am. 2018 Sep;30(3):423-430. doi: 10.1016/j.cnc.2018.05.010. Epub 2018 Jun 28. PMID: 30098746 [Review.](#)
Sepsis is the leading cause of death in burn patients. Interventions are challenging owing to a lack of specific guidelines. ...**Sepsis** in burn patients is different from the unburned population. Efforts are needed to develop more accurate diagnostic strategies and guidelines to trigger rapid treatment via specific **sepsis** bundles....
“ Cite [Share](#)

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

DISPLAY OPTIONS

Format

Sort by



¿Qué información nos da cada resultado?

7 Effects of dog-**assisted therapy** in adults with **dementia**: a **systematic review** and meta-analysis.

Zafra-Tanaka JH, Pacheco-Barrios K, Tellez WA, Taype-Rondan A.

BMC Psychiatry. 2019 Jan 24;19(1):41. doi: 10.1186/s12888-018-2009-z.

PMID: 30678665 [Free PMC article.](#)

BACKGROUND: Dog-**assisted therapy** (DAT) is a non-pharmacological intervention based on the interaction between patients and dogs, which has been proposed to help adults with **dementia**. ...We included randomized controlled trials (RCTs) and quasi-experimental (QE) controlled studies published up to March 2018, which evaluated the beneficial and deleterious effects of DAT in adults with **dementia**.

...

“ Cite ↵ Share

- Título
- Autores
- Revista
- Año
- Doi

Búsqueda de RS en PubMed

- **PICO:** En pacientes con demencia, ¿es eficaz la terapia asistida con animales?
- **Tipo de estudio:** Revisión Sistemática (RS)

P = Población

I = Intervención

C = Comparador

O = Outcome

Tipo de estudio



Búsqueda de RS en PubMed

- **PICO:** En pacientes con demencia, ¿es eficaz la terapia asistida con animales?
- **Tipo de estudio:** Revisión Sistemática (RS)

Idealmente solo usar 2 de los 4 componentes del PICO



P = Población	pacientes con demencia	dementia
I = Intervención	terapia asistida con animales	animal assisted therapy
C = Comparador	-	-
O = Outcome	-	-
Tipo de estudio	revisión sistemática	(systematic review or cochrane)

Estrategia final: dementia animal assisted therapy (systematic review or cochrane)

Estrategia final: dementia animal assisted therapy (systematic review or cochrane)

¿Qué tiene que ver Cochrane?

- Entidad que realiza RS
- Las RS hechas por Cochrane se publican en su base de datos, llamada *“Cochrane Database of Systematic Reviews”*
- Lamentablemente, las RS de Cochrane no suelen mencionar en su título que son RS



dementia animal assisted therapy (systematic review or cochrane)



Search

Advanced Create alert

User Guide

Save

Email

Send to

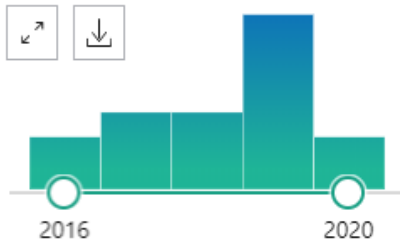
Sorted by: Best match

Display options

MYNCBI FILTERS

14 results

RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

ARTICLE TYPE

- Books and Documents
- Clinical Trial
- Meta-Analysis

Animal-assisted therapy in adults: A systematic review.

1 Charry-Sánchez JD, Pradilla I, Talero-Gutiérrez C.

Complement Ther Clin Pract. 2018 Aug;32:169-180. doi: 10.1016/j.ctcp.2018.06.011. Epub 2018 Aug 1. PMID: 30057046 Review.

Animal-assisted therapies have become widespread with programs targeting a variety of populations. Despite its popularity, it is unclear if this **therapy** is useful. The aim of this **review** is to establish the efficacy of **Animal assisted** therapies in the management of depression and other conditions in adult population. ...

“ Cite Share

Animal-Assisted Therapies and Dementia: A Systematic Mapping Review Using the Lived Environment Life Quality (LELQ) Model.

2 Wood W, Fields B, Rose M, McLure M.

Am J Occup Ther. 2017 Sep/Oct;71(5):7105190030p1-7105190030p10. doi: 10.5014/ajot.2017.027219. PMID: 28809656 Review.

OBJECTIVE: The authors mapped the literature on **animal-assisted** therapies (AATs) and institutionalized adults with **dementia** onto the Lived Environment Life Quality (LELQ) Model as a guide for future services and research. ...The LELQ Model may serve as a guide for client-centered, occupation-focused, and ecologically valid approaches to **animal-assisted** occupational **therapy**....

“ Cite Share

DISPLAY OPTIONS

Format **Summary** Abstract

Sort by Best match

- Best match
- Most recent**
- Publication date

Save

Email

Send to

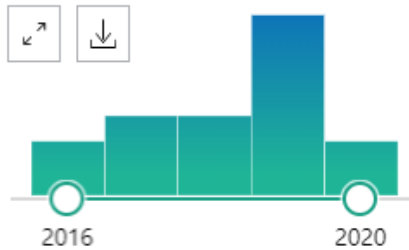
Sorted by: Most recent ↓

Display options

MYNCBI FILTERS

14 results

RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

ARTICLE TYPE

- Books and Documents
- Clinical Trial

[Trained assistance dogs for people with dementia: a systematic review.](#)

1 Marks G, McVilly K.

Psychogeriatrics. 2020 Feb 17. doi: 10.1111/psyg.12529. Online ahead of print.

PMID: 32065698 Review.

This **systematic review** investigated evidence for the effectiveness of trained assistance dogs as an intervention and support for people with **dementia**. ...For deteriorating conditions such as the **dementias**, studies need to be conducted over time. Furthermore, given the important place family members play in the lives of those with **dementia**, the effects of dog-**assisted** interventions on the wider family should also be considered....

“ Cite Share

[Comparative efficacy of non-pharmacological interventions on agitation in people with dementia: A systematic review and Bayesian network meta-analysis.](#)

2 Leng M, Zhao Y, Wang Z.

Int J Nurs Stud. 2020 Feb;102:103489. doi: 10.1016/j.ijnurstu.2019.103489. Epub 2019 Nov 25.

PMID: 31862527 Review.

Network meta-analysis showed that massage **therapy**, **animal-assisted** intervention, and personally tailored intervention were associated with more substantial reductions in agitation compared with other interventions and controls. ...Healthcare professionals should be encouraged to apply promising non-pharmacological interventions (e.g. massage **therapy**, **animal-assisted** intervention and personally tailored intervention) for people with dementia who are experiencing agitation.

Seleccionar los artículos:

- ¿Se trata de una RS?
 - “Systematic review”
 - “Meta analysis”
 - “Cochrane”
- ¿Responde a nuestra PICO?
 - P: demencia
 - I: terapia asistida con animales
- ¿El artículo es reciente?
 - En este caso: Desde el 2019



- [Trained assistance dogs for people with **dementia**: a **systematic review**.](#)
 - Marks G, McVilly K.
Psychogeriatrics. 2020 Feb 17. doi: 10.1111/psyg.12529. Online ahead of print.
PMID: 32065698 Review.
This **systematic review** investigated evidence for the effectiveness of trained assistance dogs as an intervention and support for people with **dementia**. ...For deteriorating conditions such as the **dementias**, studies need to be conducted over time. Furthermore, given the important place family members play in the lives of those with **dementia**, the effects of dog-**assisted** interventions on the wider family should also be considered....
“ Cite Share
- [Comparative efficacy of non-pharmacological interventions on agitation in people with **dementia**: A **systematic review** and Bayesian network meta-analysis.](#)
 - Leng M, Zhao Y, Wang Z.
Int J Nurs Stud. 2020 Feb;102:103489. doi: 10.1016/j.ijnurstu.2019.103489. Epub 2019 Nov 25.
PMID: 31862527 Review.
Network meta-analysis showed that massage **therapy**, **animal-assisted** intervention, and personally tailored intervention were associated with more substantial reductions in agitation compared with other interventions and controls. ...Healthcare professionals should be encouraged to apply promising non-pharmacological interventions (e.g. massage **therapy**, **animal-assisted** intervention and personally tailored intervention) for people with **dementia** during routine care....
“ Cite Share
- [Animal-assisted therapy for **dementia**.](#)
 - Lai NM, Chang SMW, Ng SS, Tan SL, Chaiyakunapruk N, Stanaway F.
Cochrane Database Syst Rev. 2019 Nov 25;2019(11):CD013243. doi: 10.1002/14651858.CD013243.pub2.
PMID: 31763689 Review.
A range of new therapeutic strategies has been evaluated in research, and the use of trained animals in **therapy** sessions, termed **animal-assisted therapy** (AAT), is receiving increasing attention. OBJECTIVES: To evaluate the efficacy and safety of **animal-assisted therapy** for people with **dementia**. SEARCH METHODS: We searched ALOIS: the **Cochrane Dementia** and Cognitive Improvement Group's Specialised Register on 5 September 2019. ...

Seleccionar los artículos:

- ¿Se trata de una RS?
 - “Systematic review”
 - “Meta analysis”
 - “Cochrane”
- ¿Responde a nuestra PICO?
 - P: demencia
 - I: terapia asistida con animales
- ¿El artículo es reciente?
 - En este caso: Desde el 2019

4 Effectiveness of the dog **therapy** for patients with **dementia** - a **systematic review**.
Klimova B, Toman J, Kuca K.
BMC Psychiatry. 2019 Sep 6;19(1):276. doi: 10.1186/s12888-019-2245-x.

5 Companion Animals and Health in Older Populations: A **Systematic Review**.
Hughes MJ, Verreynne ML, Harpur P, Pachana NA.
Clin Gerontol. 2019 Aug 17:1-13. doi: 10.1080/07317115.2019.1650863. Online ahead of print.

6 Promoting mealtime function in people with **dementia**: A **systematic review** of studies undertaken in residential aged care.
Fetherstonhaugh D, Haesler E, Bauer M.
Int J Nurs Stud. 2019 Aug;96:99-118. doi: 10.1016/j.ijnurstu.2019.04.005. Epub 2019 Apr 17.

7 Effects of dog-**assisted therapy** in adults with **dementia**: a **systematic review** and meta-analysis.
Zafra-Tanaka JH, Pacheco-Barrios K, Tellez WA, Taype-Rondan A.
BMC Psychiatry. 2019 Jan 24;19(1):41. doi: 10.1186/s12888-018-2009-z.



Cómo acceder al artículo

Effects of Dog-Assisted Therapy in Adults With Dementia: A Systematic Review and Meta-Analysis

Jessica Hanae Zafra-Tanaka¹, Kevin Pacheco-Barrios², Walter Andree Tellez³, Alvaro Taype-Rondan⁴

Affiliations + expand

PMID: 30678665 PMCID: PMC6345014 DOI: 10.1186/s12888-018-2009-z

Abstract

Background: Dog-assisted therapy (DAT) is a non-pharmacological intervention based on the interaction between patients and dogs, which has been proposed to help adults with dementia. However, evidence to support it is lacking. Thus, we aim to evaluate the effects of DAT on this population and to assess the certainty of the evidence of the RCTs estimates.


Methods: A systematic search was performed. We included randomized controlled trials (RCTs) and quasi-experimental (QE) controlled studies published up to March 2018, which evaluated the beneficial and deleterious effects of DAT in adults with dementia. Mean differences (MD) or standardized mean differences (SMD) and their 95% confidence intervals (95% CI) were calculated and random effects meta-analyses were performed. Certainty of evidence was assessed for RCTs estimates using the Grading of Recommendations Assessment, Development, and Evaluation (GRADE) methodology. The study protocol has been registered in PROSPERO (CRD42018090434).


Results: Ten studies (six RCTs and four QE controlled studies) were eligible for inclusion. Meta-analysis of RCTs showed no effect of DAT in daily life activities (SMD: 0.16; 95% CI: -0.80 to 1.12), depression (SMD: -0.45; 95% CI: -2.81 to 1.91), agitation (SDM: -1.12; 95% CI: -2.67 to 0.43), quality of life (SDM: 0.16; 95% CI: -0.41 to 0.73), and cognitive impairment (SDM: -0.52; 95% CI: -1.33 to 0.30), but it found a beneficial effect in apathy (1 study, n = 37, MD: 1.81; 95% CI: 1.26 to 2.36). All outcomes had a very low certainty of evidence according to GRADE methodology.

Conclusions: RCTs evidence of very low certainty suggests that, in adults with dementia, DAT has no effect in daily life activities, depression, agitation, quality of life, and cognitive impairment, although one small study found an apparent beneficial effect in apathy. More well-designed and correctly reported studies are needed in order to provide a conclusion.

Read free full text at  **PMC** **FREE** Full text

ACTIONS

 Cite

 Favorites

SHARE



PAGE NAVIGATION

< Title & authors

Abstract

Conflict of interest statement

Figures

Similar articles

Cited by

References

Publication types

BMC Psychiatry

Home About Articles In Review Submission Guidelines

Research article | Open Access | Published: 24 January 2019

Effects of dog-assisted therapy in adults with dementia: a systematic review and meta-analysis

Jessica Hanae Zafra-Tanaka, Kevin Pacheco-Barrios, Walter Andree Tellez & Alvaro Taype-Rondan

BMC Psychiatry 19, Article number: 41 (2019) | Cite this article

4448 Accesses | 3 Citations | 24 Altmetric | Metrics

Abstract

Background

Dog-assisted therapy (DAT) is a non-pharmacological intervention based on the interaction

Download PDF

Section

Geriatric psychiatry and cognitive disorders

Sections

Abstract
Introduction
Methods
Results

Zafra-Tanaka et al. *BMC Psychiatry* (2019) 19:41
https://doi.org/10.1186/s12888-018-2009-z

BMC Psychiatry

Effects of dog-assisted therapy in adults with dementia: a systematic review and meta-analysis

Jessica Hanae Zafra-Tanaka¹, Kevin Pacheco-Barrios², Walter Andree Tellez³ and Alvaro Taype-Rondan⁴

Abstract

Background: Dog-assisted therapy (DAT) is a non-pharmacological intervention based on the interaction between patients and dogs, which has been proposed to help adults with dementia. However, evidence to support it is lacking. Thus, we aim to evaluate the effects of DAT on this population and to assess the certainty of the evidence of the RCTs estimates.

Methods: A systematic search was performed. We included randomized controlled trials (RCTs) and quasi-experimental (QE) controlled studies published up to March 2018, which evaluated the beneficial and deleterious effects of DAT in adults with dementia. Mean differences (MD) or standardized mean differences (SMD) and their 95% confidence intervals (95% CI) were calculated and random effects meta-analyses were performed. Certainty of evidence was assessed for RCTs estimates using the Grading of Recommendations Assessment, Development, and Evaluation (GRADE) methodology. The study protocol has been registered in PROSPERO (CRD42018090434).

Results: Ten studies (six RCTs and four QE controlled studies) were eligible for inclusion. Meta-analysis of RCTs showed no effect of DAT in daily life activities (SMD: 0.16; 95% CI: -0.80 to 1.12), depression (SMD: -0.45; 95% CI: -2.81 to 1.91), agitation (SDM: -1.12; 95% CI: -2.67 to 0.43), quality of life (SDM: 0.16; 95% CI: -0.41 to 0.73), and cognitive impairment (SDM: -0.52; 95% CI: -1.33 to 0.30), but it found a beneficial effect in apathy (1 study, n = 37, MD: 1.81; 95% CI: 1.26 to 2.36). All outcomes had a very low certainty of evidence according to GRADE methodology.

Conclusions: RCTs evidence of very low certainty suggests that, in adults with dementia, DAT has no effect in daily life activities, depression, agitation, quality of life, and cognitive impairment, although one small study found an apparent beneficial effect in apathy. More well-designed and correctly reported studies are needed in order to provide a conclusion.

Trial registration: CRD42018090434 (PROSPERO).

Keywords: Animal-assisted therapy, Cognitive dysfunction, Dementia, Meta-analysis

Introduction

Animal-assisted therapies (AAT) are interventions in which animals participate as an integral part to improve specific outcomes in the patient [1]. Dog-assisted therapies (DAT) is a subtype of AAT in which patients interact with dogs [1]. This intervention can include diverse activities such as petting, brushing, feeding, playing with, standing with, or

talking to the dog. DAT has been described as promising in helping people with diverse conditions, especially psychiatric conditions and cognitive disorders such as dementia [2].

Regarding AAT and its effects on dementia, two systematic reviews have been recently published: one systematic review found 32 studies that addressed AAT, from which 27 used dogs and 8 of these were randomized controlled trials (RCTs); and concluded that AAT is effective in reducing the behavioral and psychological symptoms of dementia [3]. Another systematic review that evaluated the benefits of AAT for cognitive impairment found ten

*Correspondence: alvaro.taype@up.edu.pe

¹Unidad de Geriatrias y Gerontología, Instituto de Geriátricos de la Universidad de Piura, Universidad San Ignacio de Loyola, Piura, Peru

Full list of author information is available at the end of the article



Effects of Dog-Assisted Therapy in Adults With Dementia: A Systematic Review and Meta-Analysis

Jessica Hanae Zafra-Tanaka¹, Kevin Pacheco-Barrios², Walter Andree Tellez³, Alvaro Taype-Rondan⁴

Affiliations + expand

PMID: 30678665 PMCID: PMC6345014 DOI: 10.1186/s12888-018-2009-z

Abstract

Background: Dog-assisted therapy (DAT) is a non-pharmacological intervention based on the interaction between patients and dogs, which has been proposed to help adults with dementia. However, evidence to support it is lacking. Thus, we aim to evaluate the effects of DAT on this population and to assess the certainty of the evidence of the RCTs estimates.

Methods: A systematic search was performed. We included randomized controlled trials (RCTs) and quasi-experimental (QE) controlled studies published up to March 2018, which evaluated the beneficial and deleterious effects of DAT in adults with dementia. Mean differences (MD) or standardized mean differences (SMD) and their 95% confidence intervals (95% CI) were calculated and random effects meta-analyses were performed. Certainty of evidence was assessed for RCTs estimates using the Grading of Recommendations Assessment, Development, and Evaluation (GRADE) methodology. The study protocol has been registered in PROSPERO (CRD42018090434).

Results: Ten studies (six RCTs and four QE controlled studies) were eligible for inclusion. Meta-analysis of RCTs showed no effect of DAT in daily life activities (SMD: 0.16; 95% CI: -0.80 to 1.12), depression (SMD: -0.45; 95% CI: -2.81 to 1.91), agitation (SDM: -1.12; 95% CI: -2.67 to 0.43), quality of life (SDM: 0.16; 95% CI: -0.41 to 0.73), and cognitive impairment (SDM: -0.52; 95% CI: -1.33 to 0.30), but it found a beneficial effect in apathy (1 study, n = 37, MD: 1.81; 95% CI: 1.26 to 2.36). All outcomes had a very low certainty of evidence according to GRADE methodology.

Conclusions: RCTs evidence of very low certainty suggests that, in adults with dementia, DAT has no effect in daily life activities, depression, agitation, quality of life, and cognitive impairment, although one small study found an apparent beneficial effect in apathy. More well-designed and correctly reported studies are needed in order to provide a conclusion.

Read free full text at 

 **FREE** Full text

ACTIONS

 Cite

 Favorites

SHARE



PAGE NAVIGATION

< Title & authors

Abstract

Conflict of interest statement

Figures

Similar articles

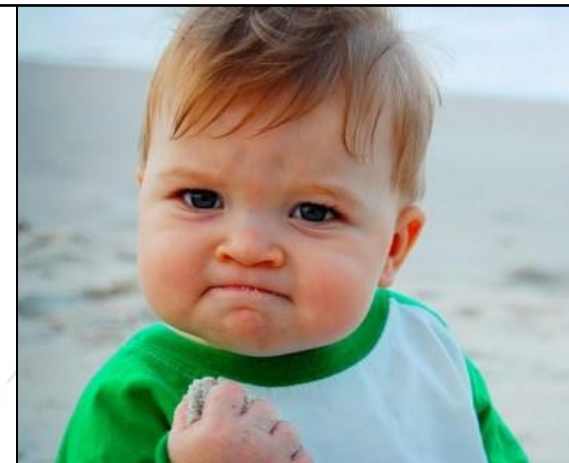
Cited by

References

Publication types

EviSalud

¡Comparar con otras RS y hacer Lectura crítica!



¿Me está diciendo que lo puedo usar o no?
¿Le creo a esta conclusión?



Búsqueda bibliográfica simple en PubMed: Temas

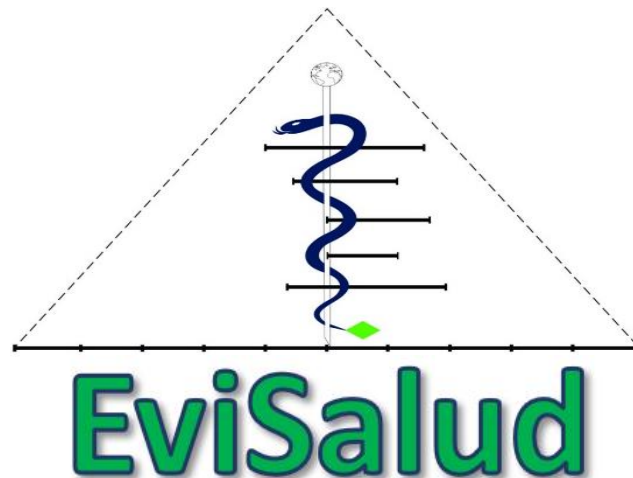
1. Conceptos básicos
2. Búsqueda en PubMed (I)
3. **Búsqueda en PubMed (II)**
4. ¿Cómo conseguir el artículo encontrado?



BÚSQUEDA BIBLIOGRÁFICA SIMPLE EN PUBMED

Búsqueda en PubMed II

Alvaro Taype-Rondán, MD, MSc
alvaro.taype.r@gmail.com



Búsqueda bibliográfica simple en PubMed: Temas

1. Conceptos básicos
2. Búsqueda en PubMed (I)
3. **Búsqueda en PubMed (II)**
4. ¿Cómo conseguir el artículo encontrado?



Búsqueda de ECA en PubMed

- **PICO:** En pacientes con demencia, ¿es eficaz la terapia asistida con animales?
- **Tipo de estudio:** ECA

Idealmente solo usar 2 de los 4 componentes del PICO



P = Población	pacientes con demencia	dementia
I = Intervención	terapia asistida con animales	animal assisted therapy
C = Comparador	-	-
O = Outcome	-	-
Tipo de estudio	ensayo clínico aleatorizado	randomized trial
Estrategia final:	dementia animal assisted therapy randomized trial	

dementia animal assisted therapy randomized trial



Search

Advanced Create alert

User Guide

Save

Email

Send to

Sorted by: Most recent



Display options

13 results

1 Comparative efficacy of non-pharmacological interventions on agitation in people with **dementia**: A systematic review and Bayesian network meta-analysis.

Leng M, Zhao Y, Wang Z.

Int J Nurs Stud. 2020 Feb;102:103489. doi: 10.1016/j.ijnurstu.2019.103489. Epub 2019 Nov 25.

PMID: 31862527 Review.

Network meta-analysis showed that massage **therapy**, **animal-assisted** intervention, and personally tailored intervention were associated with more substantial reductions in agitation compared with other interventions and controls. ...Healthcare professionals should be encouraged to apply promising non-pharmacological interventions (e.g. massage **therapy**, **animal-assisted** intervention and personally tailored intervention) for people with **dementia** during routine care....

“ Cite Share

2 **Animal-assisted therapy for dementia.**

Lai NM, Chang SMW, Ng SS, Tan SL, Chaiyakunapruk N, Stanaway F.

Cochrane Database Syst Rev. 2019 Nov 25;2019(11):CD013243. doi: 10.1002/14651858.CD013243.pub2.

PMID: 31763689 Review.

OBJECTIVES: To evaluate the efficacy and safety of **animal-assisted therapy** for people with **dementia**.
SEARCH METHODS: We searched ALOIS: the Cochrane **Dementia** and Cognitive Improvement Group's Specialised Register on 5 September 2019. ALOIS contains records of **clinical trials** identified from monthly searches of major healthcare databases, **trial** registries, and grey literature sources. ...

“ Cite Share

5 **Animal-assisted** intervention for individuals with cognitive impairment: A meta-analysis of **randomized controlled trials** and quasi-**randomized controlled trials**.

Hu M, Zhang P, Leng M, Li C, Chen L.

Psychiatry Res. 2018 Feb;260:418-427. doi: 10.1016/j.psychres.2017.12.016. Epub 2017 Dec 12.

PMID: 29268204 Review.

The aim of this meta-analysis was to systematically examine the efficacy of **animal-assisted** intervention (AAI) for cognitive impairment patients. ...Five **randomized** controlled **trials** (RCTs) and five quasi-**randomized** controlled **trials** (quasi-RCTs) involving 413 participants were included. ...

“ Cite Share

6 [Evaluation of the **animal-assisted therapy** in Alzheimer's disease].

Quibel C, Bonin M, Bonnet M, Gaimard M, Mourey F, Moesch I, Ancet P.

Soins Gerontol. 2017 May-Jun;22(125):35-38. doi: 10.1016/j.sger.2017.03.008.

PMID: 28533045 Clinical Trial. French.

Animal-assisted therapy sessions have been set up in a protected unit for patients with a **dementia**-related syndrome. The aim is to measure the effects of **animal-assisted therapy** on behavioural disorders in daily life and care. ...

“ Cite Share

7 Effect of **animal-assisted** interventions on depression, agitation and quality of life in nursing home residents suffering from cognitive impairment or **dementia**: a cluster **randomized controlled trial**.

Olsen C, Pedersen I, Bergland A, Enders-Slegers MJ, Patil G, Ihlebaek C.

Int J Geriatr Psychiatry. 2016 Dec;31(12):1312-1321. doi: 10.1002/gps.4436. Epub 2016 Jan 25.

PMID: 26807956 Clinical Trial.

METHOD: A prospective, cluster **randomized** multicentre **trial** with a follow-up measurement 3 months after end of intervention was used. ...CONCLUSIONS: **Animal-assisted** activities may have a positive effect on symptoms of depression and QoL in older people with **dementia**, especially those in a late stage. ...

“ Cite Share

Búsqueda de RS en Pubmed

Pregunta: ¿Los suplementos de vitamina D evitan fracturas en ancianos?

Tipo de artículo: RS

Nota: En este caso, solo usen la intervención y el outcome,

Idealmente solo usar 2 de los 4 componentes del PICO



P = Población	Ancianos	<i>Muchos términos</i>
I = Intervención	Suplementos de vitamina D	Vitamin D supplementation
C = Comparador	-	-
O = Outcome	Fracturas	fractures
Tipo de estudio	Revisión sistemática	(systematic review or cochrane)

Estrategia final: vitamin d supplementation fractures (systematic review or cochrane)

Save

Email

Send to

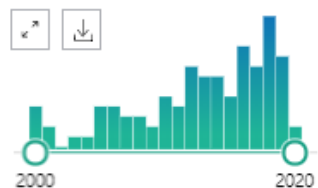
Sorted by: Most recent

Display options

MYNCBI FILTERS

96 results

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

- 1 [Influence of combined **vitamin D\(3\) supplementation** and resistance exercise training on musculoskeletal health in older men and women \(EXVITD\): protocol for a randomised controlled trial.](#)

Welford AE, Lanham-New S, Lord J, Doyle A, Robinson J, Nightingale P, Gittoes N, Greig CA. *BMJ Open*. 2020 Mar 18;10(3):e033824. doi: 10.1136/bmjopen-2019-033824. PMID: 32193264 [Free article](#).

However, very little data exist on the influence of combining the two interventions of **vitamin D supplementation** and resistance exercise training, although a recent **systematic review** provides tentative support for the current study's hypothesis that the combined intervention may further improve musculoskeletal function above exercise training alone. ...Assessments will take place at baseline and postintervention, with intermittent monitoring of **bone** turnover, calcium and **vitamin D**. ...

“ Cite ↩ Share

- 2 [The Role of Diet in Osteoporotic Fracture Healing: a Systematic Review.](#)

Chiavarini M, Naldini G, Fabiani R. *Curr Osteoporos Rep*. 2020 Mar 14. doi: 10.1007/s11914-020-00573-8. Online ahead of print. PMID: 32170532 [Review](#).

The **systematic review** was conducted according to PRISMA statement. From the literature search on PubMed and Web of Science, from January 2016 to October 2019, twelve studies were selected and resulted highly variable in samples, exposure, methods, outcomes, and outcome assessment. ...Only one study aimed to investigate the impact of nutritional status on **fracture** healing in osteoporotic patients. In this review, the role of calcium/**vitamin D supplementation** remained controversial, while sialoglycoprotein **supplementation**, phytoestrogen-rich herb extract, flavonoids, and phosphorylated peptides showed a positive effect on osteoporotic **fracture** healing....

“ Cite ↩ Share

- 3 [Vitamin D and Calcium for the Prevention of Fracture: A Systematic Review and Meta-analysis.](#)

Yao P, Bennett D, Mafham M, Lin X, Chen Z, Armitage J, Clarke R. *JAMA Netw Open*. 2019 Dec 2;2(12):e1917789. doi: 10.1001/jamanetworkopen.2019.17789. PMID: 31860103 [Free PMC article](#).

A meta-analysis of 11 RCTs (34243 participants, 2843 **fractures**, 740 hip **fractures**) of **vitamin D supplementation** alone (daily or intermittent dose of 400-30000 IU, yielding a median difference in 25[OH]D concentration of 8.4 ng/mL) did not find a reduced risk of any **fracture** (RR, 1.06; 95% CI, 0.98-1.14) or hip **fracture** (RR, 1.14; 95% CI, 0.98-1.32), but these trials were constrained by infrequent intermittent design, low daily doses of vitamin D, or an inadequate number of participants.



Búsqueda de RS en PubMed

Pregunta: ¿Se debería brindar ozono terapia para pacientes con úlceras del pie diabético?

Tipo de artículo: RS



P = Población

I = Intervención

C = Comparador

O = Outcome

Tipo de estudio

Estrategia final:

Búsqueda de RS en PubMed

Pregunta: ¿Se debería brindar ozono terapia para pacientes con úlceras del pie diabético?

Tipo de artículo: RS



P = Población

Úlceras del pie diabético

diabetic foot ulcer

I = Intervención

Ozono terapia

ozone therapy

C = Comparador

-

O = Outcome

-

Tipo de estudio

Revisión sistemática

(systematic review or cochrane)

Estrategia final:

diabetic foot ulcer ozone therapy (systematic review or cochrane)

Save

Email

Send to

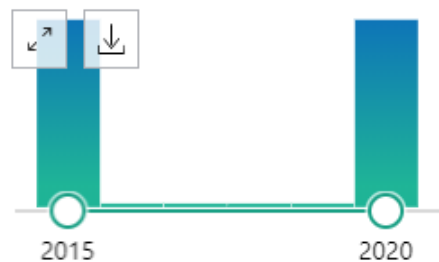
Sorted by: Most recent ↓

Display options

MYNCBI FILTERS

2 results

RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

ARTICLE TYPE

- Books and Documents
- Clinical Trial
- Meta-Analysis

1 [Guidelines on use of interventions to enhance healing of chronic **foot** ulcers in diabetes \(IWGDF 2019 update\).](#)

Rayman G, Vas P, Dhatriya K, Driver V, Hartemann A, Londahl M, Piaggese A, Apelqvist J, Attinger C, Game F; International Working Group on the Diabetic Foot (IWGDF).

Diabetes Metab Res Rev. 2020 Mar;36 Suppl 1:e3283. doi: 10.1002/dmrr.3283.

PMID: 32176450

The International Working Group on the **Diabetic Foot** (IWGDF) has published evidence-based guidelines on the prevention and management of **diabetic foot** disease since 1999. In conjunction with advice from internal and external reviewers and expert consultants in the field, this update is based on a **systematic review** of the literature centred on the following: the Population (P), Intervention (I), Comparator (C) and Outcomes (O) framework; the use of the SIGN guideline/**Cochrane** review system; and the 21 point scoring system advocated by IWGDF/EWMA. ...

“ Cite Share

2 [Ozone therapy for treating **foot** ulcers in people with diabetes.](#)

Liu J, Zhang P, Tian J, Li L, Li J, Tian JH, Yang K.

Cochrane Database Syst Rev. 2015 Oct 27;(10):CD008474. doi: 10.1002/14651858.CD008474.pub2.

PMID: 26505864 Review.

BACKGROUND: It has been reported that **ozone therapy** might be helpful in treating **foot** ulcers in people with diabetes mellitus (DM). ...SELECTION CRITERIA: We included randomised controlled trials (RCTs) that compared **ozone therapy** with sham **ozone therapy** or any other interventions for **foot** ulcers in people with DM, irrespective of publication date or language. ...



Ozone Therapy for Treating Foot Ulcers in People With Diabetes

Jian Liu ¹, Peng Zhang, Jing Tian, Lun Li, Jun Li, Jin Hui Tian, KeHu Yang

Affiliations + expand

PMID: 26505864 DOI: 10.1002/14651858.CD008474.pub2

Abstract

Background: It has been reported that ozone therapy might be helpful in treating foot ulcers in people with diabetes mellitus (DM).

Objectives: To assess the effects of ozone therapy on the healing of foot ulcers in people with DM.

Search methods: In March 2015 we searched: The Cochrane Wounds Group Specialised Register, The Cochrane Central Register of Controlled Trials (CENTRAL) (The Cochrane Library), Ovid MEDLINE, Ovid MEDLINE (In-Process & Other Non-Indexed Citations), Ovid EMBASE, EBSCO CINAHL, Science Citation Index, Chinese Biomedical Literature Database and The Chinese Clinical Registry. There were no restrictions based on language, date or study setting.

Selection criteria: We included randomised controlled trials (RCTs) that compared ozone therapy with sham ozone therapy or any other interventions for foot ulcers in people with DM, irrespective of publication date or language.

Data collection and analysis: Two reviewers independently screened all retrieved citations, selected relevant citations and extracted data. Disagreements were resolved by discussion with a third reviewer. The methodological quality of included studies and the evidence level of outcomes were assessed using the Cochrane risk of bias tool and the GRADE (Grading of Recommendations Assessment, Development and Evaluation) approach respectively. Data were expressed using risk ratio (RR) for dichotomous outcomes and mean difference (MD) for continuous outcomes with their 95% confidence interval (95% CI). Review Manager (RevMan) software was used to analyse the data.

Main results: Three studies (212 participants) were included in this review. The overall risk of bias was high for two trials and unclear for one. One trial (101 participants) compared ozone treatment with antibiotics for foot ulcers in people with DM. The study had a follow-up period of 20 days. This study showed that ozone treatment was associated with a greater reduction in ulcer area from baseline to the end of the study than treatment with antibiotics (MD -20.54 cm², 95% CI -20.61 to -20.47), and a shorter duration of hospitalisation (MD -8.00 days, 95% CI -14.17 to -1.83), but did not appear to affect the number of ulcers healed over 20 days (RR 1.10, 95% CI 0.87 to 1.40). No side effects were observed in either group. The other two trials (111 participants) compared ozone treatment plus usual care with usual care for foot ulcers in people with DM. The meta-analysis results did not show evidence of a difference between groups for the outcomes of reduction of ulcer area (MD -2.11 cm², 95% CI -5.29 to 1.07), the number of ulcers healed (RR 1.69, 95% CI 0.90 to 3.17), adverse events (RR 2.27, 95% CI 0.48 to 10.79), or amputation rate (RR 2.73, 95% CI 0.12, 64.42).

Authors' conclusions: The available evidence was three small RCTs with unclear methodology, so we are unable to draw any firm conclusions regarding the effectiveness of ozone therapy for foot ulcers in people with DM.

FULL TEXT LINKS



ACTIONS

Cite

Favorites

SHARE



PAGE NAVIGATION

Title & authors

Abstract

Similar articles

Cited by

Publication types

MeSH terms

Substances

LinkOut - more resources

EviSalud

Sin embargo, en un evento del CMP del 2019 recomendaron ozonoterapia para úlceras de pie diabético



Colegio Médico del Perú ha transmitido en directo.

20 de mayo ·

#EnVivo #CMP Simposio de Ozonoterapia en Especialidades Médicas.



Tapamos este video para que tú decidas si quieres verlo.

Tapar este video

150

41 comentarios 60 veces compartida 4.1 mil reproducciones



No podemos recomendarla debido a:

- Potencial daño físico (no queda claro riesgo/beneficio)
- Potencial daño económico (para el paciente o el sistema de salud)

Pubmed: búsqueda simple vs avanzada

PubMed.gov

dementia animal assisted therapy (systematic review or Cochrane)

Advanced Create alert Create RSS User Guide

Save Email Send to Sorted by: Best match Display options

PubMed Advanced Search Builder

Add terms to the query box

All Fields Enter a search term ADD Show Index

Query box

Enter / edit your search query here Search

History and Search Details

Search	Actions	Details	Query	Results	Time
#5	...	>	Search: dementia animal assisted therapy (systematic review or Cochrane)	15	15:22:55

... in adults: A systematic review.

Search: **dementia animal assisted therapy (systematic review or Cochrane)**

((((("dementia"[MeSH Terms] OR "dementia"[All Fields]) OR "dementias"[All Fields]) OR "dementia s"[All Fields]) AND (("animal assisted therapy"[MeSH Terms] OR (("animal"[All Fields] AND "assisted"[All Fields]) AND "therapy"[All Fields])) OR "animal assisted therapy"[All Fields])) AND (((("systematic review"[Publication Type] OR "systematic reviews as topic"[MeSH Terms]) OR "systematic review"[All Fields]) OR (((("cochran"[All Fields] OR "cochran s"[All Fields]) OR "cochrane"[All Fields]) OR "cochrane s"[All Fields]))

Pubmed: ¿Y si creamos nuestra propia búsqueda avanzada?

Búsqueda 1:

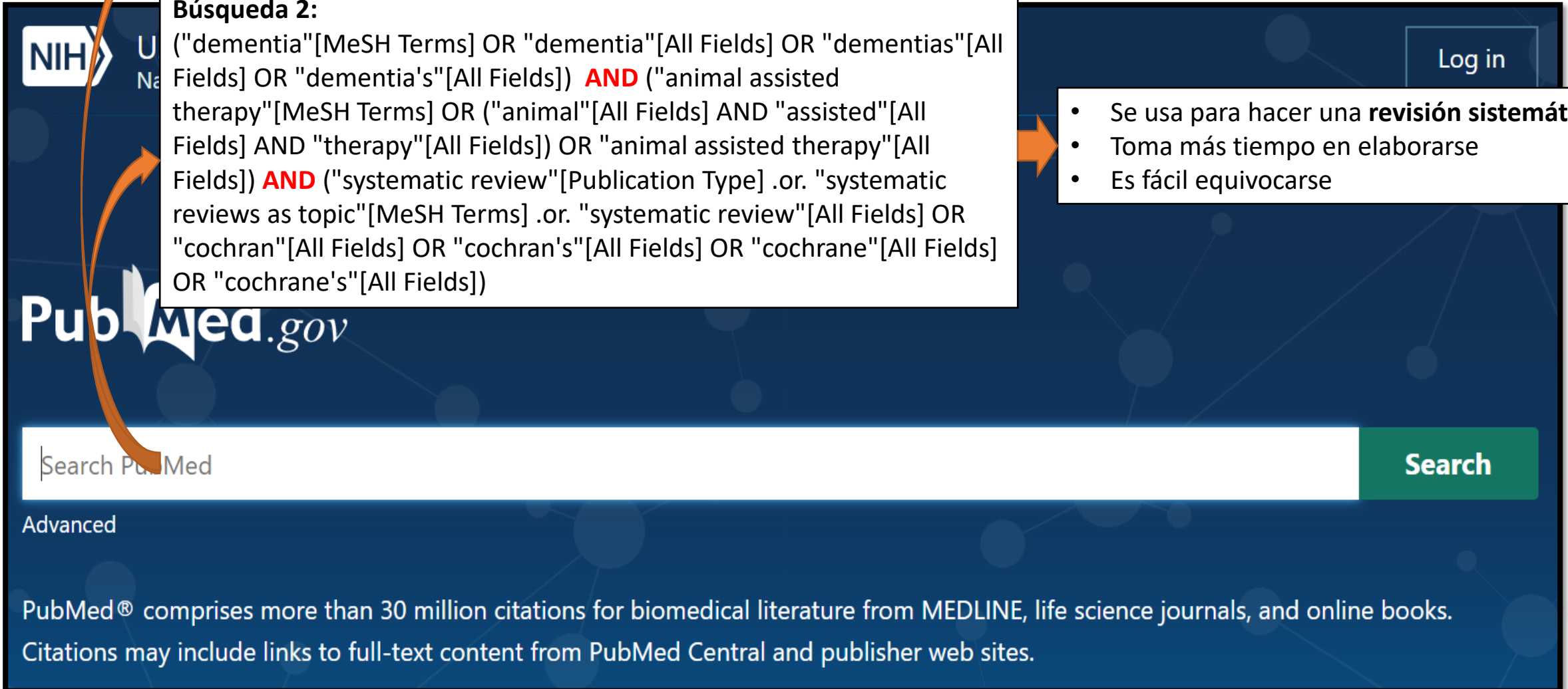
dementia animal assisted therapy (systematic review or Cochrane)

- Se usa para hacer una **búsqueda rápida**
- Se pueden elaborar rápidamente
- Es difícil equivocarse

Búsqueda 2:

("dementia"[MeSH Terms] OR "dementia"[All Fields] OR "dementias"[All Fields] OR "dementia's"[All Fields]) **AND** ("animal assisted therapy"[MeSH Terms] OR ("animal"[All Fields] AND "assisted"[All Fields] AND "therapy"[All Fields]) OR "animal assisted therapy"[All Fields]) **AND** ("systematic review"[Publication Type] .or. "systematic reviews as topic"[MeSH Terms] .or. "systematic review"[All Fields] OR "cochran"[All Fields] OR "cochran's"[All Fields] OR "cochrane"[All Fields] OR "cochrane's"[All Fields])

- Se usa para hacer una **revisión sistemática**
- Toma más tiempo en elaborarse
- Es fácil equivocarse



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.

Búsqueda “sensible” vs “específica”

Búsqueda sensible

(muchos resultados, más probabilidad de encontrar todos los estudios importantes)

covid hydroxychloroquine randomized trial

Búsqueda específica

(pocos resultados, pero puedo perder algunos estudios importantes)

covid[TI] hydroxychloroquine[TI] randomized[TI] trial[TI]

Estudios que
responden mi
pregunta

covid hydroxychloroquine randomized trial



Search

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

[User Guide](#)

Save

Email

Send to

Sorted by: Best match

Display options

MY NCBI FILTERS 

135 results



covid[TI] hydroxychloroquine[TI] randomized[TI] trial[TI]



Search

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

[User Guide](#)

Save

Email

Send to

Sorted by: Best match

Display options

MY NCBI FILTERS 

11 results



Finalmente: armar una carpeta con todos los estudios incluidos

-  Fench 2000
-  Gomez 2009
-  Robert 2019
-  Youl 1995
-  Zanders 2008
-  Zen 2005

¡Felicitaciones! Encontraste lo que buscabas



Búsqueda bibliográfica simple en PubMed: Temas

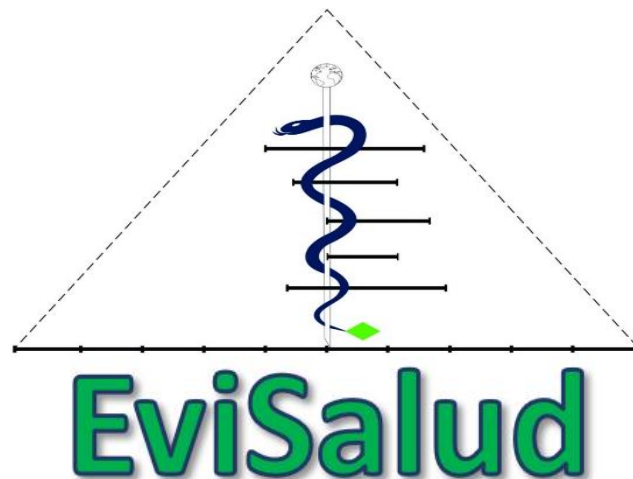
1. Conceptos básicos
2. Búsqueda en PubMed (I)
3. Búsqueda en PubMed (II)
4. ¿Cómo conseguir el artículo encontrado?



BÚSQUEDA BIBLIOGRÁFICA SIMPLE EN PUBMED

Cómo conseguir el artículo

Alvaro Taype-Rondán, MD, MSc
alvaro.taype.r@gmail.com



Búsqueda bibliográfica simple en PubMed: Temas

1. Conceptos básicos
2. Búsqueda en PubMed (I)
3. Búsqueda en PubMed (II)
4. ¿Cómo conseguir el artículo encontrado?



¿Cómo conseguir el artículo encontrado?

Multicenter Study > Tuberculosis (Edinb). 2011 May;91(3):260-7. doi: 10.1016/j.tube.2011.01.001. Epub 2011 Apr 2.

A Multicentre Evaluation of the Accuracy and Performance of IP-10 for the Diagnosis of Infection With *M. Tuberculosis*

Morten Ruhwald¹, Jose Dominguez, Irene Latorre, Monica Losi, Luca Richeldi, Maria Bruna Pasticci, Rosanna Mazzolla, Delia Goletti, Ornella Butera, Judith Bruchfeld, Hans Gaines, Irini Gerogianni, Tamara Tuuminen, Giovanni Ferrara, Jesper Eugen-Olsen, Pernille Ravn, TBNET

Affiliations + expand
PMID: 21459676 DOI: 10.1016/j.tube.2011.01.001

Abstract

IP-10 has potential as a diagnostic marker for infection with *Mycobacterium tuberculosis*, with comparable accuracy to QuantiFERON-TB Gold In-Tube test (QFT-IT). The aims were to assess the sensitivity and specificity of IP-10, and to evaluate the impact of co-morbidity on IP-10 and QFT-IT. 168 cases with active TB, 101 healthy controls and 175 non-TB patients were included. IP-10 and IFN- γ were measured in plasma of QFT-IT stimulated whole blood and analyzed using previously determined algorithms. A subgroup of 48 patients and 70 healthy controls was tested in parallel with T-SPOT.TB. IP-10 and QFT-IT had comparable accuracy. Sensitivity was 81% and 84% with a specificity of 97% and 100%, respectively. Combining IP-10 and QFT-IT improved sensitivity to 87% ($p < 0.0005$), with a specificity of 97%. T-SPOT.TB was more sensitive than QFT-IT, but not IP-10. Among non-TB patients IP-10 had a higher rate of positive responders (35% vs 27%, $p < 0.02$) and for both tests a positive response was associated with relevant risk factors. IFN- γ but not IP-10 responses to mitogen

FULL TEXT LINKS
ELSEVIER
FULL TEXT ARTICLE

ACTIONS
Cite
Favorites

SHARE
Twitter Facebook LinkedIn

PAGE NAVIGATION
Title & authors
Abstract
Similar articles
Cited by
Publication types

PDF Get Access Share Export

Choose an option to locate/access this article:

Access via your institutional login or Purchase PDF \$35.95

Access via your institutional email

Tuberculosis

Diagnostics

A multicentre evaluation of the accuracy and performance of IP-10 for the diagnosis of infection with *M. tuberculosis*

Morten Ruhwald^{a, b} ✉, Jose Dominguez^c, Irene Latorre^c, Monica Losi^d, Luca Richeldi^d, Maria Bruna Pasticci^e, Rosanna Mazzolla^f, Delia Goletti^g, Ornella Butera^g, Judith Bruchfeld^h, Hans Gainesⁱ, Irini Gerogianni^j, Tamara Tuuminen^k, Giovanni Ferrara^l, Jesper Eugen-Olsen^a, Pernille Ravn^{a, m}, on behalf of TBNETⁿ

¿Cómo conseguir el artículo encontrado?

1. Google académico
2. Sci-Hub
3. Grupos de Facebook
4. Mail a los autores



¿Cómo conseguir el artículo encontrado?

1. Google académico
2. Sci-Hub
3. Grupos de Facebook
4. Mail a los autores



1. Google académico

google academico

Todos Libros Imágenes Noticias Videos Más

Cerca de 11,300,000 resultados (0.51 segundos)

scholar.google.es › schhp

Google Académico - Google Scholar

Cualquier idioma. Buscar sólo páginas en español. Artículos sobre COVID-19.
JAMA · Lancet · Cell · BMJ · Nature · Science · Elsevier · Oxford.

Google Académico

Cualquier momento Desde 2014 Desde 2013 Desde 2010 Intervalo específico...

Cualquier idioma Buscar sólo páginas en español

Artículos sobre COVID-19

CDC	NEJM	JAMA	Lancet	Cell	BMJ
Nature	Science	Elsevier	Oxford	Wiley	medRxiv

A hombros de gigantes

Google A multicentre evaluation of the accuracy and performance of IP-10 for the diagn

Académico Aproximadamente 247 resultados (0,16 s)

Artículos Quizás quisiste decir: **A multicenter** evaluation of the accuracy and performance of IP-10 for the diagnosis of infection with *M. tuberculosis*

Mi biblioteca ¡Nuevo!

Sugerencia: Buscar solo resultados en español. Puedes especificar el idioma de búsqueda en Configuración de Google Académico.

A multicentre evaluation of the accuracy and performance of IP-10 for the diagnosis of infection with *M. tuberculosis*

Cualquier momento Desde 2014 Desde 2013 Desde 2010 Intervalo específico...

M. Ruhwald, J Dominguez, I Latorre, M Losi, L Richeldi... - **Tuberculosis**, 2011 - Elsevier

IP-10 has potential as a **diagnostic** marker for **infection** with *Mycobacterium tuberculosis*, with comparable **accuracy** to QuantiFERON-TB Gold In-Tube test (QFT-IT). The aims were to assess the sensitivity and specificity of **IP-10**, and to **evaluate** the impact of co-morbidity on ... Citado por 45 Artículos relacionados **Las 5 versiones** Citar Guardar

Interferon- γ release assays for the **diagnosis** of latent *Mycobacterium tuberculosis* infection: a **systematic review and meta-analysis**

..., GB Migliori, A Nienhaus, M Ruhwald... - **European Respiratory Journal**, 2011 - Eur Respiratory Soc

... An alternative way to **evaluate** sensitivity, which cannot be assessed directly in this context, is through comparison of the ... freezing of cells; studies involving patients whose **diagnosis** of active **tuberculosis** relied solely on clinical **evaluation** or radiological ... In a study by Clark et al. ... Citado por 209 Artículos relacionados Las 13 versiones Citar Guardar

Ordenar por relevancia Ordenar por fecha

Buscar en la Web **[LIBRO] Updated guidelines for using interferon gamma release assays to detect *Mycobacterium tuberculosis* infection, United States, 2010**

GH Mazurek, JA Jereb, A Vernon, P LoBue, S Goldberg... - 2010 - cdc.gov

... of immunodiagnostic tests for active **tuberculosis** using single and combined results: a **multicenter** TBNET-Study. ... of T-SPOT.TB assay and tuberculin skin test for the **evaluation** of young ... A comparative study of two different methods for the detection of latent tuberculosis in HIV

ersjournals.com [PDF] cdc.gov [HTML]

1. Google académico

The screenshot shows the Google Scholar interface. At the top, there is a search bar with the Google Scholar logo and a search icon. Below the search bar, it indicates 'Articles' and '12 results (0.05 sec)'. On the right side, there is a 'My profile' link. The main content area displays a list of search results. The first result is highlighted with a red rounded rectangle. To the right of the search results, there is a vertical list of links, also highlighted with a red rounded rectangle. The links are: [HTML] biomedcentral.com, [HTML] nih.gov, and [HTML] europepmc.org. The search results list includes the following entries:

All versions

- [\[HTML\] Prevalence of chronic kidney disease in Peruvian primary care setting](#)
P Herrera-Añazco, A Taype-Rondan... - BMC ..., 2017 - bmcnephrol.biomedcentral.com
Chronic Kidney Disease (CKD) is a worldwide public health problem. There are few studies in Latin America, especially in primary care settings. Our objective was to determine the prevalence, stages, and associated factors of CKD in primary care setting. We did a ...
☆ 77 Cited by 9 Related articles
- [\[HTML\] Prevalence of chronic kidney disease in Peruvian primary care setting](#)
P Herrera-Añazco, A Taype-Rondan... - BMC ..., 2017 - ncbi.nlm.nih.gov
Background Chronic Kidney Disease (CKD) is a worldwide public health problem. There are few studies in Latin America, especially in primary care settings. Our objective was to determine the prevalence, stages, and associated factors of CKD in primary care setting ...
- [\[HTML\] Prevalence of chronic kidney disease in Peruvian primary care setting.](#)
P Herrera-Añazco, A Taype-Rondan... - BMC ..., 2017 - europepmc.org
Background Chronic Kidney Disease (CKD) is a worldwide public health problem. There are few studies in Latin America, especially in primary care settings. Our objective was to determine the prevalence, stages, and associated factors of CKD in primary care setting ...
- [Prevalence of chronic kidney disease in Peruvian primary care setting.](#)
P Herrera-Añazco, A Taype-Rondan... - BMC ..., 2017 - search.ebscohost.com
Abstract < bold> Background: </bold> Chronic Kidney Disease (CKD) is a worldwide public health problem. There are few studies in Latin America, especially in primary care settings. Our objective was to determine the prevalence, stages, and ...

¿Cómo conseguir el artículo encontrado?

1. Google académico
2. **Sci-Hub**
3. Grupos de Facebook
4. Mail a los autores



Sci-hub: un dilema ético

Sci-Hub and medical practice: an ethical dilemma in Peru

Sci-Hub is a pirate repository of scientific papers launched in 2011, and currently hosts more than 46 million articles. Thousands of people use this repository every day to access information, reaching more than 200 000 daily downloads of scientific articles that they would otherwise have to buy.¹

We present a dilemma in the form of Dr J, a Peruvian physician who is evaluating a patient with several infectious and chronic comorbidities—an experience not uncommon to clinicians in countries, like Peru, that experience the double burden of disease. Dr J believes he needs to review recent medical literature to decide the best management of this complex patient. However, his sources are scarce: his medical books are old and outdated; the medical conferences that he has attended in his country have not delved into this subject (and have serious conflicts of interest for being largely funded by players in the pharmaceutical industry); he does not have institutional access to the

(an illegal medium) to access the information required to provide the best and most timely care for their patients?

In recent years there has been an increase in open access journals, which do not have subscription plans or payments to access their content. Additionally, Harvard University's Global Health Delivery Online (GHDonline.org) recently started a 1-year complementary international grant subscription programme to UpToDate, an evidence-based, physician-authored clinical decision support tool. Nevertheless, there is still a long way to go before clinicians worldwide have access to the papers and information they need to care for a growing and diverse set of patients. Meanwhile, many of the world's physicians, like Dr J, will continue to face this ethical dilemma to access information every day.

We declare no competing interests.

Copyright © The Author(s). Published by Elsevier Ltd. This is an Open Access article under the CC BY license.

Guido Bendezú-Quispe,
Wendy Nieto-Gutiérrez,
Josmel Pacheco-Mendoza,
*Alvaro Taype-Rondan
alvaro.taype.r@upch.pe

Es ilegal usarlo

Acceso a cerca del 90% de los artículos científicos de interés.

Puede mejorar el manejo de mis pacientes, y por tanto su salud



¿Cómo conseguir el artículo encontrado?

1. Google académico
2. Sci-Hub
3. Grupos de Facebook
4. Mail a los autores



3. Grupos de Facebook

SIN PITT ES IMPOSIBLE LA RESIDENCIA!!!!!!!!!!!!!!
5 min · 🌐

buenas tardes, necesito ayuda con éste link
<http://www.journalofclinicalvirology.com/.../S1386-6.../abstract>
gracias 😊



Clinical Microbiology and Infection

Risk factors for human papillomavirus infection in Shanghai suburbs: A population-based study...

To view the full text, please login as a subscribed user or purchase a subscription. Click here to view the full text on ScienceDirect.

JOURNALOFCLINICALVIROLOGY.COM

Me gusta · Comentar · Compartir

👍 A Susy Bazán Ruiz le gusta esto.

<http://lib.gen.in/.../MTAuMTAxNi9qLmpjdi4yM.../zhang2013.pdf>
1 min · Me gusta

Solicita tu Artículo Científico(Article Request)
5 min · 🌐

Que tal? porfavor alguien me podría ayudar con este artículo?
<http://jama.jamanetwork.com/article.aspx...>
Gracias de antemano


Does This Patient Have Dementia?

Context While as many as 5 million individuals in the United States have dementia, many others have memory complaints. Brief tests to screen for cognitive impairment could help guide dementia diagnosis. Objective To review the literature concerning the practicality and accuracy of brief cognitive...

JAMA.JAMANETWORK.COM

Me gusta · Comentar · Compartir

Jossue Espinoza Figueroa



NO LO AYUDEN

6 de abril a las 22:34

Buenas noches. Podrian ayudar con este articulo por favor...es urgente.
Muchas gracias
10.1097/PRS.0000000000006829

1 2 comentarios


Me gusta Comentar

Ese artículo no existe Doctor

ha compartido un enlace.
12 de abril a las 3:23

https://journals.lww.com/.../03000/Thyroid_Nodule_Guidelines... ✓

Seria tan gentil este articulo por favor



ANNALS OF SURGERY

JOURNALS.LWW.COM

Thyroid Nodule Guidelines : Annals of Surgery ✓

An abstract is unavailable.

2 comentarios

Me gusta Comentar

esta gratuito, solo dar clic en el pdf.


¿Cómo conseguir el artículo encontrado?

1. Google académico
2. Sci-Hub
3. Grupos de Facebook
4. **Mail a los autores**



Mail al autor

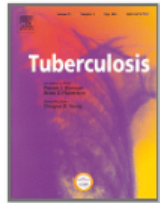
PDF Get Access Share Export



ELSEVIER

Tuberculosis

Volume 91, Issue 3, May 2011, Pages 260-267



Diagnostics

A multicentre evaluation of the accuracy and performance of IP-10 for the diagnosis of infection with *M. tuberculosis*

Morten Ruhwald ^{a, b} ✉, Jose Dominguez ^c, Irene Latorre ^c, Monica Losi ^d, Luca Richeldi ^d, Maria Bruna Pasticci ^e, Rosanna Mazzolla ^f, Delia Goletti ^g, Ornella Butera ^g, Judith Bruchfeld ^h, Hans Gaines ⁱ, Irini Gerogianni ^j, Tamara Tuuminen ^k, Giovanni Ferrara ^l, Jesper Eugen-Olsen ^a, Pernille Ravn ^{a, m}, on behalf of TBNET ⁿ

Morten Ruhwald

Clinical Research Centre 136,
Copenhagen University, Hvidovre
Hospital, 2650 Hvidovre, Denmark

Department of Infectious Diseases
144, Copenhagen University,
Hvidovre Hospital, 2650 Hvidovre,
Denmark

✉ Corresponding author. Clinical
Research Centre 136, Copenhagen
University, Hvidovre Hospital, 2650
Hvidovre, Denmark. Tel.: +45
36323632; fax: +45 36323405.

✉ mruhwald@gmail.com

Mail al autor



Dear [REDACTED]
My name is [REDACTED]. I am in second year of a
Medicine school from Peru (Universidad San Martin de
Porres)
I am currently writing a research paper about
knowledge, attitudes and practice towards research
in university teachers, to make them future research
advisors for undergraduates, for which I would find
very useful reading your article entitled "The Role
of Student-Advisor Interactions in Apprenticing
Undergraduate Researchers into a Scientific
Community of Practice", published on the *Journal of
Science Education and Technology* in 2010
However, my limited economic resources prevent me
from accessing that article online. I would greatly
appreciate if you could send me said paper to help
my research.
Thank you for your time :)!
Best regards,



Búsqueda bibliográfica simple en PubMed: Temas

1. Conceptos básicos
2. Búsqueda en PubMed (I)
3. Búsqueda en PubMed (II)
4. ¿Cómo conseguir el artículo encontrado?



Siguiente paso:

- Resolver el taller 1 en la plataforma

