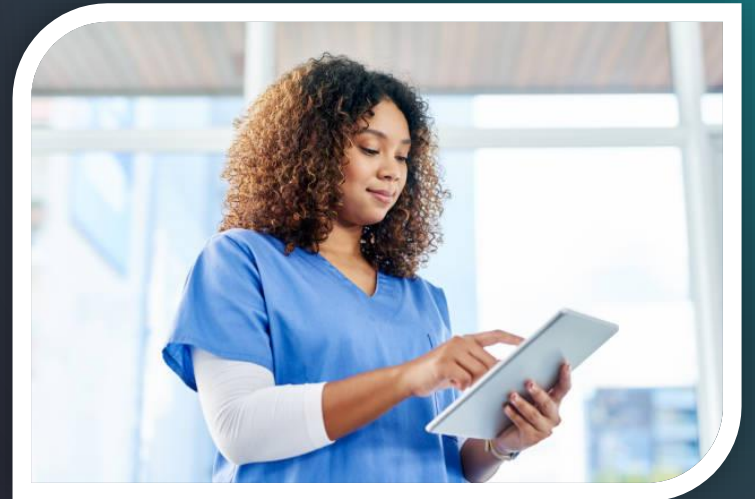
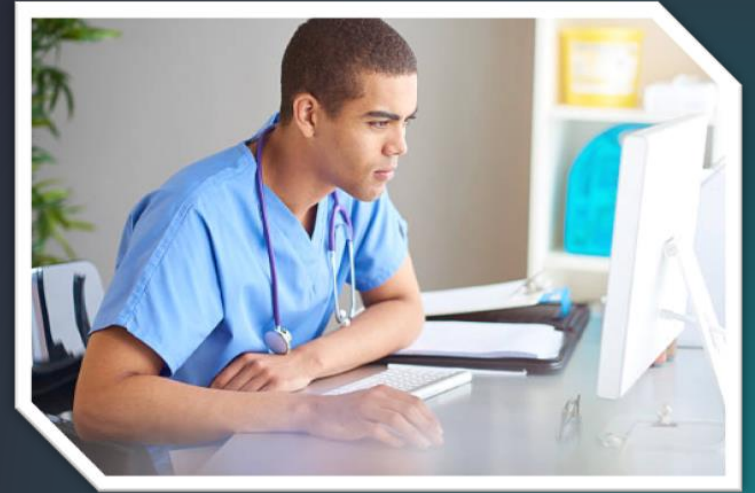


Metodologia de cerca i bases de dades

TFG Medicina, 2025

CRAI

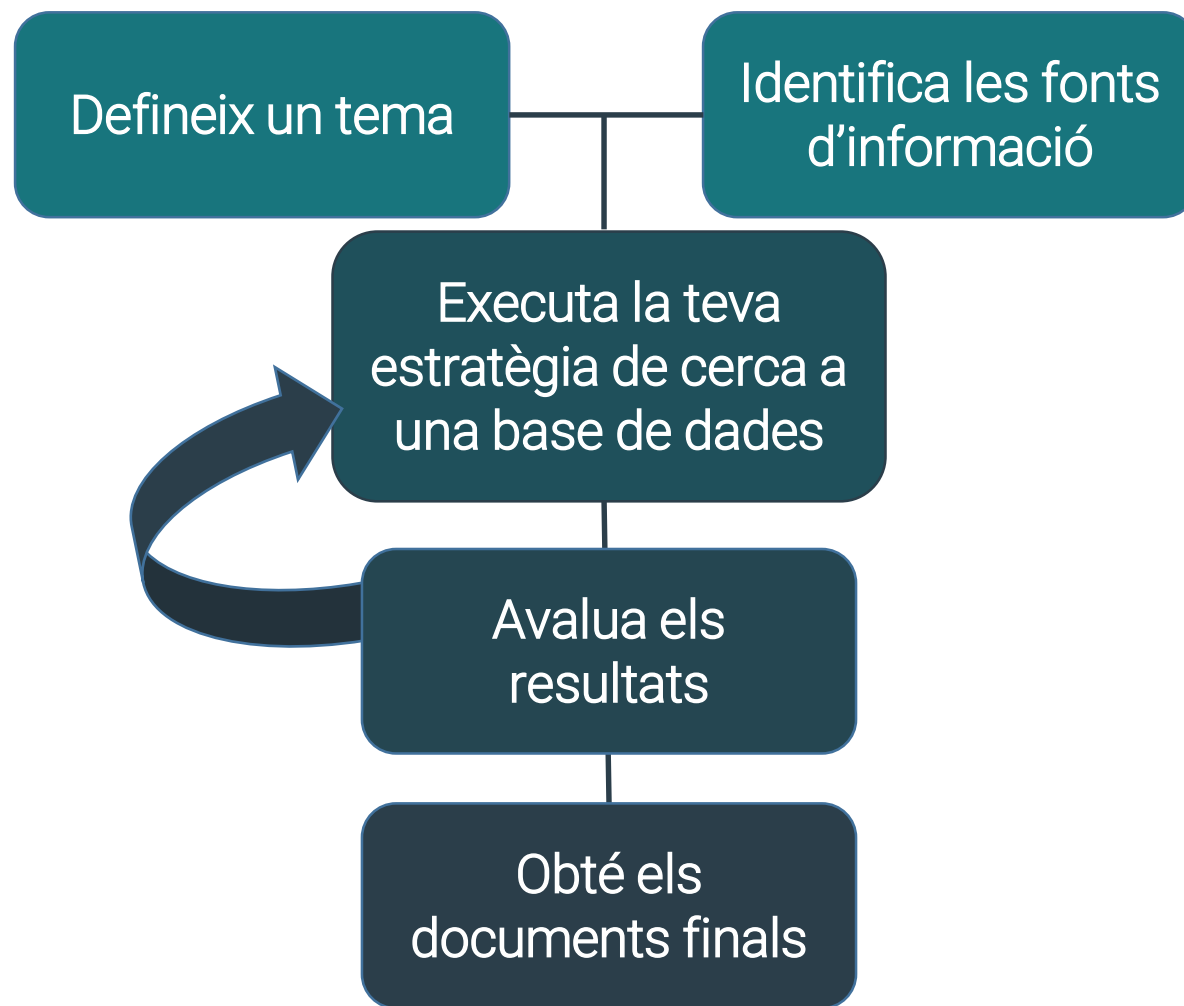
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Sumari

- [Principis bàsics de la cerca documental](#)
- [Com desenvolupar una estratègia de cerca](#)
- [Com aplicar i guardar l'estratègia a *Pubmed*](#)
- [Com accedir al text complet](#)
- [CENTRAL \(Cochrane Library\)](#)
- [Scopus](#)
- [Eines basades en intel·ligència artificial](#)

Principis bàsics de la cerca documental



**Com desenvolupar
una estratègia de cerca**



Traducció de la pregunta d'investigació

- L'estratègia de cerca coincideix amb PICO?



Operadors booleans i de proximitat

- Els operadors estan usats correctament?



Encapçalaments de matèria (específics)

- Són els encapçalaments rellevants?



Cerca per llenguatge lliure (*free text*)

- La cerca inclou sinònims, acrònims...



Ortografia, sintaxi i números de línia



Límits i filtres

- Els filtres i els límits estan utilitzats correctament i són rellevants per a la pregunta de recerca?

Font: McGowan J, Sampson M, Salzwedel DM, Cogo E, Foerster V, Lefebvre C. *PRESS Peer Review of Electronic Search Strategies: 2015 Guideline Statement*. J Clin Epidemiol. 2016 Jul;75:40-6. doi: 10.1016/j.jclinepi.2016.01.021. Epub 2016 Mar 19.

- Aplicar el mètode PICO
- Seleccionar les paraules clau (*keywords*) o els termes MeSH
- Emprar operadors i la sintaxi de cerca

PICO Formula

PICO

The acronym used to help formulate a well-defined searchable question.

P

- Patient, population or problem: What are the most important characteristics of the patient and their health status?

I

- Intervention/Exposure: What main intervention are you considering (medical, surgical, preventative)?

C

- Comparison: What are the alternative benchmark or gold standards being considered, if any?

O

- Outcome: What is the estimated likelihood of a clinical outcome attributable to a specific disease, condition or injury?

Effect of bag-mask ventilation vs endotracheal intubation during cardiopulmonary resuscitation on neurological outcome after out-of-hospital cardiopulmonary arrest. JAMA. 2018; 319:779–87.

PICO

Població: pacients amb aturada cardiopulmonar extrahospitalària

Intervenció / Indicador: gestió de les vies respiratòries

Comparació: ventilació per mascareta vs. intubació endotraqueal

Resultats: supervivència de 28 dies amb resultat neurològic favorable

MeSH terms

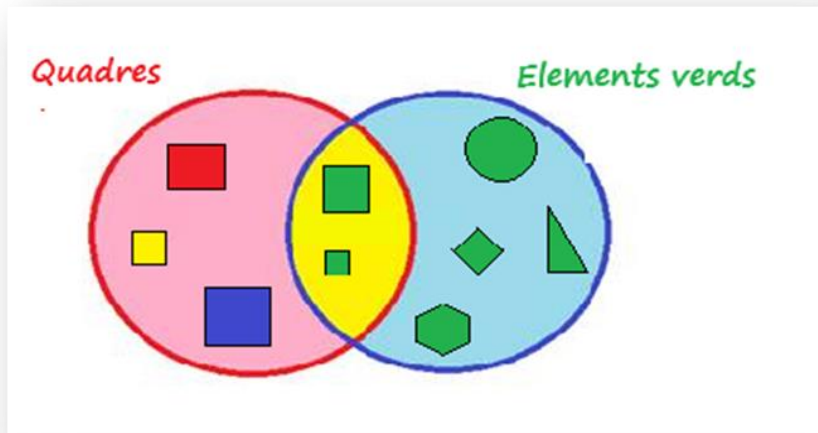
- Advanced Cardiac Life Support / methods*
- Aged
- Belgium
- Emergency Medical Services
- Female
- France
- Humans
- Intention to Treat Analysis
- Intubation, Intratracheal*
- Laryngeal Masks*
- Male
- Middle Aged
- Nervous System Diseases / etiology
- Out-of-Hospital Cardiac Arrest / complications
- Out-of-Hospital Cardiac Arrest / mortality
- Out-of-Hospital Cardiac Arrest / therapy*

Paraules clau:

adult; aged; Article; assisted ventilation; bag mask ventilation; Belgium; cardiopulmonary insufficiency; comparative effectiveness; controlled study; endotracheal intubation; esophagus intubation; extubation; female; France; gastroesophageal reflux; hospital admission; human; intention to treat analysis; major clinical study; male; mental performance; middle aged; multicenter study; out of hospital cardiorespiratory arrest; priority journal; randomized controlled trial; resuscitation; return of spontaneous circulation; survival rate; tooth injury; clinical trial; comparative study; complication; emergency health service; laryngeal mask; mortality; neurologic disease; out of hospital cardiac arrest; procedures; resuscitation

PICO	Primers termes	Paraules/frases clau en articles	Thesaurus (MeSh terms)
P	Cardiac arrest Out-of- hospital cardiac arrest	Cardiac arrest Heart arrest Out-of- hospital cardiac arrest OHCA	Out-of hospital cardiac arrest Heart Arrest
I	Airway management	Airway management	Airway management
C	Bag mask ventilation Endotracheal intubation	Bag mask ventilation Endotracheal intubation	Intubation, Intratracheal ---
O	Survival Neurological outcome	Neurological outcome Favorable neurological function	--- ---

DIAGRAMA DE VENN



- AND = quadres **AND** verds
- NOT = quadres **NOT** verds
- OR = quadres **OR** verds

BOOLEAN OPERATORS

Utilizing **Boolean Operators** when searching will provide better, and more accurate, results

AND

- Retrieves articles that contain **ALL** the terms
- **NARROWS** down the search

"child obesity" **AND** Maryland
"video games" **AND** teens

OR

- Retrieves articles with **ANY** of the terms
- **BROADENS** the search

depression **AND** teens
NOT adults
"video games" **AND**
teenagers **NOT**
children

NOT

- Eliminates articles containing the **SECOND** term
- **NARROWS** the search

obesity **OR**
overweight
children **OR**
juveniles

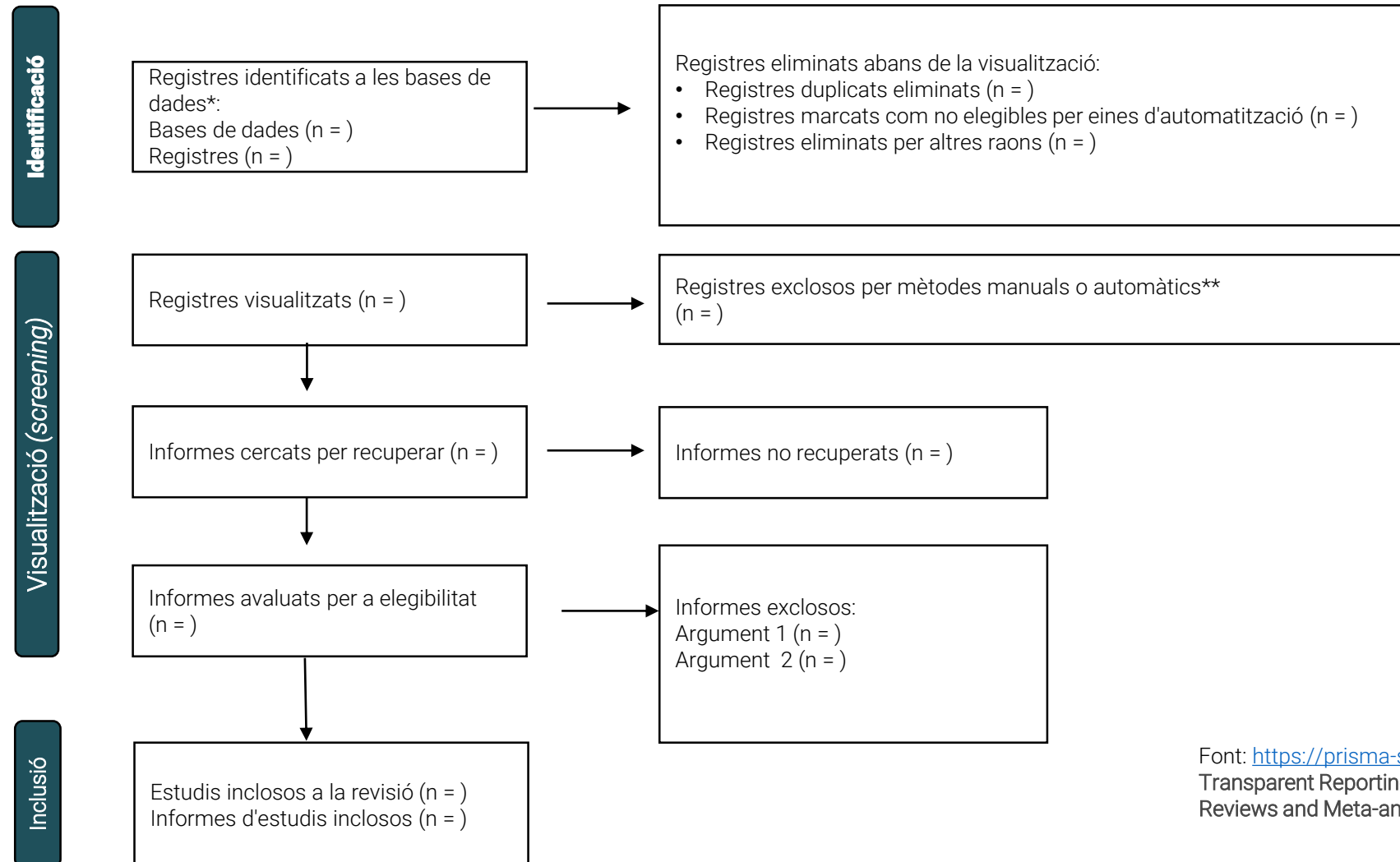
Acció	Element	Resultat	Exemple
Truncar	xxx*	Troba paraules que comparteixen la mateixa arrel	Neurologic*
Frases	"xxx yyy"	Troba dues paraules juntes amb el mateix ordre	"Out-of-Hospital Cardiac Arrest"
Conjunts	(xxx AND yyy) (xxx OR yyy) (xxx NOT yyy)	Genera un conjunt de cerca	("Neurological outcome" OR "Favorable neurological function")



PRISMA 2020 statement: an updated guideline for reporting systematic reviews



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Font: <https://prisma-statement.org/>
Transparent Reporting of Systematic
Reviews and Meta-analyses

**Com aplicar
i guardar l'estratègia
de cerca a *PubMed***

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

PubMed®

Search

Advanced

PubMed® comprises more than 38 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 screenshot shows the PubMed search interface. At the top, the NIH logo and 'National Library of Medicine' text are visible, along with a 'Log in' button. The PubMed.gov logo is on the left. The search bar contains the text 'Out of hospital cardíac arrest airway management'. Below the search bar are links for 'Advanced', 'Create alert', and 'Create RSS', and a 'User Guide' link. Below the search bar are buttons for 'Save', 'Email', and 'Send to'. To the right of these buttons is 'Sorted by: Best match' and a 'Display options' button with a gear icon. At the bottom, there is a 'MY NCBI FILTERS' link, '611 results', and pagination controls showing 'Page 1 of 62'.

NIH National Library of Medicine
National Center for Biotechnology Information

Log in

PubMed.gov

Out of hospital cardíac arrest airway management

Search

Advanced Create alert Create RSS User Guide

Save Email Send to

Sorted by: Best match Display options

MY NCBI FILTERS

611 results

Page 1 of 62

Recomanable per saber si és un tema amb molta literatura, què s'ha publicat i quan (actualitat)

- Primer realitza una cerca simple d'aproximació
- Llegeix les 5 primeres referències
- Obté les paraules clau i els termes MeSH

He obtingut
molts resultats
i poc rellevants

Prioritza la cerca
per **termes MeSH**

He obtingut
pocs resultats

Combina **keywords** amb termes MeSH
(cancer OR neoplasm* OR carcinoma)

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



NIH National Library of Medicine
National Center for Biotechnology Information

MeSH MeSH Search

[Limits](#) [Advanced](#)

Thesaurus: Llistat de termes que s'utilitzen per a la representació de conceptes

MeSH: Medical Subject Headings (I)



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 **National Library of Medicine**
National Center for Biotechnology Information

MeSH

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

Summary ▼

Send to: ▼

Search results

Items: 5

☐ [Heart Arrest](#)

1. Cessation of heart beat or MYOCARDIAL CONTRACTION. If it is treated within a few minutes, **heart arrest** can be reversed in most cases to normal cardiac rhythm and effective circulation.
Year introduced: ASYSTOLE was see under ARRHYTHMIA 1969-1990

☐ [Out-of-Hospital Cardiac Arrest](#)

2. Occurrence of **heart arrest** in an individual when there is no immediate access to medical personnel or equipment.
Year introduced: 2011

MeSH: Medical Subject Headings (II)



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Heart Arrest

Cessation of heart beat or MYOCARDIAL CONTRACTION. If it is treated within a few minutes, heart arrest can be reversed in most cases to normal cardiac rhythm and effective circulation.

Year introduced: ASYSTOLE was see under ARRHYTHMIA 1969-1990

PubMed search builder options

[Subheadings:](#)

- | | | |
|--|---------------------------------------|---|
| ☐ blood | ☐ enzymology | ☐ pathology |
| ☐ cerebrospinal fluid | ☐ epidemiology | ☐ physiopathology |
| ☐ chemically induced | ☐ ethnology | ☐ prevention and control |
| ☐ classification | ☐ etiology | ☐ psychology |
| ☐ complications | ☐ genetics | ☐ radiotherapy |
| ☐ congenital | ☐ history | ☐ rehabilitation |
| ☐ diagnosis | ☐ immunology | ☐ surgery |
| ☐ diagnostic imaging | ☐ metabolism | ☐ therapy |
| ☐ diet therapy | ☐ microbiology | ☐ urine |
| ☐ drug therapy | ☐ mortality | ☐ veterinary |
| ☐ economics | ☐ nursing | ☐ virology |
| ☐ embryology | ☐ parasitology | |

☐ Restrict to MeSH Major Topic.

☐ Do not include MeSH terms found below this term in the MeSH hierarchy.

Keywords o
paraules clau

Tree Number(s): C14.280.383

MeSH Unique ID: D006323

Entry Terms:

- Arrest, Heart
- Cardiac Arrest
- Arrest, Cardiac
- Asystole
- Asystoles
- Cardiopulmonary Arrest
- Arrest, Cardiopulmonary

Arbre jeràrquic

See Also:

- [Heart Arrest, Induced](#)
- [Cardiopulmonary Resuscitation](#)

[All MeSH Categories](#)

[Diseases Category](#)

[Cardiovascular Diseases](#)

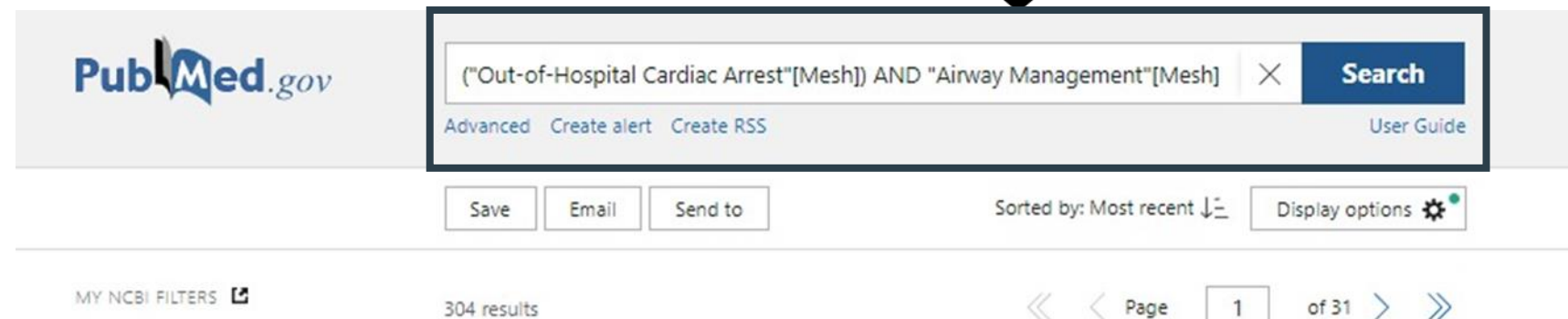
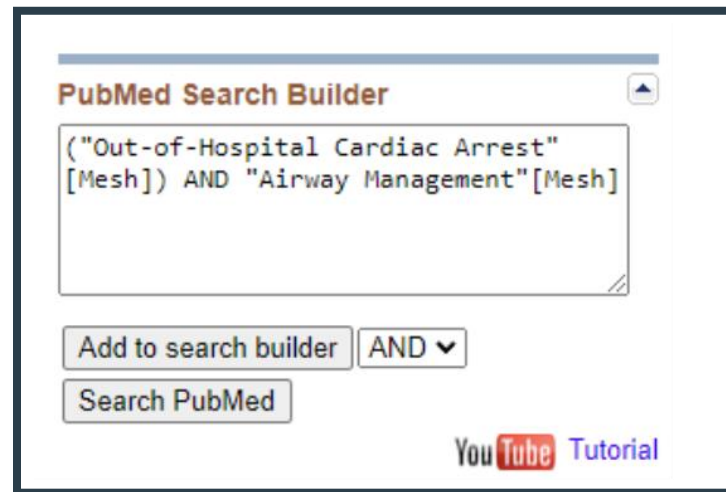
[Heart Diseases](#)

Heart Arrest

[Death, Sudden, Cardiac](#)

[Karoshi Death](#)

[Out-of-Hospital Cardiac Arrest](#)



PubMed Advanced Search Builder

PubMed.gov
[User Guide](#)

Add terms to the query box

Text Word  Enter a search term 

OR 
[Show Index](#)

Query box

(Neurological outcome[Text Word]) OR (Favorable neurological function[Text Word]) 

Search 

Cerca paraules clau en títol, resum o matèria

PICO	MeSH terms	Keywords	Estratègia	Operador
P	Cardiac arrest Out-of- hospital cardiac arrest	Cardiac arrest Heart arrest Out-of- hospital cardiac arrest	"Out-of hospital cardiac arrest" OR OHCA OR "Heart Arrest" OR "Cardiac arrest"	AND
I	Airway management	Airway management	Airway management	AND
C	Bag mask ventilation Endotracheal intubation	Bag mask ventilation Endotracheal intubation	"Bag mask ventilation" OR "Endotracheal intubation"	AND
O	Survival Neurological outcome	Neurological outcome Favorable neurological function	"Neurological outcome" OR "Favorable neurological function" OR "Survival"	AND

History and Search Details

 Download  Delete

Search	Actions	Details	Query	Results	Time
#6	...	>	Search: #1 AND #2 AND #3 AND #4 Filters: in the last 10 years	78	10:13:57
#5	...	>	Search: #1 AND #2 AND #3 AND #4	129	10:13:49
#4	...	>	Search: "Neurological outcome"[Text Word] OR "Favorable neurological function"[Text Word] OR "Survival"[Text Word]	1,651,702	10:12:58
#3	...	>	Search: "Bag mask ventilation"[Text Word] OR "Endotracheal intubation"[Text Word]	12,594	10:12:28
#2	...	>	Search: Airway management[MeSH Terms]	139,026	10:11:56
#1	...	>	Search: "Out-of hospital cardiac arrest"[Text Word] OR OHCA[Text Word] OR "Heart Arrest"[Text Word] OR "Cardiac arrest"[Text Word]	71,924	10:11:25

Showing 1 to 6 of 6 entries

Pubmed: Alertes i My NCBI (I)

Search	Actions	Details	Query	Results	Time
#6	...	>	Search: #1 AND #2 AND #3 AND #4 Filters: in the last 10 years	78	10:13:57
#5	...	>	Search: #1 AND #2 AND #3 AND #4	129	10:13:49
#4	...	>	Search: "Neurological outcome"[Text Word] OR "Favorable neurological function"[Text Word] OR "Survival"[Text Word]	1,651,702	10:12:58
#3	...	>	Search: "Bag mask ventilation"[Text Word] OR "Endotracheal intubation"[Text Word]	12,594	10:12:28
#2	...	>	Search: Airway management[MeSH Terms]	139,026	10:11:56
#1	...	>	Search: Out-of hospital cardiac arrest"[Text Word] OR OHCA[Text Word] OR "Heart Arrest"[Text Word] OR "Cardiac arrest"[Text Word]	71,924	10:11:25

Showing 1 to 6 of 6

Add query

Delete

Create alert



Pubmed: Alertes i My NCBI (II)

Search	Actions	Details	Query	Results	Time
#6	...	>	Search: #1 AND #2 AND #3 AND #4 Filters: in the last 10 years	78	10:13:57
#5	...	>	Search: #1 AND #2 AND #3 AND #4	129	10:13:49
#4	...	>	Search: "Neurological outcome"[Text Word] OR "Favorable neurological function"[Text Word] OR "Survival"[Text Word]	1,651,702	10:12:58
#3	...	>	Search: "Bag mask ventilation"[Text Word] OR "Endotracheal intubation"[Text Word]	12,594	10:12:28
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Showing 1 to 6 of 6

[Add query](#)
[Delete](#)
[Create alert](#)



Your saved search

* Name of saved search:

* Search terms:
[Test search terms](#)

Would you like email updates of new search results?

☒ Yes
☐ No

Email: **zaborras@ub.edu** [\(change\)](#)

Frequency:

Which day?

Report format:

Send at most:

☐ Send even when there aren't any new results

Optional text in email:

Més opcions:

 **National Library of Medicine**
National Center for Biotechnology Information

PubMed Advanced Search Builder

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**Com accedir
al text complet**

Accés als documents (I)



- Accés al text complet des de la base de dades (ex. *PubMed Central*)
- Revistes en accés obert
- Publicacions subscrietes per la UB
- RapidILL

<https://cercabib.ub.edu/>



Observational Study > Emerg Med Australas. 2019 Feb;31(1):76-82.
doi: 10.1111/1742-6723.13107. Epub 2018 May 11.

Influence of prehospital airway management on neurological outcome in patients transferred to a heart attack centre following out-of-hospital cardiac arrest

Timothy Edwards¹, Julia Williams², Michaela Cottee³

Affiliations + expand

PMID: 29752776 DOI: 10.1111/1742-6723.13107



La icona del Cercabib
es mostra quan l'NCBI
és UB

ACTIONS



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CRAI UB

<https://crai.ub.edu/ca/que-ofereix-el-crai/acces-recursos/acces-recursos-proxy>

CENTRAL
(Cochrane Library)

Cochrane Central Register of Controlled Trials

Recull registres recuperats de:

- **Pubmed / Medline**
- **Embase**
- Registres d'assaigs clínics:
 - **ClinicalTrials.gov**
 - **ICTRP** (International Clinical Trials Registry Platform, World Health Organization)
 - **CINAHL** (Cumulative Index of Nursing and Allied Health)
 - **KoreaMed**
 - **Grupo Cochrane de Revisión** (inclusió manual d'altres fonts)

CENTRAL: Tipus de cerca

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<https://www.cochranelibrary.com/es/>



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Título Resumen Palabra clave ▼



Buscar por tema

Búsqueda avanzada

Revisiones Cochrane ▼

Ensayos ▼

Respuestas Clínicas ▼

Acerca de ▼

Ayuda ▼

Acerca de Cochrane ►



Factores que influyen en la vacunación del VPH
Leer la revisión



Dejar el tabaco sin humo
Leer la revisión



Tratamientos para el dolor lumbar
Leer la revisión

Búsqueda avanzada

Tenga en cuenta que la búsqueda avanzada está optimizada para términos de búsqueda en inglés. Ciertas funciones, como los operadores y las búsquedas por términos MeSH y PICO, solo están disponibles en inglés.

Búsqueda

Gestor de búsqueda

Términos del vocabulario MeSH

Búsqueda PICO

Guardar búsqueda

Ver búsquedas guardadas

Ayuda

¿Sabía que ahora puede seleccionar campos en el Gestor de búsqueda usando el botón **S** (al lado del cuadro de búsqueda)?

El Gestor de búsqueda le permite agregar líneas de búsqueda ilimitadas, ver los resultados por línea y acceder al navegador MeSH usando el nuevo botón **MeSH**

—

Título Resumen Palabra clave

Introduzca un término de búsqueda

—

AND

Título Resumen Palabra clave

Introduzca un término de búsqueda

+

Título Resumen Palabra clave

Introduzca un término de búsqueda

✕ Borrar todo

Título

Resumen

Autor

Palabra clave

Texto completo

Tipo de publicación

Fuente

DOI

Número de entrada

Número de registro de ensayo

Grupo Cochrane

Tema Cochrane

Limitar búsqueda

Enviar al gestor de búsquedas

Buscar

CENTRAL: Cerca avançada (II)

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—	Título Resumen Palabra clave ▼	"Out-of hospital cardiac arrest" OR OHCA OR "Heart Arrest" OR "Cardiac arrest"	
—	AND ▼	Título Resumen Palabra clave ▼	"Airway management "
—	AND ▼	Título Resumen Palabra clave ▼	"Bag mask ventilation" OR "Endotracheal intubation"
—	AND ▼	Título Resumen Palabra clave ▼	"Neurological outcome" OR "Favorable neurological function" OR "Survival"

(Se han buscado variaciones de la palabra)



⏏ Limitar búsqueda

➔ Enviar al gestor de búsquedas

🔍 Buscar

✕ Borrar todo



Revisiones Cochrane
1

Protocolos Cochrane
0

Ensayos
46

Editoriales
0

Colecciones Especiales
0

Más
▼

Filtrar los resultados

Fecha

Fecha de publicación

Últimos tres meses 0

Últimos seis meses 0

Últimos nueve meses 0

Último año 0

Últimos dos años 0

Intervalo personalizado:
dd/mm/aaaa a dd/mm/aaaa

Aplicar

Borrar

1 Revisión Cochrane contienen **“Out-of hospital cardiac arrest” OR OHCA OR “Heart Arrest” OR “Cardiac arrest” en Título Resumen Palabra clave AND “Airway management ” en Título Resumen Palabra clave AND “Bag mask ventilation” OR “Endotracheal intubation” en Título Resumen Palabra clave AND “Neurological outcome” OR “Favorable neurological function” OR “Survival” en Título Resumen Palabra clave - (Se han buscado variaciones de la palabra)**

Base de datos Cochrane de Revisiones Sistemáticas
Número 4 de 12, abril 2025

☐ **Seleccionar todo (1)** Exportar referencia/s seleccionada/s **Mostrar todas las vistas previas**

Ordenar por **Relevancia** ▼ Resultados por página **25** ▼

☐ **1**

Intubación de emergencia para pacientes agudamente enfermos y heridos
Fiona Lecky, Daniele Bryden, Rod Little, Nam Tong, Chris Moulton
Intervención Revisión 23 abril 2008
Mostrar vista previa ▼

CENTRAL: Resultats (II)

Fuente	
Embase	31
PubMed	21
CT.gov	8
ICTRP	1

Revisiones Cochrane 1	Protocolos Cochrane 0	Ensayos 46	Editoriales 0	Colecciones Especiales 0	Más ▼
--------------------------	--------------------------	---------------	------------------	-----------------------------	----------

46 Ensayos contienen “Out-of hospital cardiac arrest” OR OHCA OR “Heart Arrest” OR “Cardiac arrest” en Título Resumen Palabra clave AND “Airway management ” en Título Resumen Palabra clave AND “Bag mask ventilation” OR “Endotracheal intubation” en Título Resumen Palabra clave AND “Neurological outcome” OR “Favorable neurological function” OR “Survival” en Título Resumen Palabra clave - (Se han buscado variaciones de la palabra)

Cochrane Registro Central de Ensayos Controlados
Número 3 de 12, marzo 2025

☐ **Seleccionar todo (46)** Exportar referencia/s seleccionada/s

- 4 ☐ **Strategies of Advanced Airway Management in Out-of-Hospital Cardiac Arrest during Intra-Arrest Hypothermia: insights from the PRINCESS Trial**
J Tjerkaski, T Hermansson, E Dillenbeck, FS Taccone, A Truhlar, S Forsberg, J Hollenberg, M Ringh, M Jonsson, L Svensson, P Nordberg
Journal of clinical medicine, **2022**, 11(21) | added to CENTRAL: 30 noviembre 2022 | 2022 Issue 11

Embase



Aquest article està a PubMed i
nosaltres no l'hem recuperat

Scopus



Scopus

Base de dades multidisciplinària produïda per Elsevier que recull prop de 14.000 publicacions d'unes 4.000 editorials internacionals.

Inclou referències de revistes, publicacions comercials, llibres, recursos web i patents.

Scopus: Com accedir

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 Cercabib 

BASE DE DADES SUGGERIDA



Scopus
[Accedir al recurs](#)

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Identificador

Contrasenya

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Advanced query ☐

Search within

Article title, Abstract, Keywords



Search documents *

"Out-of hospital cardiac arrest" OR ohca OR "Heart Arrest" OR "Cardiac arrest"



AND



Search within

Article title, Abstract, Keywords



Search documents

"Airway management"



AND



Search within

Article title, Abstract, Keywords



Search documents

"Bag mask ventilation" OR "Endotracheal intubation"



AND



Search within

Article title, Abstract, Keywords



Search documents

"Neurological outcome" OR "Favorable neurological function" OR "Survival"



[Save search](#)

[Set search alert](#)

[+ Add search field](#)

[Reset](#)

[Search](#)

[Feedback](#)

152 documents found

[Analyze results](#)

Refine search

Search within results

Filters [Clear all](#)

Year [Clear](#)

☒ Range ☐ Individual



2015 – 2025

Facetes



Subject area

- ☐ Medicine 148
- ☐ Nursing 55
- ☐ Multidisciplinary 3
- ☐ Neuroscience 1
- ☐ Pharmacology

☐ All [Export](#) [Download](#) [Citation overview](#) [More](#)

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Sort by [Cited by \(highest\)](#)

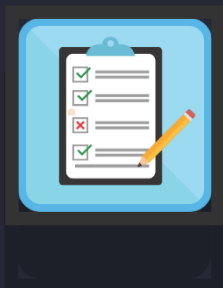
[Grid](#) [List](#)

	Document title	Authors	Source	Year	Citations
☐ 1	Article • Open access Part 7: Adult advanced cardiovascular life support: 2015 American Heart Association guidelines update for cardiopulmonary resuscitation and emergency cardiovascular care	Link, M.S. , Berkow, L.C. , Kudenchuk, P.J. , ... Yannopoulos, D. , Donnino, M.W.	Circulation , 132(18), pp. 5444–5464	2015	1,044
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☐ 3	Article • Open access Effect of a strategy of initial laryngeal tube insertion vs endotracheal intubation on 72-hour survival in adults with out-of-hospital cardiac arrest a randomized clinical trial	Wang, H.E. , Schmicker, R.H. , Daya, M.R. , ... Weisfeldt, M.L. , Nichol, G.	JAMA - Journal of the American Medical Association , 320(8), pp. 769–778	2018	292
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- Totes les bases de dades utilitzen IA (exemple, l'algoritme de cerca de PubMed).
- Actualment el més fiable és realitzar cerques amb estratègia *manual* a bases de dades.
- Eines com **Claude**, **ChatGTP** o **Semantic Scholar** inventen estudis i referències.
- **PubMedGTP** és poc exhaustiu i mostra molts duplicats.
- Per cercar informació les millors eines IA són **Elicit** o **Consensus**; a partir d'una cita: **Research Rabbit**.
- Per a consultes o assessorament us recomanem **Perplexity**; si treballeu amb dades internes, **Copilot** (institucional UB).
- Eines d'ajuda a les revisions: **Covidence** (cal subscripció) i **Rayyan** (amb algunes opcions gratuïtes). Permeten eliminar duplicats, seleccionar o excloure articles per paraules clau.

Recordeu apuntar sempre les quantitats (n=) segons les directrius PRISMA.

Gràcies per la vostra assistència



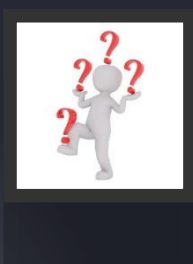
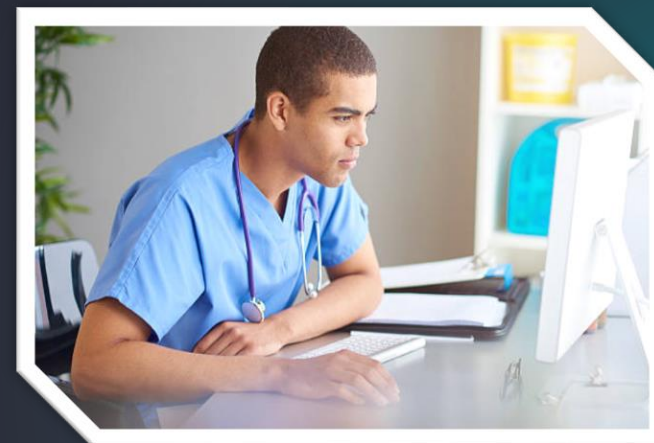
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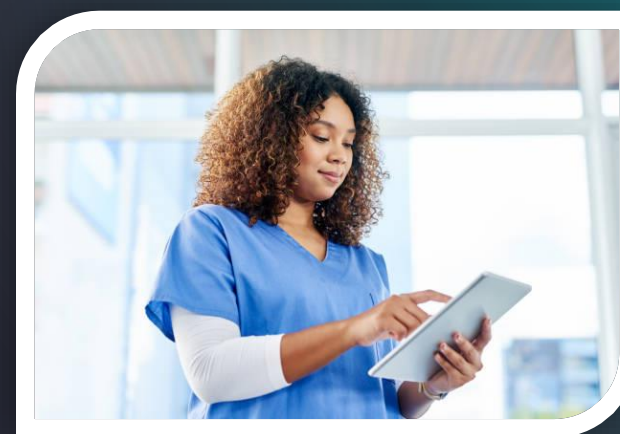
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craimedicina@ub.edu

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