

# The Medical Literature

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Mazen Kherallah, MD, MHA, FCCP

# Outline

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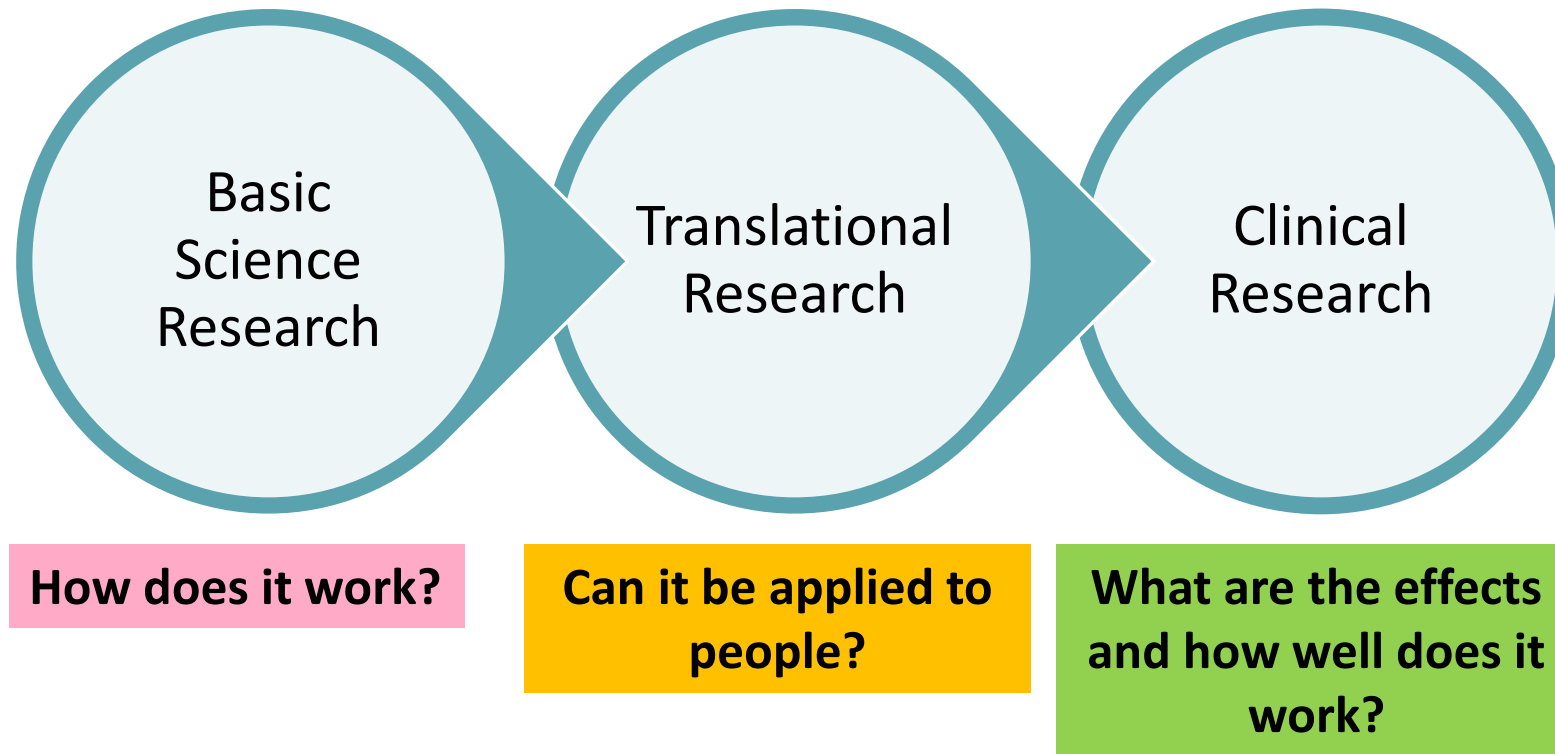
The Medical Literature

Searching the Medical Literature

Using AI for literature search

# From Bench Research to Clinical Trials

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# What are the Important Types of Articles

- Laboratory animals
- In vitro studies
- Pure research

## Basic Science Research



- Case reports & case series
- Cross-sectional study
- Case-control
- Cohort
- Clinical trial

## Clinical Studies



- Expert opinion
- Response to a study
- Put the study into a perspective

## Editorials



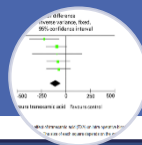
- All studies on a given topic
- Written by experts
- More UpToDate than textbooks

## Clinical Reviews



- Comprehensive and objective analysis with statistical techniques of all studies on a given topic

## Meta-analysis or Systematic review

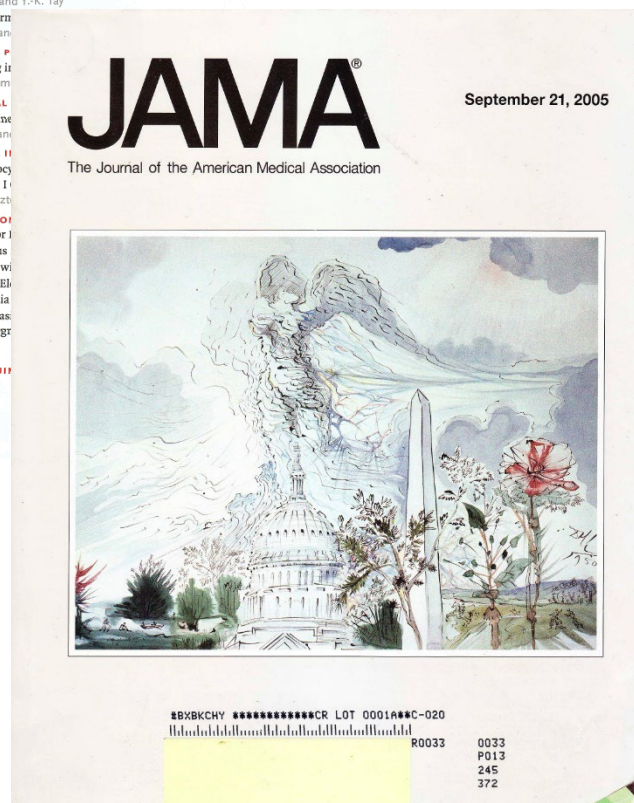


- Practice guidelines based on the best available evidence
- Summarized by organizations or teams of expert

## Guidelines



The NEW ENGLAND JOURNAL of MEDICINE	
VOL. 366 NO. 18	
ESTABLISHED IN 1812 MAY 3, 2012 NEJM.ORG	
1662 THIS WEEK AT NEJM.ORG	
PERSPECTIVE	
1653 Evidence, Preferences, Recommendations — Finding the Right Balance in Patient Care T.E. Quill and R.G. Holloway	1705 Registry of Transcatheter Aortic-Valve Implantation in High-Risk Patients M. Gillard and Others
1655 Becoming a Physician: Freedom from the Tyranny of Choice — Teaching the End-of-Life Conversation D. Lamas and L. Rosenbaum	200TH ANNIVERSARY ARTICLE 1716 Two Hundred Years of Surgery A. Gawande
1657 Becoming a Physician: Lecture Halls without Lectures — A Proposal for Medical Education C.G. Prober and C. Heath	IMAGES IN CLINICAL MEDICINE 1724 Lymphangioma Circumscriptum S.-K. Tan and Y.-K. Tay
1659 Looking beyond Translation — Integrating Clinical Research with Medical Practice A.C. Gellins and S.E. Gabriel	1728 Eschar Form C. Orme and CLINICAL P 1725 Whistling in D.A. Solomon
1672 Is Medicaid Constitutional? T.S. Jost	1732 EDITORIAL Radioiodine E.K. Alexander
ORIGINAL ARTICLES	1734 CLINICAL II The Monoclonal R.E. Gerszten
1663 Strategies of Radioiodine Ablation in Patients with Low-Risk Thyroid Cancer M. Schlumberger and Others	1737 CORRESPONDENCE Tai Chi for Everolimus A Patient with Spurious Erythrocytosis Anemia A Noninvasive in Pregnancy
1674 Ablation with Low-Dose Radioiodine and Thyrotropin Alfa in Thyroid Cancer U. Mallick and Others	1745 NOTICES 1747 CONTINUITY
1686 Two-Year Outcomes after Transcatheter or Surgical Aortic-Valve Replacement S.K. Kodali and Others	
1696 Transcatheter Aortic-Valve Replacement for Inoperable Severe Aortic Stenosis R.R. Makkar and Others	



THE LANCET	
www.thelancet.com	
Volume 361, Number 9361 • Founded 1823 • Published weekly • Saturday March 15, 2003	
EDITORIAL	
887 "Pro-life" policy threatens US HIV/AIDS initiative	
COMMENTARY	
888 Dementia comes of age in the developing world R N Kalaria	935 Experts gather to discuss water crisis that the world is ignoring
889 Neuromyelitis optica: what it is and what it might be B G Weinshenker	936 Scientists grieve loss of astronauts and science
890 Human metapneumovirus in the community A Osterhaus, R Fouchier	938 Uninsured people in USA put a strain on health system
891 Genomics—a global public good? H Thorsteinsdóttir and others	939 China faces hidden epidemic of chlamydial infection
ARTICLES	
893 Postnatal home visits in teenage mothers J A Quinlan and others	940 Placental protein may have a role in pre-eclampsia
901 Thrombophilic disorders and fetal loss E Ray and others	941 News in brief
909 Dementia diagnosis in developing countries M Prince and others	942 Uganda and Global Fund sign grant agreement
SEMINAR	
943 Hodgkin's lymphoma L Young, D Linch	
RAPID REVIEW	
952 Prevention of variceal rebleeding J Bosch, J C Garcia-Pagan	
PROSTATE CANCER II	
955 Pathological and molecular aspects of prostate cancer A M DeMarzo and others	
Contents list continues inside	



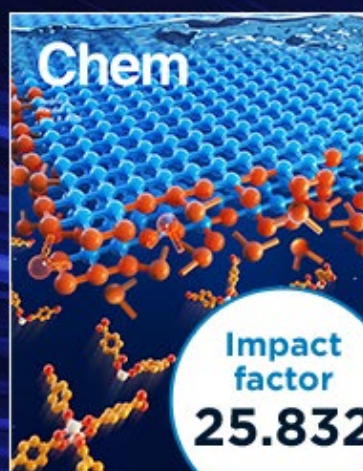
# Impact Factor

§ Nature had an impact factor of 41.6 in 2017<sup>1</sup>. This means that, on average, its papers published in 2015 and 2016 received roughly 42 citations each in 2017<sup>1</sup>.

$$\text{Impact Factor} = \frac{\text{Citations in Year 2} + \text{Citations in Year 1}}{\text{Number of articles in Year 2} + \text{Number of articles in Year 1}}$$



Impact  
factor  
**66.850**



Impact  
factor  
**25.832**



Impact  
factor  
**46.048**



Impact  
factor  
**19.967**



Impact  
factor  
**14.944**



OA

Impact  
factor  
**9.995**



OA

Impact  
factor  
**16.988**



OA

Impact  
factor  
**7.832**



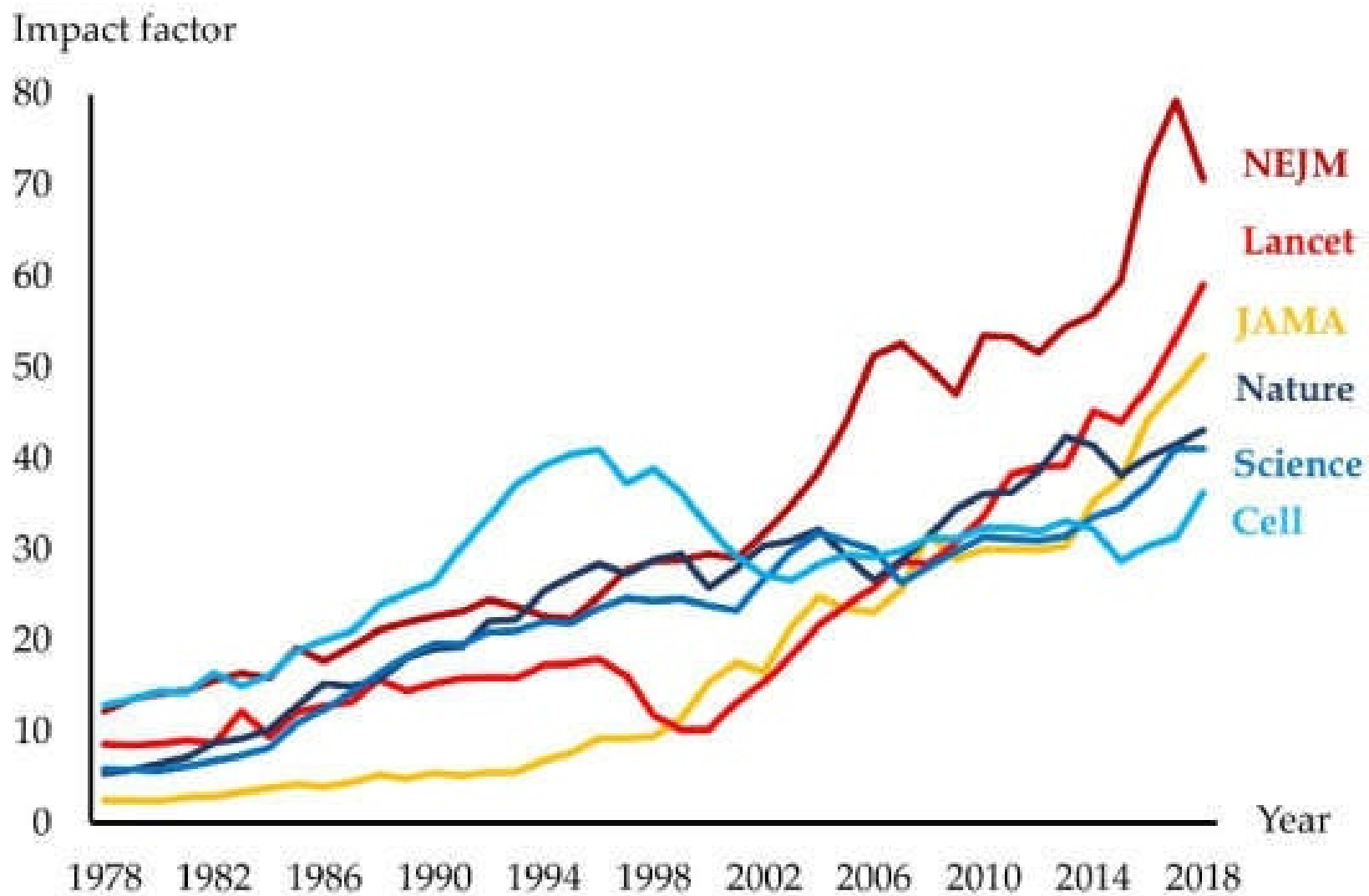
OA

Impact  
factor  
**6.107**



OA

Impact  
factor  
**3.776**



All subject areas

Medicine  
(miscellaneous)

All regions / countries

All types

2022

☐ Only Open Access Journals☐ Only SciELO Journals☐ Only WoS Journals

Display journals with at least 0

Citable Docs. (3years)

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The **SCImago Journal Rank (SJR)** is an indicator that measures the prestige of scholarly journals. It takes into account both the number of citations received by a journal and the prestige of the journals where the citations come from.

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1 - 50 of 2501



	Title	Type	↓ SJR	H index	Total Docs. (2022)	Total Docs. (3years)	Total Refs. (2022)	Total Cites (3years)	Citable Docs. (3years)	Cites / Doc. (2years)	Ref. / Doc. (2022)	
1	<a href="#">New England Journal of Medicine</a>	journal	26.015 Q1	1130	1410	4561	14396	133956	1854	33.93	10.21	
2	<a href="#">Nature Medicine</a>	journal	24.687 Q1	605	522	1245	15256	41058	664	34.67	29.23	
3	<a href="#">MMWR Recommendations and Reports</a>	journal	23.962 Q1	151	103	138	940	3469	133	25.28	9.13	
4	<a href="#">Nature Reviews Drug Discovery</a>	journal	19.423 Q1	370	245	674	9158	12260	148	17.15	37.38	
5	<a href="#">Nature Reviews Immunology</a>	journal	18.141 Q1	444	170	527	10795	15360	287	30.78	63.50	



# H-index

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§ The h-index is simply a count of the largest number of papers (h) from a journal or author that have at least (h) number of citations

§ For instance, an h-index of 17 means that the scientist has published at least 17 papers that have each been cited at least 17 times. If the scientist's 18th most cited publication was cited only 10 times, the h-index would remain at 17. If the scientist's 18th most cited publication was cited 18 or more times, the h-index would rise to 18

# Quartile Rankings

§ Based on the rank of the journal in its category sorted by impact factor of the journal

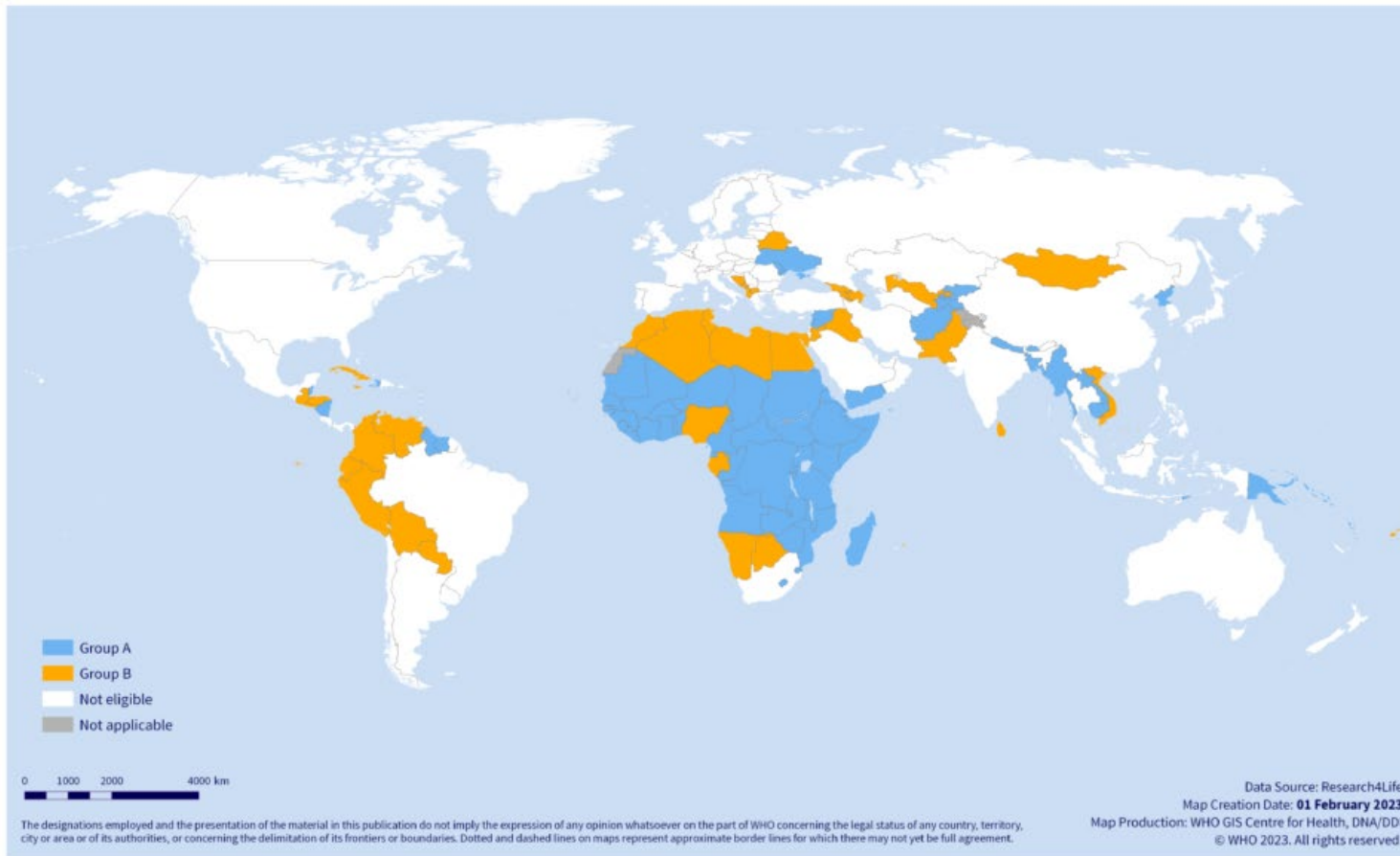
§ Z is defined as:  $Z=(X/Y)$

§ Where X is the journal rank in category and Y is the number of journals in the category.

§ When sorted by Impact Factor, if a journal is rank 78 out of 314 in a category,  $Z=(78/314)=0.248$  which is a Q1 journal.

§ When sorted by Impact Factor, if a journal is rank 102 out of 204 in a category,  $Z=(102/204)=0.5$  which is a Q2 journal.

Q1	$0.0 < Z \leq 0.25$	Highest ranked journals in a category
Q2	$0.25 < Z \leq 0.5$	
Q3	$0.5 < Z \leq 0.75$	
Q4	$0.75 < Z$	Lowest ranked journals in a category



Access to  
Literature  
free to Group A

# Guidelines

Search our library of *Critical Care* clinical guidelines.  
Access clinical guideline summaries for the *Critical Care* medical specialty area online and in our mobile app.

Search By Specialty By Organization By Date

Critical Care x Q

APPLIED FILTERS Clear All

Critical care x

PUBLICATION DATE v

AVAILABLE FORMATS v

ORGANIZATION v

Displaying 20 of 193 search results SORT BY Newest v


NEW



Strategies to Prevent Catheter-Associated Urinary Tract Infections in Acute-Care Hospitals

- Infectious Diseases Society of America
- Society for Healthcare Epidemiology of America

Publication: August 25, 2023



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# Society of Critical Care Medicine

The Society of Critical Care Medicine (SCCM) is the largest non-profit medical organization dedicated to promoting excellence and consistency in the practice of critical care.

Search By Specialty By Organization By Date

Society of Critical Care Medicine



APPLIED FILTERS

Clear All

SCCM - Society of Critical Care Medicine

PUBLICATION DATE



AVAILABLE FORMATS



ORGANIZATION



Displaying 20 of 29 search results for **Society of Critical Care Medicine**

SORT BY Newest

NEW



## Use of Prolonged-Infusion Beta-Lactam Antibiotics

- Cystic Fibrosis Foundation
- Infectious Diseases Society of America
- Society of Critical Care Medicine
- Society of Infectious Diseases Pharmacists
- American College of Clinical Pharmacy

Publication: August 24, 2023

RESOURCES & DECISION SUPPORT

SCCM Full Text Guidelines

SCCM Journals

SCCM Website

SCCM > [Clinical Resources](#) > All SCCM Guidelines

## All SCCM Guidelines

Access the complete list of clinical, administrative and endorsed guidelines online.

Search

### [Guidelines for Rapid Sequence Intubation in the Critically Ill Adult Patient](#)

Acquisto NM, Mosier JM, Bittner EA, et al. Society of Critical Care Medicine clinical practice guidelines for rapid sequence intubation in the critically ill adult patient. *Crit Care Med*. 2023 Oct;51(10):1411-1430. doi: 10.1097/CCM.0000000000006000.

Type: Clinical

Published: 9/13/2023 |

### Most Popular Guidelines

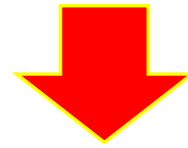
[Guidelines for Rapid Sequence Intubation in the Critically Ill Adult Patient](#)

[Guidelines for the Management of Adult Acute and Acute-on-Chronic Liver Failure in the ICU \(Part II\)](#)

[PANDEM Guidelines for Infants and Children](#)

# Outline

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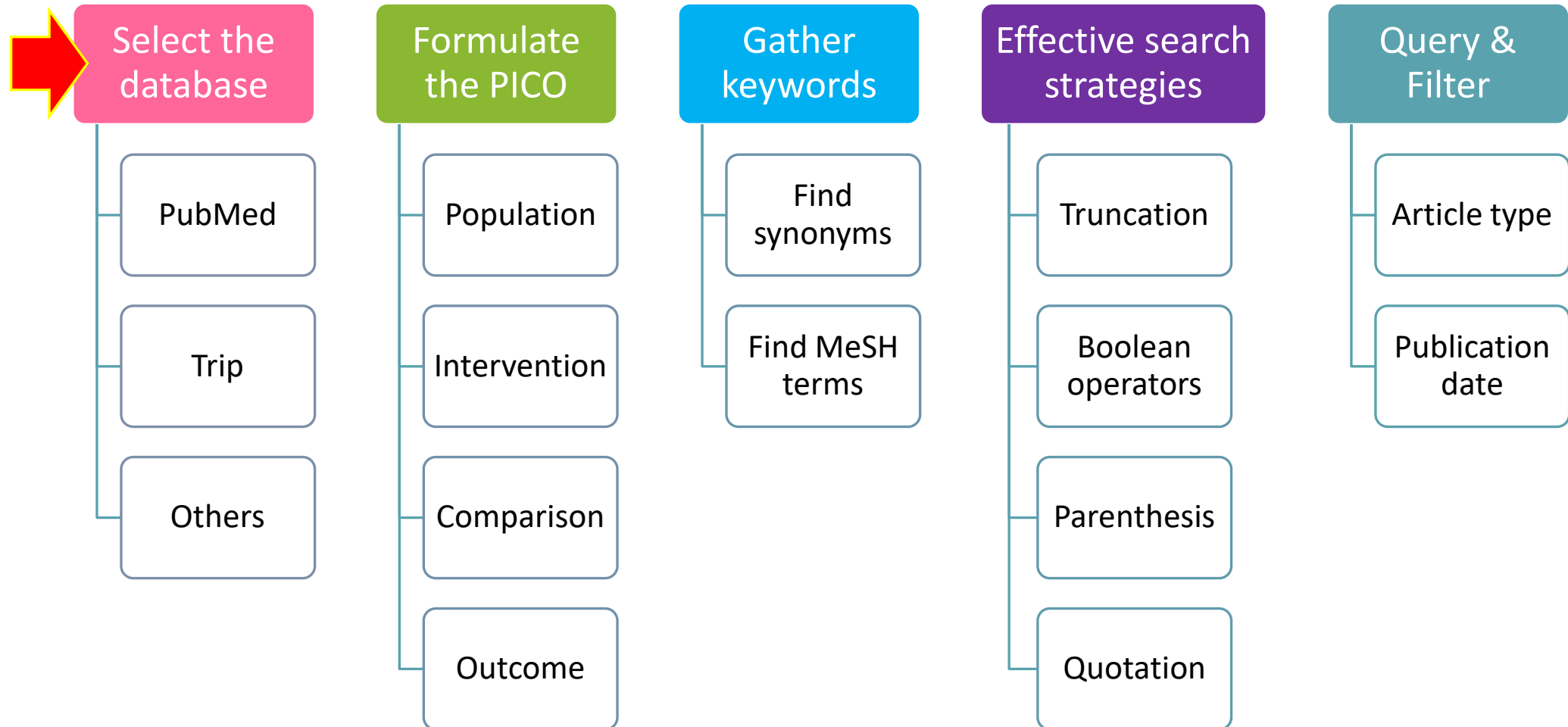


The Medical  
Literature

Searching the  
Medical  
Literature

Using AI for  
literature  
search

# Searching the Medical Literature





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Publication date

The last 3 months ✕

Custom Range:

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Conclusions changed ..... 4

Language ⓘ

Cochrane Reviews 975	Cochrane Protocols 138	Trials 11756	Editorials 3	Special collections 6	Clinical Answers 95	Other Reviews
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Date: [The last 3 months ✕](#)

**33** Cochrane Reviews matching **\*Sepsis in All Text**

**Cochrane Database of Systematic Reviews**

Issue 2 of 12, February 2020

☐ [Select all \(33\)](#) [Export selected citation\(s\)](#) [Show all previews](#)

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- ☐ **Corticosteroids for treating sepsis in children and adults**  
Djillali Annane, Eric Bellissant, Pierre Edouard Bollaert, Josef Briegel, Didier Keh, Yizhak Kupfer, Romain Pirracchio, Bram Rochweg  
[Intervention](#) [Review](#) 6 December 2019 [New search](#)  
[Show PICO<sup>s</sup> <sup>BETA</sup> ▾](#) [Show preview ▾](#)

- ☐ **Prophylactic antibiotics for penetrating abdominal trauma**  
Martin Brand, Andrew Grieve

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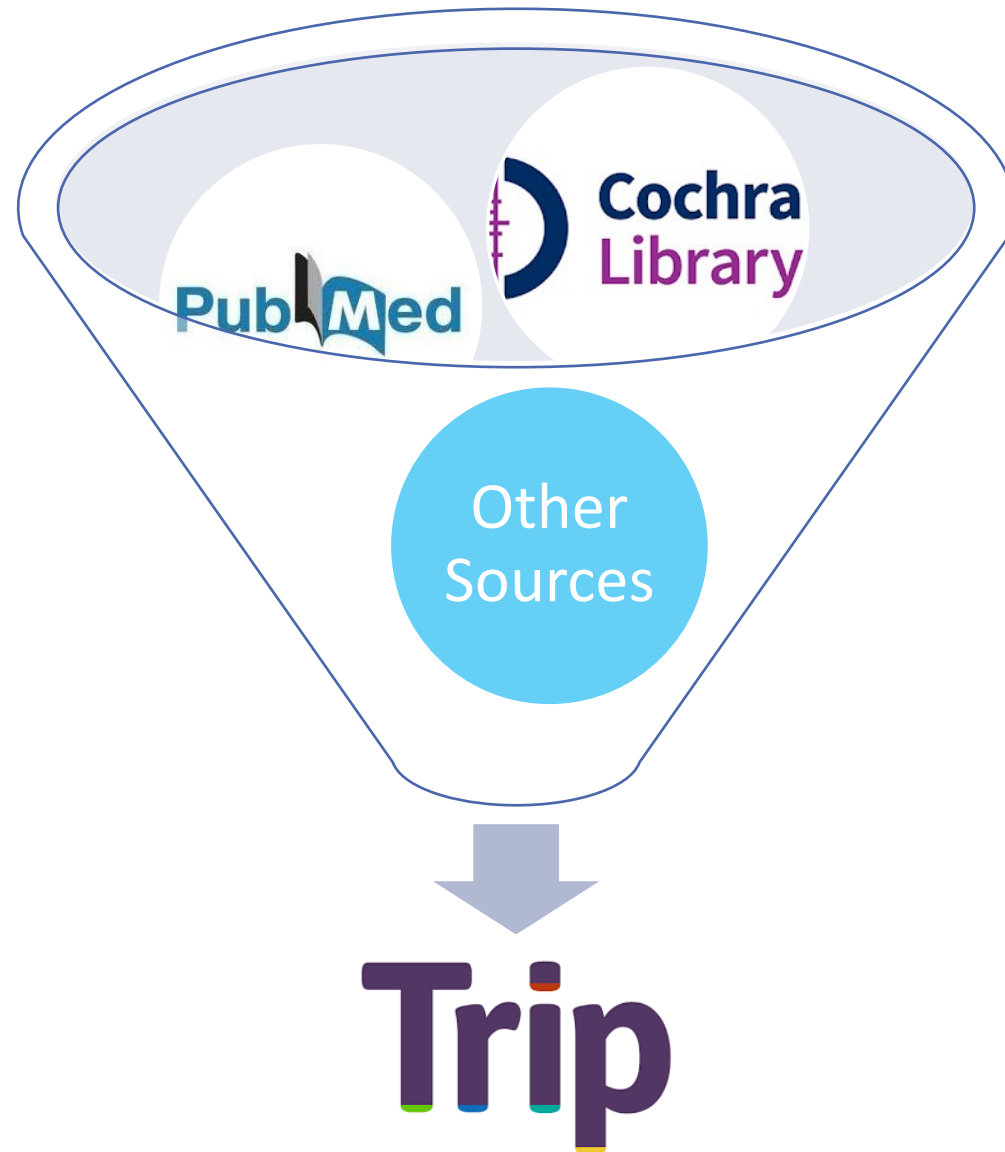
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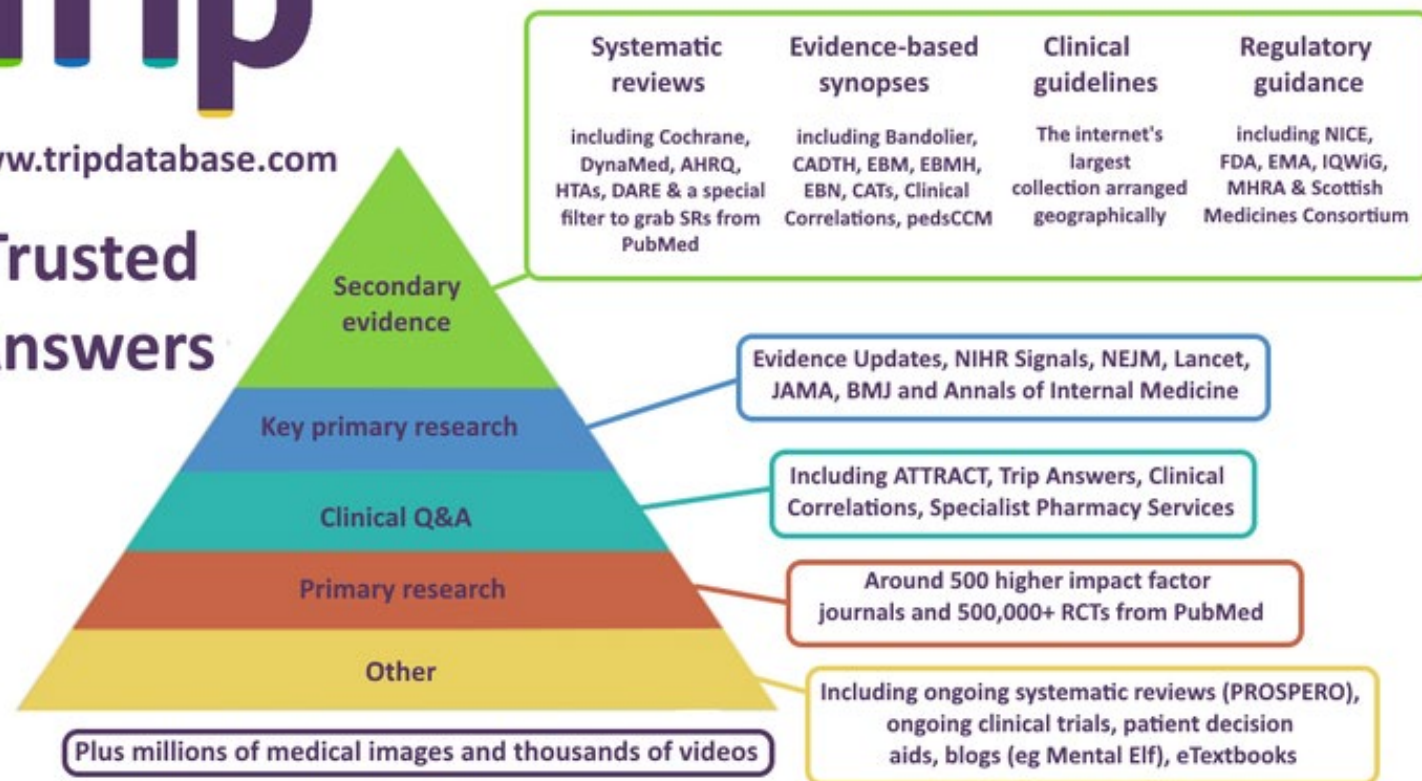


# Trip

www.tripdatabase.com

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Trip's focus is to help health professionals obtain trusted answers to their clinical questions. This image gives a flavour of our unrivalled coverage of the evidence base.



Above is a small sample of the organisations that Trip includes in our search index.



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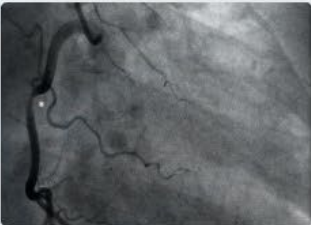
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English ▾

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## Cardiology

Acute Coronary Syndromes,  
Stable Coronary Artery  
Disease, Heart Failure

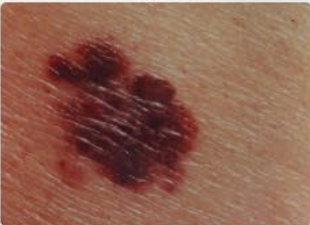
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## Oncology

Breast Cancers, Lung Cancers,  
Gastrointestinal Cancers,  
Lymphomas

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## Dermatology

Eczematous Dermatoses,  
Malignant and Pre-malignant  
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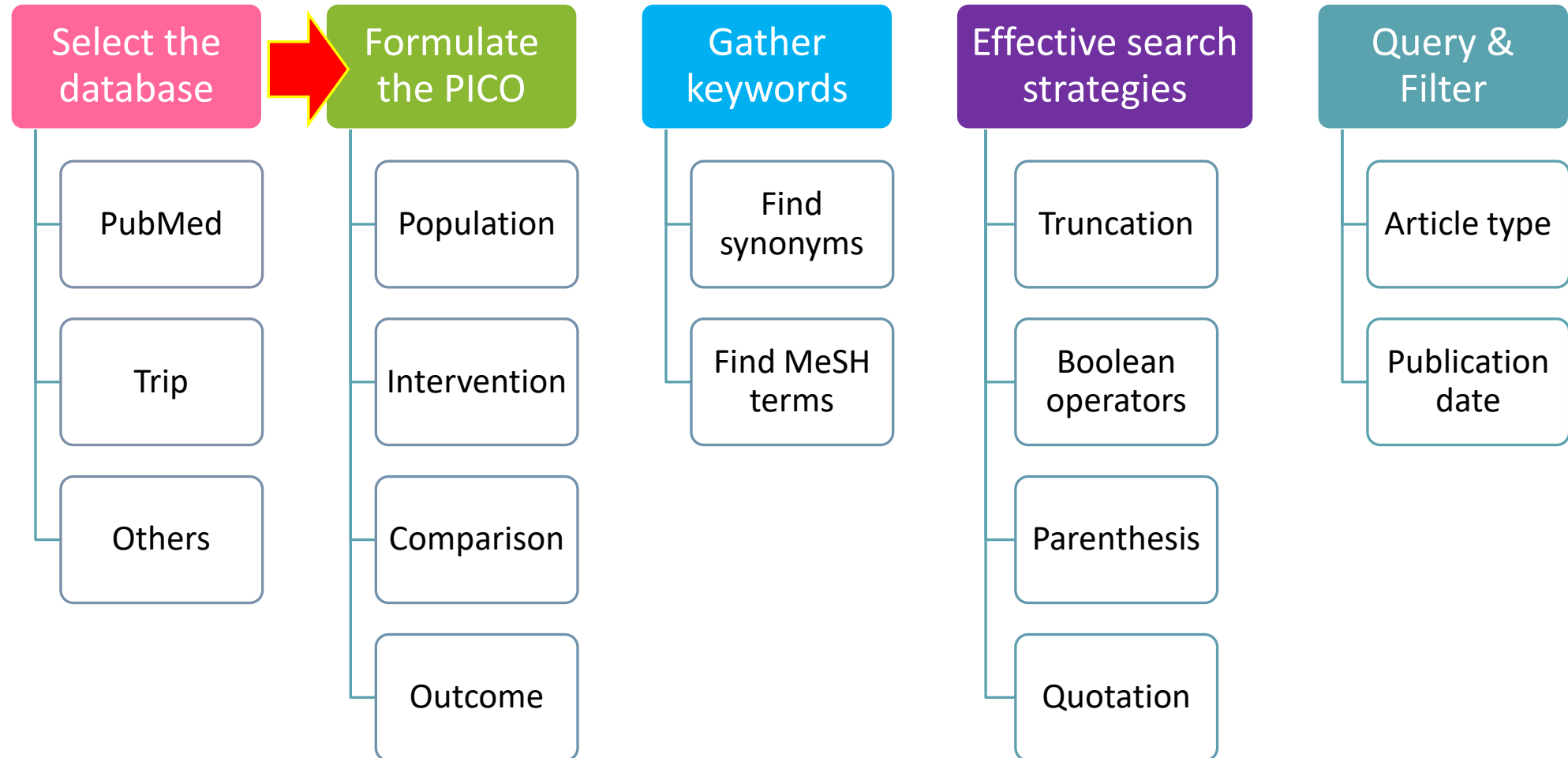
E-utilities API



**Explore**

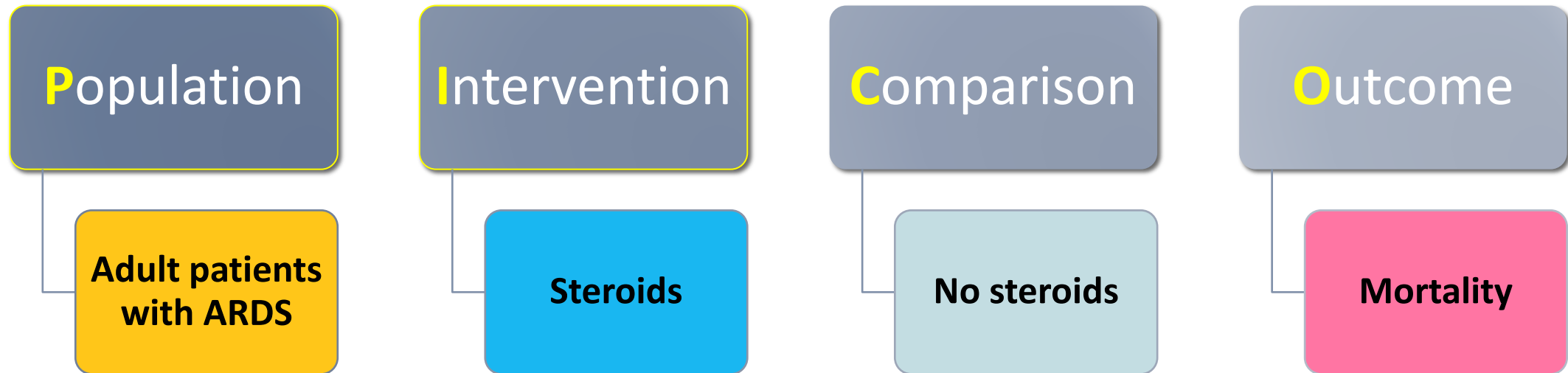
MeSH Database

# Searching the Medical Literature



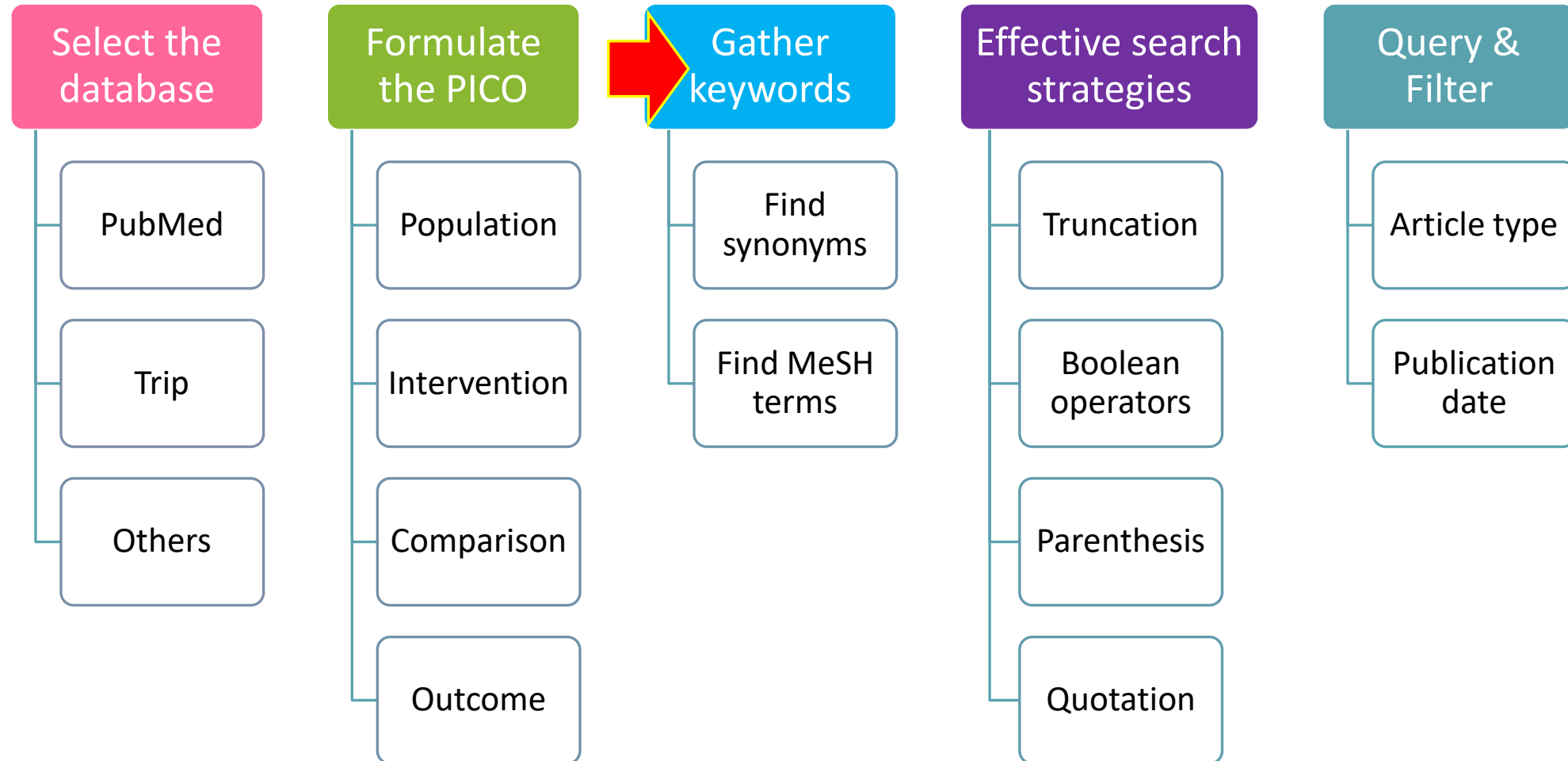
# PICO

**Does steroid therapy improve mortality in adult patients with ARDS compared to placebo?**



Very specific search not a sensitive one.

# Searching the Medical Literature



# Search Engines: Gathering Keywords

---



Google

Limit to site:  
.gov, .edu, .org



Wikipedia

Background information  
References  
External websites



Google Scholars

Books  
Journal articles  
Patents



AI

Comprehensive  
Keywords

Google Scholar

ARDS site:.gov

Articles

About 851 results (0.06 sec)

Any time

Since 2023

Since 2022

Since 2019

Custom range...

Sort by relevance

Sort by date

Any type

Review articles

☐ include patents

☒ include citations

☒ Create alert

[HTML] Vascular risk factors for COVID-19 **ARDS**: endothelium, contact-kinin system

M Bailey, D Linden, H Guo-Parke, O Earley... - Frontiers in ..., 2023 - ncbi.nlm.nih.gov

... acute respiratory distress syndrome (**ARDS**)]. Intrinsic coagulation ... are hallmark features of COVID-19 **ARDS**. In this review we ... in severe infections to stratify for risk of developing **ARDS**. ...

☆ Save Cite Related articles

[HTML] Transcriptomic evidence of lung repair in paediatric **ARDS** survival

L Song, K Li, X Hong, K Xiao, G Mo... - Clinical and ..., 2023 - ncbi.nlm.nih.gov

... severe **ARDS**. Comprehensive evidence of reparative mechanisms in surviving **ARDS** is currently lacking. Here we present a case report of a 10-year-old girl who survived **ARDS** with ...

☆ Save Cite Cited by 1 All 4 versions

[HTML] Long short-term memory model identifies **ARDS** and in-hospital mortality in both non-COVID-19 and COVID-19 cohort

JT Chen, R Mehrizi, B Aasman, MN Gong... - BMJ Health & Care ..., 2023 - ncbi.nlm.nih.gov

... We evaluated model timeliness based on **ARDS** and death, **ARDS** and not death, no **ARDS** and death, no **ARDS** and not death and compared the actual ToP **ARDS** time/death time ...

☆ Save Cite All 6 versions

[HTML] Circulatory HMGB1 is an early predictive and prognostic biomarker of **ARDS** and mortality in a swine model of polytrauma

MD Young, TS Cancio, CR Thorpe, RP Willis... - Frontiers in ..., 2023 - ncbi.nlm.nih.gov

... Acute respiratory distress syndrome (**ARDS**) is a leading cause of morbidity and mortality in ... **ARDS** are lacking, and **ARDS** patients rely on supportive care. Accurate diagnosis of **ARDS** ...

☆ Save Cite All 4 versions

[HTML] Insulin reverses impaired alveolar fluid clearance in **ARDS** by inhibiting LPS-induced autophagy and inflammatory

X Wen, M Li, RQ Zhang, Q Wan - Frontiers in Immunology, 2023 - ncbi.nlm.nih.gov

[HTML] nih.gov

[HTML] nih.gov

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[HTML] nih.gov

[HTML] nih.gov

文A 36 languages ▾

Read Edit View history Tools ▾

(Redirected from [ARDS](#))

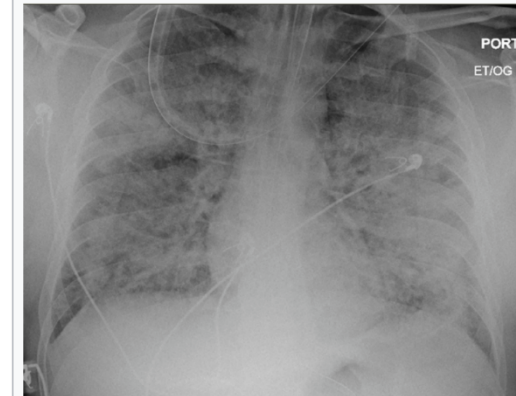
**Acute respiratory distress syndrome (ARDS)** is a type of **respiratory failure** characterized by rapid onset of widespread **inflammation** in the **lungs**.<sup>[1]</sup> Symptoms include **shortness of breath** (dyspnea), **rapid breathing** (tachypnea), and **bluish skin coloration** (cyanosis).<sup>[1]</sup> For those who survive, a decreased **quality of life** is common.<sup>[4]</sup>

Causes may include sepsis, pancreatitis, trauma, pneumonia, and aspiration.<sup>[1]</sup> The underlying mechanism involves diffuse injury to cells which form the barrier of the microscopic air sacs of the lungs, surfactant dysfunction, activation of the immune system, and dysfunction of the body's regulation of blood clotting.<sup>[5]</sup> In effect, ARDS impairs the lungs' ability to exchange oxygen and carbon dioxide.<sup>[1]</sup> Adult diagnosis is based on a  $\text{PaO}_2/\text{FiO}_2$  ratio (ratio of partial pressure arterial oxygen and fraction of inspired oxygen) of less than 300 mm Hg despite a positive end-expiratory pressure (PEEP) of more than 5 cm  $\text{H}_2\text{O}$ .<sup>[1]</sup> Cardiogenic pulmonary edema, as the cause, must be excluded.<sup>[4]</sup>

The primary treatment involves [mechanical ventilation](#) together with treatments directed at the underlying cause.<sup>[1]</sup> Ventilation strategies include using low volumes and low pressures.<sup>[1]</sup> If oxygenation remains insufficient, [lung recruitment maneuvers](#) and [neuromuscular blockers](#) may be used.<sup>[1]</sup> If these are insufficient, [extracorporeal membrane oxygenation](#) (ECMO) may be an option.<sup>[1]</sup> The syndrome is associated with a death rate between 35 and 50%.<sup>[1]</sup>

Globally, ARDS affects more than 3 million people a year.<sup>[1]</sup> The condition was first described in 1967.<sup>[1]</sup> Although the terminology of "adult respiratory distress syndrome" has at times been used to differentiate ARDS from "infant respiratory distress syndrome" in newborns, the international consensus is that "acute respiratory distress syndrome" is the best term because ARDS can affect

<b>Other names</b>	Respiratory distress syndrome (RDS), adult respiratory distress syndrome, shock lung, wet lung
--------------------	--



Chest x-ray.

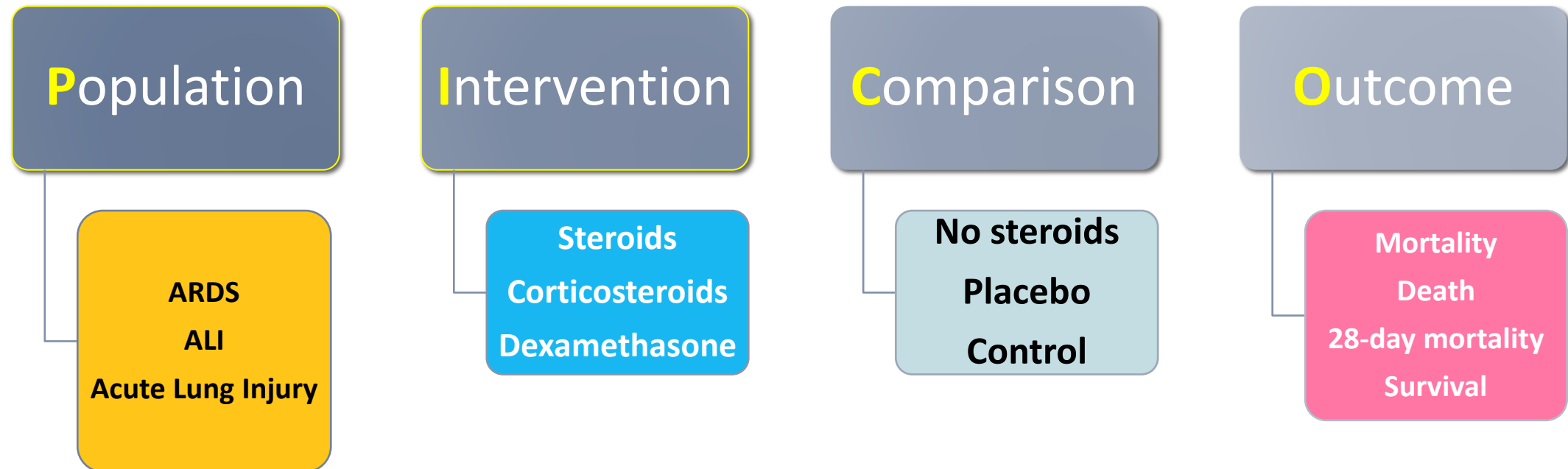
**Specialty** Critical care medicine

<b>Symptoms</b>	Shortness of breath, rapid breathing, bluish skin coloration, chest pain, loss of speech <sup>[1]</sup>
-----------------	---

**Complications** Blood clots, Collapsed lung (pneumothorax), Infections, Scarring (pulmonary fibrosis)[2]

# Keywords

Does steroid therapy improve mortality in adult patients with ARDS compared to placebo?



# Searching the Medical Literature

---

FIND OUT THE MeSH TERMS  
(MEDICAL SUBJECT HEADING)



MeSH

MeSH

ARDS

Search

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

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Full

Send to:

## Respiratory Distress Syndrome

A syndrome characterized by progressive life-threatening RESPIRATORY INSUFFICIENCY in the absence of known LUNG DISEASES, usually following a systemic insult such as surgery or major TRAUMA.

Year introduced: 2021(1977)

PubMed search builder options

[Subheadings:](#)

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

☐ Restrict to MeSH Major Topic.

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

Tree Number(s): C08.381.840, C08.618.840

MeSH Unique ID: D012128

Entry Terms:

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Add to search builder AND

Search PubMed

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Respiratory Distress Syndrome MeSH

ARDS (1) MeSH

Intubation, Intratracheal

- Distress Syndrome, Respiratory
- Distress Syndromes, Respiratory
- Respiratory Distress Syndromes
- Syndrome, Respiratory Distress
- Shock Lung
- Lung, Shock
- Respiratory Distress Syndrome, Acute
- Acute Respiratory Distress Syndrome
- ARDS, Human
- Human ARDS
- Respiratory Distress Syndrome, Pediatric
- Pediatric Respiratory Distress Syndrome
- Respiratory Distress Syndrome, Adult
- Adult Respiratory Distress Syndrome

See Also:

- [Acute Chest Syndrome](#)

[All MeSH Categories](#)

[Diseases Category](#)

[Respiratory Tract Diseases](#)

[Lung Diseases](#)

**Respiratory Distress Syndrome**

[Respiratory Distress Syndrome, Newborn](#)

[Hyaline Membrane Disease](#)

[Transient Tachypnea of the Newborn](#)

[All MeSH Categories](#)

[Diseases Category](#)

[Respiratory Tract Diseases](#)

[Respiration Disorders](#)

**Respiratory Distress Syndrome**

[Respiratory Distress Syndrome, Newborn](#)


[Hyaline Membrane Disease](#)

[Transient Tachypnea of the Newborn](#)

MeSH

 [Intubation](#)

MeSH

 [Martin\[Author\] \(2033\)](#)

NLM Catalog

[See more...](#)

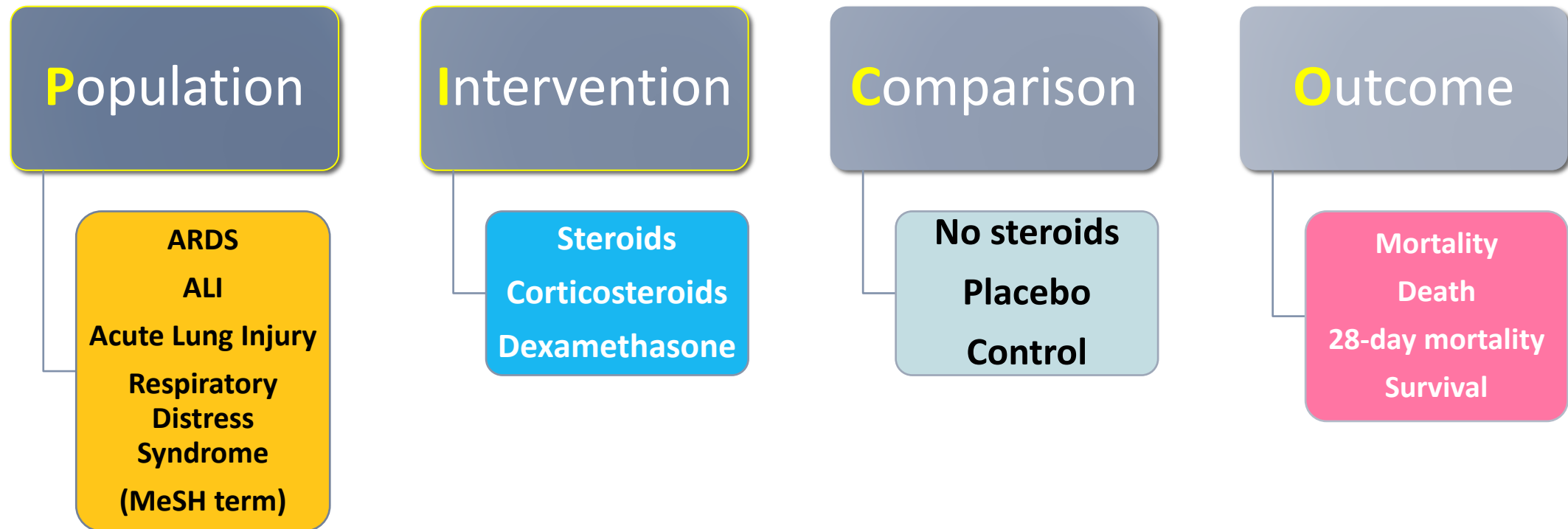
"respiratory distress syndrome"[MeSH  
Terms] OR ARDS[Text Word]

[Search](#)

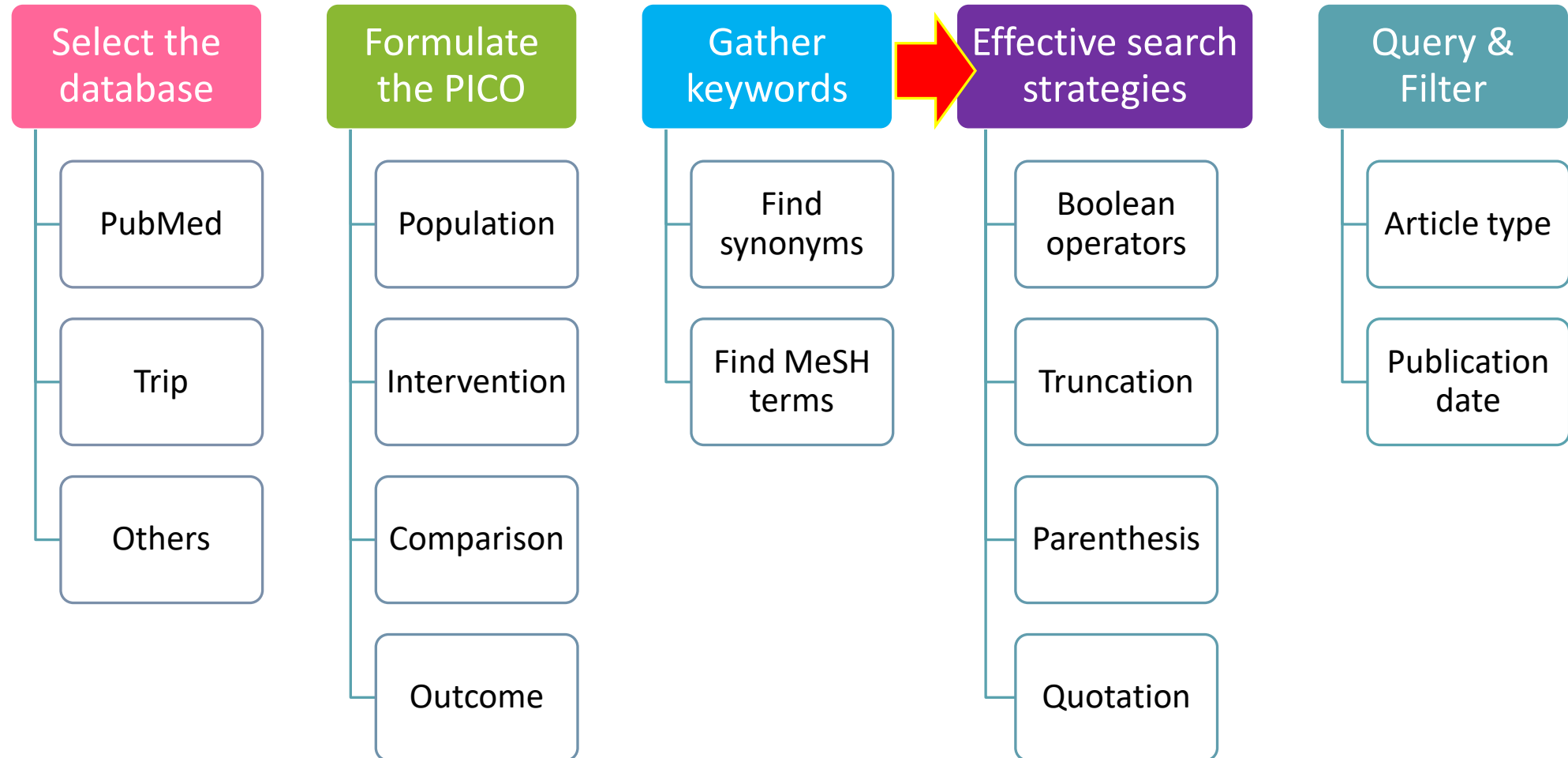
[See more...](#)

# PICO

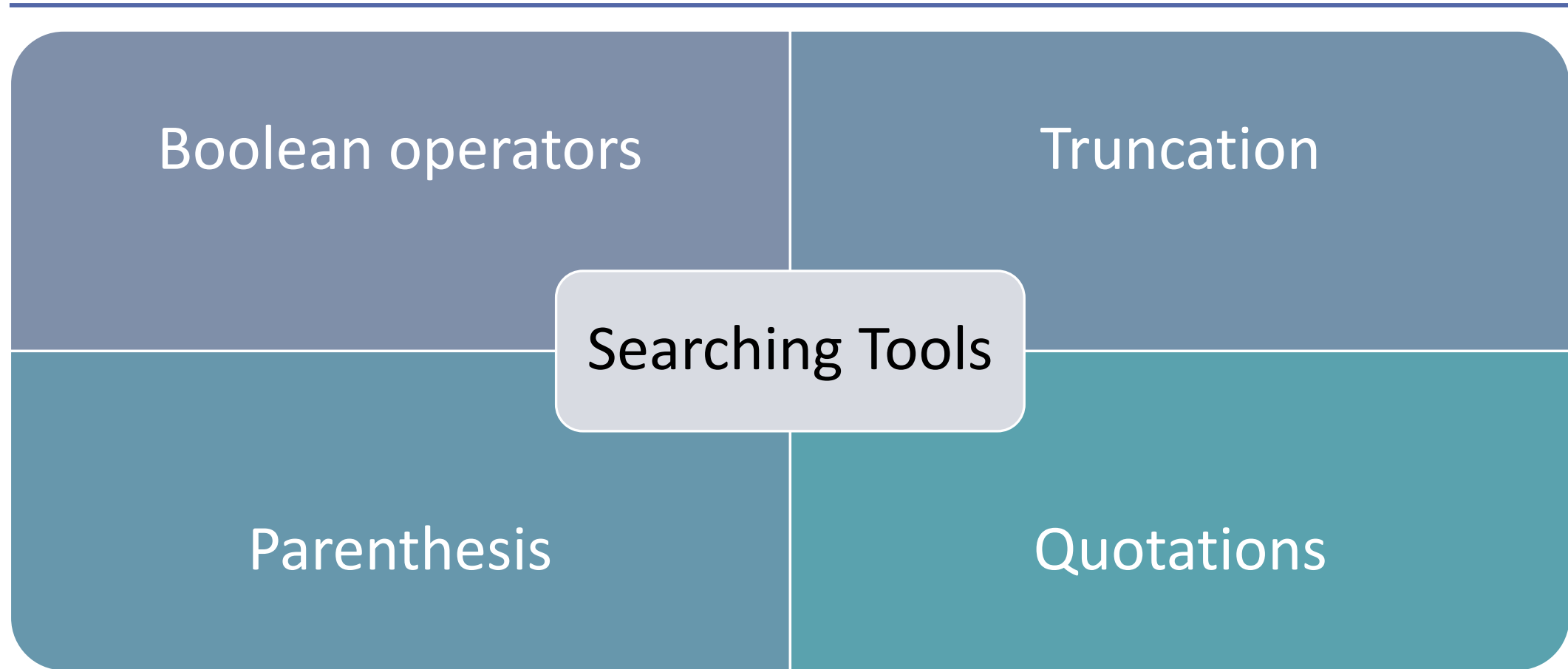
Does steroid therapy improve mortality in adult patients with ARDS compared to placebo?



# Searching the Medical Literature

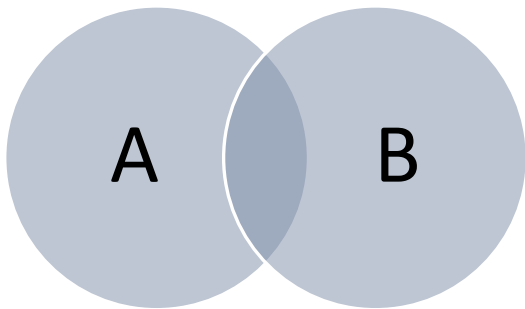


# Searching Techniques



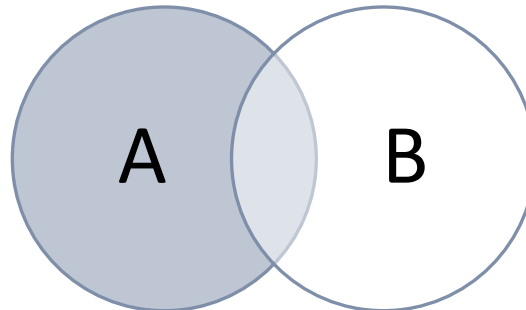
# Effective Search Strategy: Boolean Logics

---



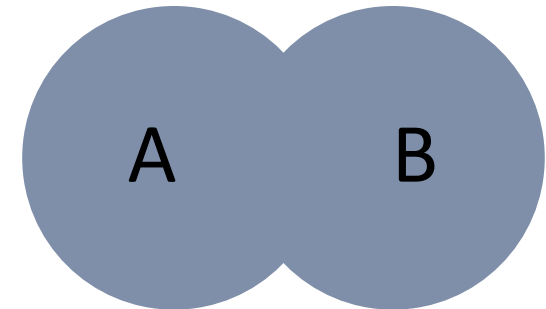
A AND B

Sepsis **AND** Pneumonia



A NOT B

Sepsis **NOT** Pneumonia



A OR B

Sepsis **OR** Pneumonia



ARDS AND ALI



Search

Advanced Create alert Create RSS

User Guide

Save

Email

Send to

Sort by:

Best match



Display options



MY NCBI FILTERS



All (2,776)

Systematic Reviews (91)

Practice Guidelines (1)

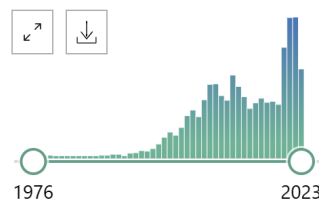
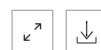
Randomized Controlled Trials  
(123)

Cohort & Case Control (485)

Background/Reviews (561)

— show fewer

RESULTS BY YEAR



TEXT AVAILABILITY

☐ Abstract

☐ Free full text

☐ Full text

ARTICLE ATTRIBUTE

2,776 results



Page

1

of 278



☐ Macrophage-Targeted Nanomedicines for **ARDS/ALI**: Promise and Potential.

1 Vichare R, Janjic JM.

Cite Inflammation. 2022 Dec;45(6):2124-2141. doi: 10.1007/s10753-022-01692-3. Epub 2022 May 31.

PMID: 35641717 [Free PMC article.](#) [Review.](#)

Share Acute lung injury (**ALI**) and acute **respiratory distress syndrome (ARDS)** are characterized by progressive lung impairment typically triggered by inflammatory processes. ...In this article, we focus on the key cellular drivers of inflammation in ...

☐ Advances in the Regulation of Macrophage Polarization by Mesenchymal Stem Cells and Implications for **ALI/ARDS** Treatment.

2 Liu C, Xiao K, Xie L.

Cite Front Immunol. 2022 Jul 8;13:928134. doi: 10.3389/fimmu.2022.928134. eCollection 2022.

Share PMID: 35880175 [Free PMC article.](#) [Review.](#)

Acute lung injury/acute **respiratory distress syndrome (ALI/ARDS)** is a common condition with high mortality. ...This review is expected to provide new targets for the treatment of **ALI/ARDS**....

☐ Advances in the use of exosomes for the treatment of **ALI/ARDS**.

3 Liu C, Xiao K, Xie L.

Cite Front Immunol. 2022 Aug 9;13:971189. doi: 10.3389/fimmu.2022.971189. eCollection 2022.

Share PMID: 36016948 [Free PMC article.](#) [Review.](#)

Acute lung injury (**ALI**)/acute **respiratory distress syndrome (ARDS)** is a critical clinical **syndrome** with high morbidity and mortality. ...The microRNA contained in exosomes can participate in intercellular communication and play an immunom ...



ARDS NOT COVID



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Display options



MY NCBI FILTERS



All (54,942)

clinical trial (2,982)

English (47,412)

Free Full Text (17,146)

Humans (45,461)

— show fewer

54,942 results



Page

1

of 5,495



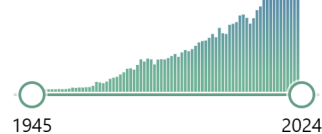
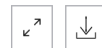
Use COVID-19 filters from PubMed Clinical Queries to refine your search



Treatment Mechanism Transmission More filters

See more SARS-CoV-2 literature, sequence, and clinical content from NCBI

RESULTS BY YEAR



TEXT AVAILABILITY

☐ Abstract

☐ Free full text

☐ Full text

ARTICLE ATTRIBUTE

☐ Associated data

☐ Pathogenesis of Acute **Respiratory Distress Syndrome**.

1 Huppert LA, Matthay MA, Ware LB.

Cite Semin Respir Crit Care Med. 2019 Feb;40(1):31-39. doi: 10.1055/s-0039-1683996. Epub 2019 May 6.

PMID: 31060086 [Free PMC article](#). [Review](#).

Share Acute **respiratory distress syndrome (ARDS)** is a **syndrome** of acute **respiratory** failure caused by noncardiogenic pulmonary edema. ...It is critical to study the molecular and physiologic mechanisms that cause **ARDS** to improve our unde ...

☐ Current situation in **ARDS** in the light of recent studies: Classification, epidemiology and pharmacotherapeutics.

2 Yildirim F, Karaman I, Kaya A.

Cite Tuberk Toraks. 2021 Dec;69(4):535-546. doi: 10.5578/tt.20219611.

Share PMID: 34957747 [Free article](#). [Review](#). [English](#).

In the last 50 years, there have been great research and developments in the definition and pathophysiology of acute **respiratory distress syndrome (ARDS)**, the most progressive form of acute hypoxemic **respiratory** failure. ...Lung protective mecha ...

# Effective Search Strategy: Truncation

---

**Intubat\***

- Intubation
- Intubated
- Intubate
- Intubating

**Screen\***

- Screen
- Screening
- Screened



Intubat\*



Search

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

[User Guide](#)

Save

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Send to

Sort by:

Best match



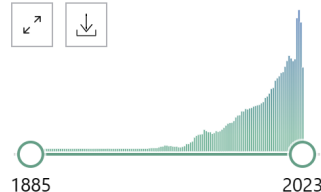
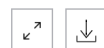
Display options

MY NCBI FILTERS

98,894 results

Page 1 of 9,890

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

### ☐ Pneumonia Pathology.

1 Jain V, Vashisht R, Yilmaz G, Bhardwaj A.

Cite 2023 Jul 31. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan–.

PMID: 30252372 [Free Books & Documents.](#)

Share Ventilator Associated Pneumonia (VAP) Any pneumonia acquired 48 hours after endotracheal **intubation** is considered as VAP. These categories have helped establish the common organisms responsible for each type of pneumonia and helped to formulate treatment guidelines for the ...

### ☐ Bacterial Pneumonia.

2 Sattar SBA, Sharma S.

Cite 2023 Aug 14. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan–.

PMID: 30020693 [Free Books & Documents.](#)

Share Types of Bacterial Pneumonia: CAP: The acute infection of lung tissue in a patient who has acquired it from the community or within 48 hours of the hospital admission. HAP: The acute infection of lung tissue in a non-**intubated** patient that develops after 48 hours of hospit ...

### ☐ Beckwith-Wiedemann Syndrome.

3 Shuman C, Kalish JM, Weksberg R.

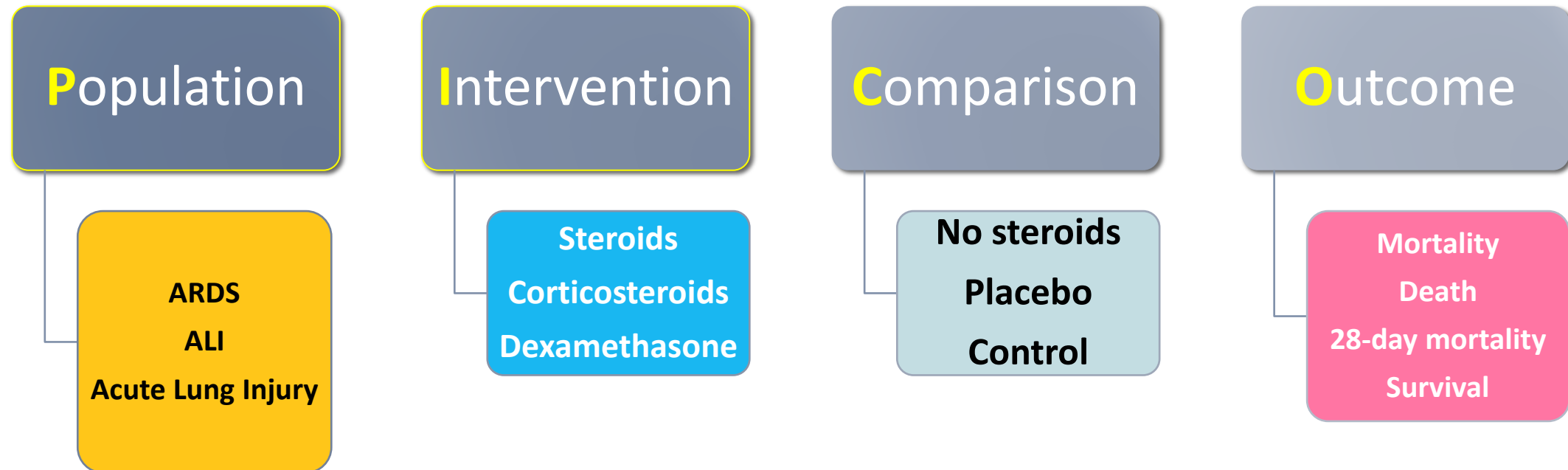
Cite 2000 Mar 3 [updated 2023 Sep 21]. In: Adam MP, Mirzaa GM, Pagon RA, Wallace SE, Bean LJH, Gripp KW, Amemiya A, editors. GeneReviews® [Internet]. Seattle (WA): University of Washington, Seattle; 1993–2023.

PMID: 20301568 [Free Books & Documents.](#) [Review.](#)

Share Hyperinsulinism is treated with standard pharmacotherapy per endocrinologist; partial pancreatectomy may be considered in those with persistent hypoglycemia who are unresponsive to pharmacologic

# Effective Search Strategies: Synonyms

Does steroid therapy improve mortality in adult patients with ARDS compared to placebo?





ARDS OR ALI Or "Acute Respiratory Distress Syndrome"



Search

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Sort by: [Best match](#)

[Display options](#)

MY NCBI FILTERS

All (23,237)

[clinical trial \(935\)](#)

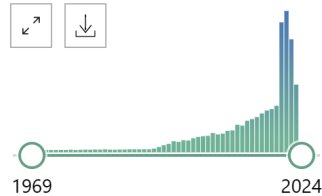
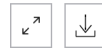
[English \(21,650\)](#)

[Free Full Text \(14,349\)](#)

[Humans \(16,038\)](#)

[— show fewer](#)

RESULTS BY YEAR



TEXT AVAILABILITY

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

ARTICLE ATTRIBUTE

23,237 results

Page 1 of 2,324

2 articles found by citation matching

[Pressure-controlled versus volume-controlled ventilation for acute respiratory failure due to acute lung injury \(ALI\) or acute respiratory distress syndrome \(ARDS\).](#)

Chacko B, et al. *Cochrane Database Syst Rev.* 2015. PMID: 25586462 [Free PMC article](#). Review.

[Vascular endothelial growth factor \(VEGF\) in acute lung injury \(ALI\) and acute respiratory distress syndrome \(ARDS\): paradox or paradigm?](#)

Medford AR, et al. *Thorax.* 2006. PMID: 16807391 [Free PMC article](#). Review.

[Show all](#)

### Acute respiratory distress syndrome.

1 Meyer NJ, Gattinoni L, Calfee CS.

Cite *Lancet.* 2021 Aug 14;398(10300):622-637. doi: 10.1016/S0140-6736(21)00439-6. Epub 2021 Jul 1.

PMID: 34217425 [Free PMC article](#). Review.

Share

**Acute respiratory distress syndrome (ARDS)** is an **acute respiratory** illness characterised by bilateral chest radiographical opacities with severe hypoxaemia due to non-cardiogenic pulmonary oedema. The COVID-19 pandemic has caused a ...

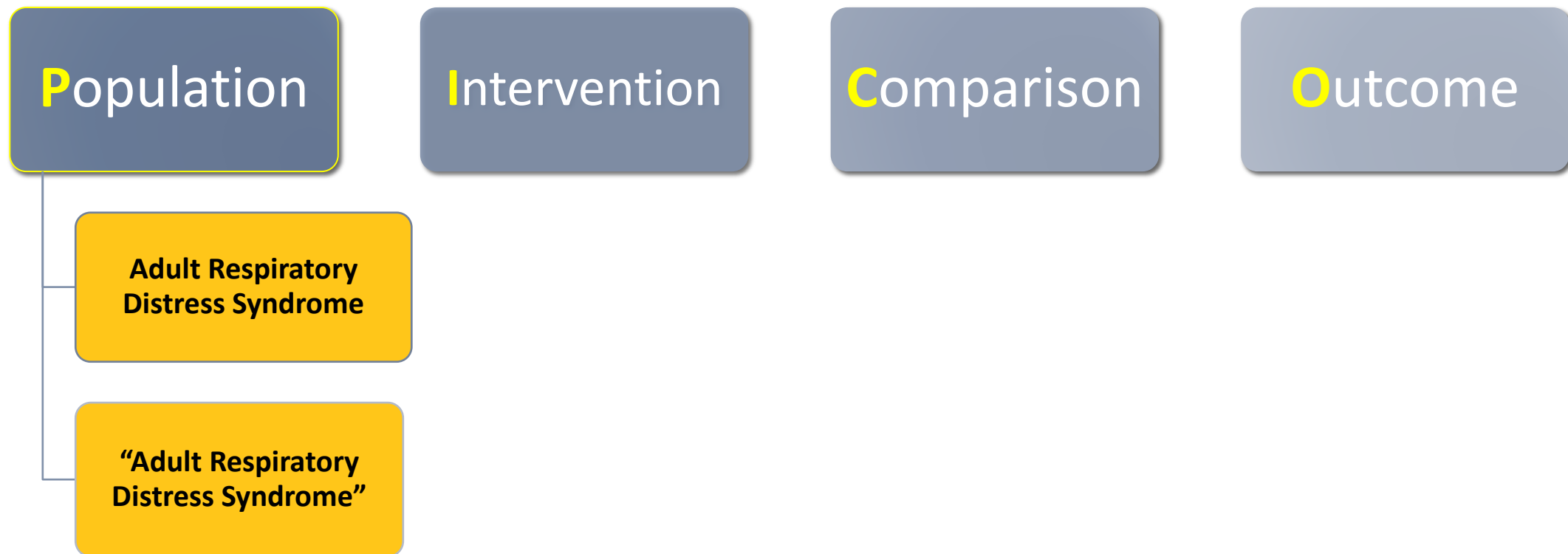
### Acute respiratory distress syndrome in adults: diagnosis, outcomes, long-term sequelae, and management.

2

Cite Gorman EA, O'Kane CM, McAuley DF.

# Effective Search Strategy: Quotation

Does steroid therapy improve mortality in adult patients with ARDS compared to placebo?





"adult respiratory distress syndrome"



Search

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[User Guide](#)

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Best match



Display options



MY NCBI FILTERS

All (4,396)

[Systematic Reviews \(29\)](#)

[Practice Guidelines \(6\)](#)

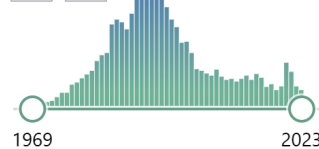
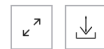
[Randomized Controlled Trials \(143\)](#)

[Cohort & Case Control \(892\)](#)

[Background/Reviews \(602\)](#)

— show fewer

RESULTS BY YEAR



TEXT AVAILABILITY

☐ Abstract

☐ Free full text

☐ Full text

ARTICLE ATTRIBUTE

4,396 results



Page

1

of 440



**Adult respiratory distress syndrome.**

1

Cutts S, Talboys R, Paspula C, Prempeh EM, Fanous R, Ail D.

Cite

Ann R Coll Surg Engl. 2017 Jan;99(1):12-16. doi: 10.1308/rcsbull.2017.12. Epub 2016 Aug 11.

PMID: 27513791

[Free PMC article.](#)

[Review.](#)

Share

**Adult respiratory distress syndrome** (ARDS) has now been described as a sequela to such diverse conditions as burns, amniotic fluid embolism, acute pancreatitis, trauma, sepsis and damage as a result of elective surgery in general. ...



**Adult respiratory distress syndrome: a review for the clinician.**

2

Hooker TP, Hammond MD, Salem A.

Cite

J Am Osteopath Assoc. 1992 Jul;92(7):886-90, 893-6.

PMID: 1429049

[Review.](#)

Share

**Adult respiratory distress syndrome** is a common **respiratory** problem with a wide array of precipitating causes and an overall mortality rate of more than 50%. Signs on physical examination tend to be nonspecific as do laboratory findings associat ...



**Adult respiratory distress syndrome: current concepts.**

3

Putterman C.

Cite

Resuscitation. 1988 Apr;16(2):91-105. doi: 10.1016/0300-9572(88)90074-3.

PMID: 2839886

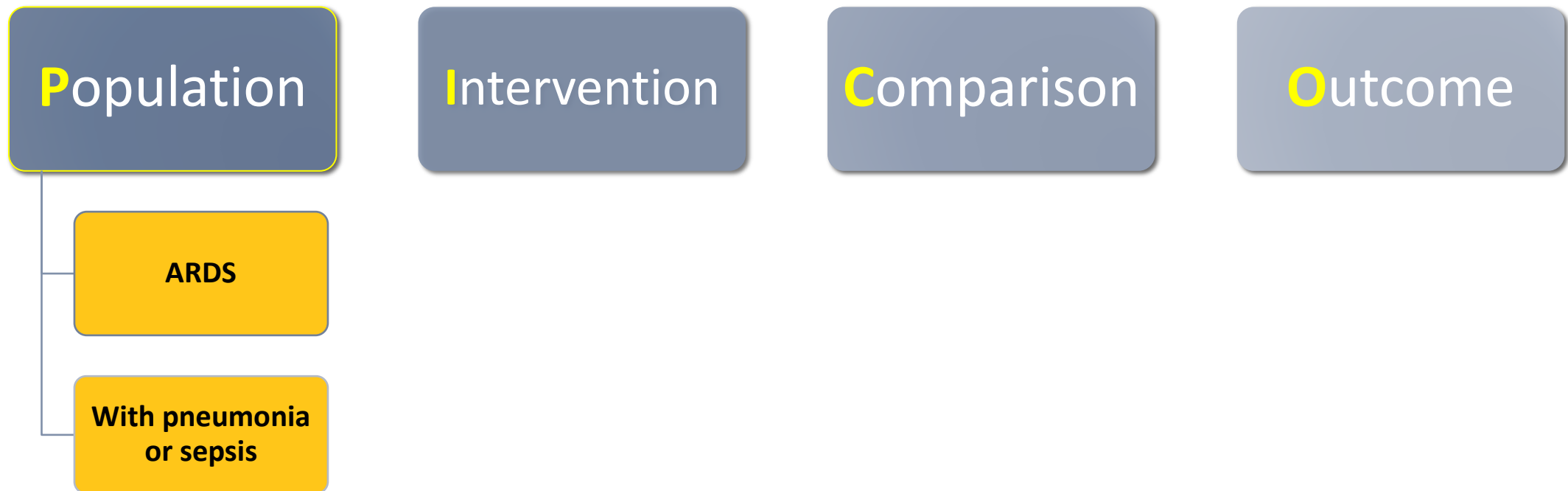
[Review.](#)

Share

**Adult Respiratory Distress Syndrome** (ARDS) is a common diagnosis in today's intensive care units, representing a final common pathway of lung response to a variety of disease states. ...It is hoped that increased knowledge and awareness of the various ...

# Effective Search Strategy: Parenthesis

**Does steroid therapy improve mortality in adult patients with ARDS (secondary to pneumonia or sepsis) compared to placebo?**





ARDS AND (Sepsis OR Pneumonia)



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Best match



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MY NCBI FILTERS



All (17,406)

[Systematic Reviews \(468\)](#)

[Practice Guidelines \(33\)](#)

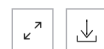
[Randomized Controlled Trials \(649\)](#)

[Cohort & Case Control \(4,297\)](#)

[Background/Reviews \(3,192\)](#)

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RESULTS BY YEAR



TEXT AVAILABILITY

☐ Abstract

☐ Free full text

☐ Full text

ARTICLE ATTRIBUTE

17,406 results



Page

1

of 1,741



**Acute Respiratory Distress Syndrome: Diagnosis and Management.**

1

Saguil A, Fargo MV.

Cite

Am Fam Physician. 2020 Jun 15;101(12):730-738.

Share

PMID: 32538594 [Free article.](#) [Review.](#)

Acute **respiratory distress syndrome (ARDS)** is noncardiogenic pulmonary edema that manifests as rapidly progressive dyspnea, tachypnea, and hypoxemia. ...In-hospital mortality for patients with severe **ARDS** ranges from 46% to 60%. **ARDS** ofte ...



2

**Current situation in ARDS in the light of recent studies: Classification, epidemiology and pharmacotherapeutics.**

Cite

Yıldırım F, Karaman İ, Kaya A.

Share

Tuberk Toraks. 2021 Dec;69(4):535-546. doi: 10.5578/tt.20219611.

PMID: 34957747 [Free article.](#) [Review.](#) [English.](#)

In the last 50 years, there have been great research and developments in the definition and pathophysiology of acute **respiratory distress syndrome (ARDS)**, the most progressive form of acute hypoxemic **respiratory** failure. ...Lung protective mecha ...



3

**Influenza virus-related critical illness: pathophysiology and epidemiology.**

Kalil AC, Thomas PG.

Cite

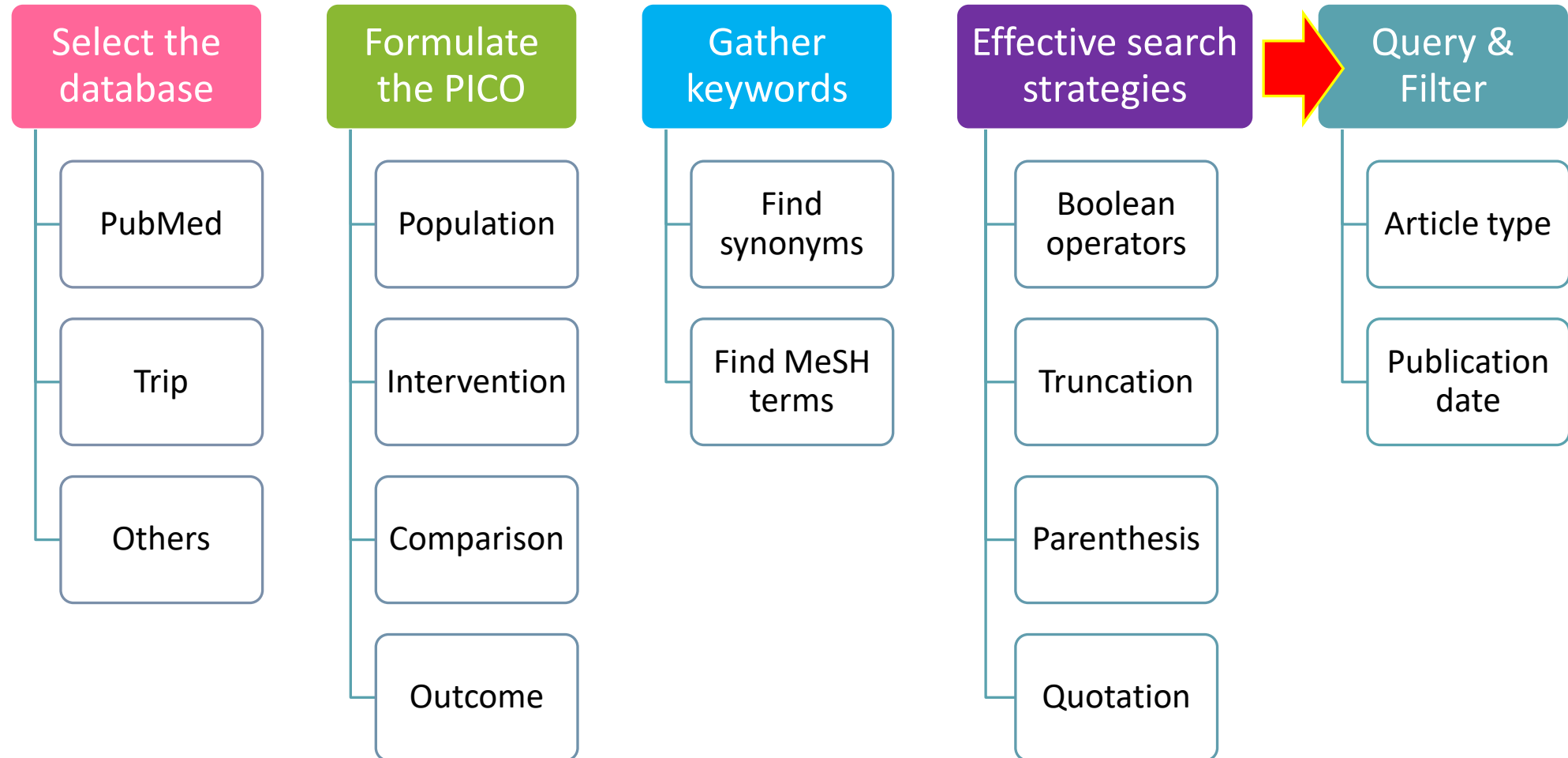
Crit Care. 2019 Jul 19;23(1):258. doi: 10.1186/s13054-019-2539-x.

Share

PMID: 31324202 [Free PMC article.](#) [Review.](#)

Influenza is associated with a high predisposition to bacterial **sepsis** and **ARDS**. Viral infections presenting concurrently with bacterial **pneumonia** are now known to occur with a frequency of 30-50% in both adult and pediatric populations. The H3N2 subtype has ...

# Searching the Medical Literature



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

Download

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Search	Actions	Details	Query	Results	Time
#4	...	>	Search: <b>Mortality OR Death</b>	2,393,866	07:02:30
#3	...	>	Search: <b>Steroid* OR Dexamethasone OR Corticosteroid*</b>	581,141	07:02:10
#2	...	>	Search: <b>COVID*</b>	375,984	07:01:30
#1	...	>	Search: <b>ARDS OR ALI Or "Acute Respiratory Distress Syndrome"</b>	23,237	07:00:56

Showing 1 to 4 of 4 entries

## PubMed Advanced Search Builder



Add terms to the query box

All Fields

Enter a search term

AND



[Show Index](#)

Query box

(((ARDS OR ALI Or "Acute Respiratory Distress Syndrome") NOT (COVID\*)) AND (Steroid\* OR Dexamethasone OR Corticosteroid\*)) AND (Mortality OR Death)

Search

## History and Search Details

 Download  Delete

Search	Actions	Details	Query	Results	Time
#4	...	>	Search: <b>Mortality OR Death</b>	2,393,866	07:02:30
#3	...	>	Search: <b>Steroid* OR Dexamethasone OR Corticosteroid*</b>	581,141	07:02:10
#2	...	>	Search: <b>COVID*</b>	375,984	07:01:30
#1	...	>	Search: <b>ARDS OR ALI Or "Acute Respiratory Distress Syndrome"</b>	23,237	07:00:56

Showing 1 to 4 of 4 entries

## PubMed Advanced Search Builder



Add terms to the query box

All Fields

Enter a search term

AND

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Query box

ARDS OR ALI OR "Acute Respiratory Distress Syndrome"

Search

## History and Search Details

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Search	Actions	Details	Query	Results	Time
#4	...	>	Search: <b>Mortality OR Death</b>	2,394,696	19:54:36
#3	...	>	Search: <b>Steroid* OR Dexamethasone OR Corticosteroid</b>	774,004	19:54:08
#2	...		Search: <b>COVID*</b>	376,394	19:53:25
#1	...		Search: <b>ARDS OR ALI OR "Acute Respiratory Distress Syndrome"</b>	145,441	19:53:09

Showing 1 to 4 of 4

- Add with AND
- Add with OR
- Add with NOT
- Delete
- Create alert



(((ARDS OR ALI Or "Acute Respiratory Distress Syndrome") NOT (COVID\*)) AND

Search

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396 results

<< < Page 1 of 40 > >>

All (396)

clinical trial (24)

English (363)

Free Full Text (208)

Humans (294)

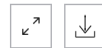
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Use COVID-19 filters from PubMed Clinical Queries to refine your search

Treatment Mechanism Transmission More filters

See more SARS-CoV-2 literature, sequence, and clinical content from NCBI

RESULTS BY YEAR



1977

2023

TEXT AVAILABILITY

Abstract

Free full text

Full text

ARTICLE ATTRIBUTE

Associated data

☐ **Dexamethasone** treatment for the **acute respiratory distress syndrome**: a multicentre, randomised controlled trial.

1

Cite Villar J, Ferrando C, Martínez D, Ambrós A, Muñoz T, Soler JA, Aguilar G, Alba F, González-Higueras E, Conesa LA, Martín-Rodríguez C, Díaz-Domínguez FJ, Serna-Grande P, Rivas R, Ferreres J, Belda J, Capilla L, Tallet A, Añón JM, Fernández RL, González-Martín JM; dexamethasone in ARDS network.

Share

Lancet Respir Med. 2020 Mar;8(3):267-276. doi: 10.1016/S2213-2600(19)30417-5. Epub 2020 Feb 7.

PMID: 32043986 Clinical Trial.

BACKGROUND: There is no proven specific pharmacological treatment for patients with the **acute respiratory distress syndrome (ARDS)**. The efficacy of **corticosteroids** in **ARDS** remains controversial.

We aimed to assess the effects of ...

☐ **Acute respiratory distress syndrome.**

2

Cite Sweeney RM, McAuley DF. Lancet. 2016 Nov 12;388(10058):2416-2430. doi: 10.1016/S0140-6736(16)00578-X. Epub 2016 Apr 28.

Share

PMID: 27133972 Free PMC article. Review.

**Acute respiratory distress syndrome** presents as hypoxia and bilateral pulmonary infiltrates on chest imaging in the absence of heart failure sufficient to account for this clinical state. ...The use of inhaled

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((ARDS OR ALI Or "Acute Respiratory Distress Syndrome") NOT (COVID\*)) AND

Search

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22 results

Page 1 of 3

All (22)

clinical trial (8)

English (22)

Free Full Text (22)

Humans (22)

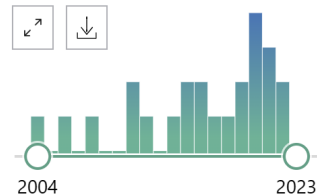
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Use COVID-19 filters from PubMed Clinical Queries to refine your search

Treatment Mechanism Transmission More filters

See more SARS-CoV-2 literature, sequence, and clinical content from NCBI

RESULTS BY YEAR



TEXT AVAILABILITY

Abstract

Free full text

Full text

ARTICLE ATTRIBUTE

Associated data

Filters applied: Free full text, Meta-Analysis, Randomized Controlled Trial. Clear all

**Corticosteroids** in septic shock: a systematic review and network meta-analysis.

Gibbison B, López-López JA, Higgins JP, Miller T, Angelini GD, Lightman SL, Annane D.

Cite Crit Care. 2017 Mar 28;21(1):78. doi: 10.1186/s13054-017-1659-4.

Share PMID: 28351429 Free PMC article. Review.

BACKGROUND: Multiple **corticosteroids** and treatment regimens have been used as adjuncts in the treatment of septic shock. ...Studies that included children and were designed to assess **respiratory** function in pneumonia and **acute respiratory distress** ...

**Efficacy and safety of corticosteroids for persistent acute respiratory distress syndrome.**

Steinberg KP, Hudson LD, Goodman RB, Hough CL, Lanken PN, Hyzy R, Thompson BT, Ancukiewicz M; National Heart, Lung, and Blood Institute Acute Respiratory Distress Syndrome (ARDS) Clinical Trials Network.

N Engl J Med. 2006 Apr 20;354(16):1671-84. doi: 10.1056/NEJMoa051693.

PMID: 16625008 Free article. Clinical Trial.

BACKGROUND: Persistent **acute respiratory distress syndrome (ARDS)** is characterized by excessive

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## PubMed Advanced Search Builder



Add terms to the query box

Author

Villar

AND



Show Index

Query box

Villar[Author]

Search

## History and Search Details

 Download  Delete

Search	Actions	Details	Query	Results	Time
#2	...	>	Search: <b>ARDS</b>	64,116	16:19:28

Showing 1 to 1 of 1 entries

PubMed Advanced Search Builder



Add terms to the query box

All Fields

Enter a search term

AND

Show Index

Query box

ARDS

Search

History and Search Details

Download Delete

Search	Actions	Details	Query	Results	Time
#3	<div>...</div>	Add with AND	illar[Author]	4,129	16:20:26
#2	...	Add with OR	RDS	64,116	16:19:28

Showing 1 to 2 of 2

- Add with AND
- Add with OR
- Add with NOT
- Delete
- Create alert



(ARDS) AND (Villar[Author])



Search

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RESULTS BY YEAR



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2023

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☐ Associated data

ARTICLE TYPE

☐ Books and Documents

☐ Clinical Trial

☐ Meta-Analysis

☐ Randomized Controlled



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[Lung Repair and Regeneration in ARDS: Role of PECAM1 and Wnt Signaling.](#)

**Villar J**, Zhang H, Slutsky AS.

Chest. 2019 Mar;155(3):587-594. doi: 10.1016/j.chest.2018.10.022. Epub 2018 Oct 28.

PMID: 30392791 [Free PMC article.](#) [Review.](#)

**ARDS** is an acute inflammatory pulmonary process triggered by severe pulmonary and systemic insults to the alveolar-capillary membrane. ...Despite substantial advances in supportive measures, there are no specific pharmacologic treatments for **ARDS**, and the overall ho ...

[Dexamethasone treatment for the acute \*\*respiratory distress syndrome\*\*: a multicentre, randomised controlled trial.](#)

**Villar J**, Ferrando C, Martínez D, Ambrós A, Muñoz T, Soler JA, Aguilar G, Alba F, González-Higueras E, Conesa LA, Martín-Rodríguez C, Díaz-Domínguez FJ, Serna-Grande P, Rivas R, Ferreres J, Belda J, Capilla L, Tallet A, Añón JM, Fernández RL, González-Martín JM; dexamethasone in ARDS network.

Lancet Respir Med. 2020 Mar;8(3):267-276. doi: 10.1016/S2213-2600(19)30417-5. Epub 2020 Feb 7.

PMID: 32043986 [Clinical Trial.](#)

BACKGROUND: There is no proven specific pharmacological treatment for patients with the acute **respiratory distress syndrome (ARDS)**. The efficacy of corticosteroids in **ARDS** remains controversial. We aimed to assess the effects of dexamethasone in ...

[Clinical and biological markers for predicting \*\*ARDS\*\* and outcome in septic patients.](#)

**Villar J**, Herrán-Monge R, González-Higueras E, Prieto-González M, Ambrós A, Rodríguez-Pérez A, Muriel-Bombín A, Solano R, Cuenca-Rubio C, Vidal A, Flores C, González-Martín JM, García-Laorden MI; Genetics of Sepsis (GEN-SEP) Network

# Anatomy of the Search Results

- ☐ [Policy Issues in the Development and Adoption of Biomarkers for Molecularly Targeted Cancer Therapies: Workshop Summary.](#)  
 National Cancer Policy Forum, Board on Health Care Services, Institute of Medicine.  
 Washington (DC): National Academies Press (US); 2015.  
 PMID: 25855848    [Free Books & Documents](#)  
[Similar articles](#)
- ☐ [Four-wave mixing experiments with extreme ultraviolet transient gratings.](#)  
 2. Bencivenga F, Cucini R, Capotondi F, Battistoni A, Mincigrucci R, Giangrisostomi E, Gessini A, Manfreda M, Nikolov IP, Pedersoli E, Principi E, Svetina C, Parisse P, Casolari F, Danailov MB, Kiskinova M, Masciovecchio C. Nature. 2015 Apr 9;520(7546):205-8. doi: 10.1038/nature14341.  
 PMID: 25855456  
[Similar articles](#)
- ☐ [Molecular imaging of angiogenesis after myocardial infarction by \(111\)In-DTPA-cNGR and \(99m\)Tc-sestamibi dual-isotope myocardial SPECT.](#)  
 3. Hendrikx G, De Saint-Hubert M, Dijkgraaf I, Bauwens M, Douma K, Wierds R, Pooters I, Van den Akker NM, Hackeng TM, Post MJ, Mottaghy FM. EJNMMI Res. 2015 Jan 28;5:2. doi: 10.1186/s13550-015-0081-7. eCollection 2015.  
 PMID: 25853008    [Free PMC Article](#)  
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# Outline

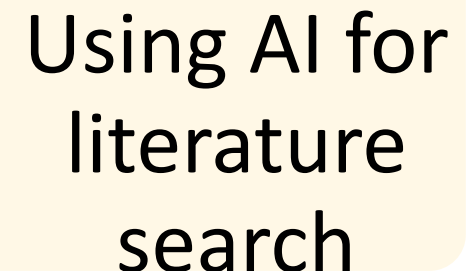
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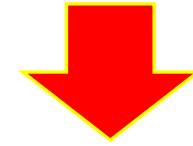
The Medical  
Literature



Searching the  
Medical  
Literature



Using AI for  
literature  
search



MK


Create a search query on PubMed for Does steroid therapy improve mortality in adult patients with ARDS compared to placebo?



To create a search query on PubMed for the topic "Does steroid therapy improve mortality in adult patients with ARDS compared to placebo?", you can use the following query:



arduino

 Copy code

```
("steroid therapy" OR "corticosteroid therapy" OR "glucocorticoid therapy")
```

This query includes various keywords and phrases related to the topic to help you find relevant research articles on PubMed.

# ChatGPT generated Query

§ ("steroid therapy" OR "corticosteroid therapy" OR "glucocorticoid therapy") AND ("mortality" OR "death") AND ("adult patients" OR "adults") AND ("ARDS" OR "acute respiratory distress syndrome") AND ("placebo" OR "control group")

Literature Search Query ✕

Output in

English



Tone

Default



Writing Style

Default



Intervention

Proning



Comparison

No proning



Outcome

Mortality



Adults with ARDS



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Mazen Kherallah



- **ARDS:** MeSH term is "Respiratory Distress Syndrome, Adult"
- **Proning:** MeSH term is "Prone Position"
- **No proning:** This is the absence of the intervention, so we won't have a MeSH term for this.
- **Mortality:** MeSH term is "Mortality"

Using this information, we can construct the search query optimized for PubMed:

mathematica

 Copy code

```
("Respiratory Distress Syndrome, Adult"[MeSH Terms] OR ARDS[Text Word])
AND
("Prone Position"[MeSH Terms] OR proning[Text Word])
AND
("Mortality"[MeSH Terms] OR death[Text Word] OR fatal[Text Word])
NOT
(no proning[Text Word] OR "supine position"[Text Word])
```

Generate keywords and synonyms for the literature search query: does proning position improve outcome in adults patients with ARDS compared to no proning

1. **Prone Position / Proning**

- Face-down
- Ventral decubitus
- Prone ventilation

2. **Outcome**

- Result
- End result
- Consequence
- Effect
- Upshot

3. **Adults**

- Grown-ups
- Mature individuals
- Elderly

4. **Patients**

- Subjects
- Participants
- Individuals
- Cases

5. **ARDS (Acute Respiratory Distress Syndrome)**

- Acute lung injury
- Respiratory failure
- ALI

MK

Use ScholarAI search the literature for randomized controlled trials on Does steroid therapy improve mortality in adult patients with ARDS compared to placebo?



Used ScholarAI



Here are the randomized controlled trials (RCTs) related to the effect of steroid therapy on mortality in adult patients with ARDS compared to placebo:

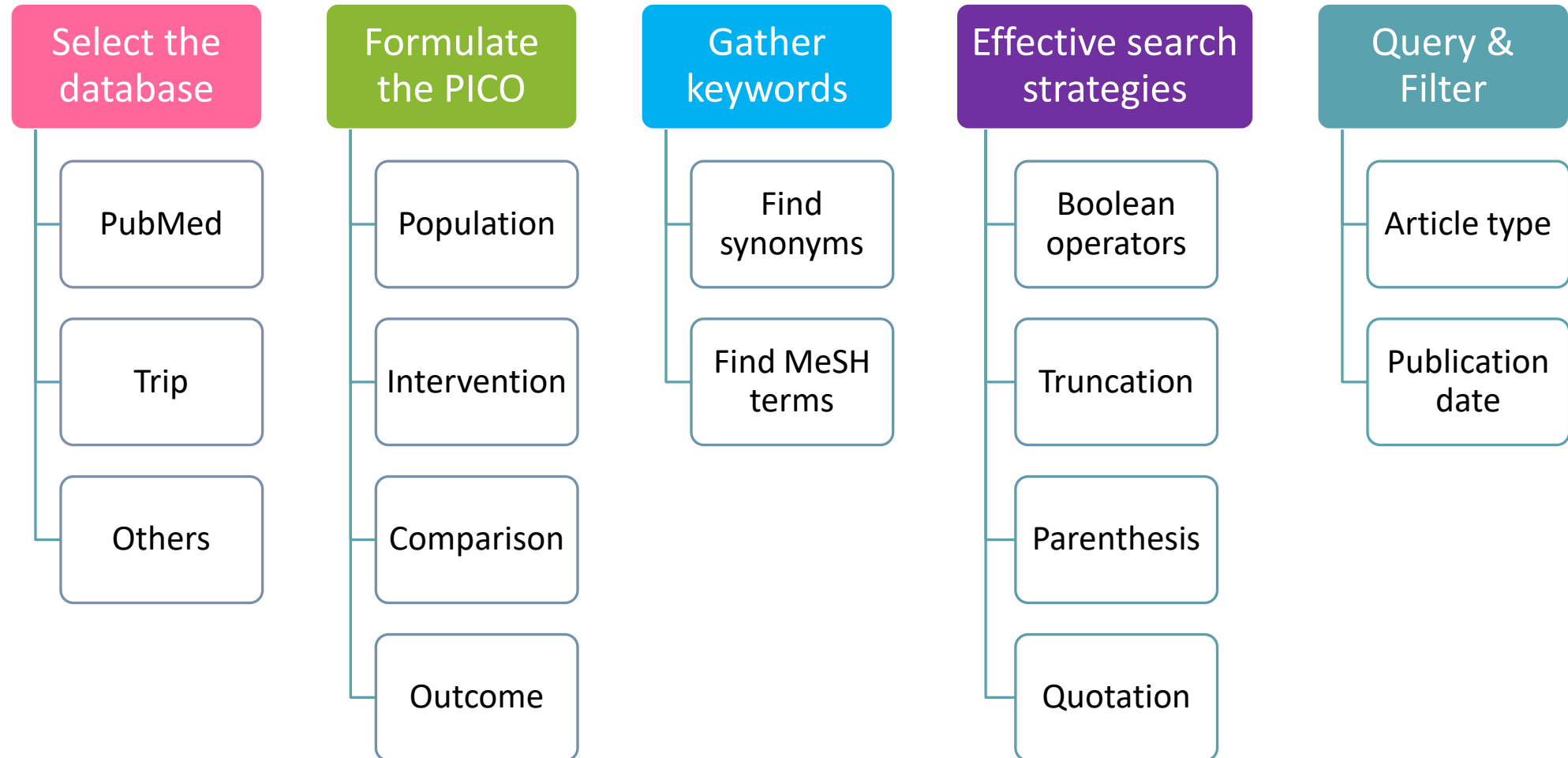
1. **Steroid treatment in patients with acute respiratory distress syndrome: a systematic review and network meta-analysis**

- **Abstract:** This study conducted a network meta-analysis (NMA) to compare the differences in efficacy among different doses and types of steroids in ARDS patients. The study found that the effect of steroids on the outcome in patients with ARDS might depend on the type of the steroid drug administered.
- **Authors:** S. Yoshihiro, T. Hongo, S. Ohki, and others.
- **Publication Date:** 2021-11-10
- [Link to the study](#)
- [PDF Link](#)

2. **Safety and efficacy of multipotent adult progenitor cells in acute respiratory distress syndrome (MUST-ARDS): a multicentre, randomised, double-blind, placebo-controlled phase 1/2 trial**

- **Abstract:** This trial evaluated the safety and tolerability of intravenous multipotent adult progenitor cells in patients with moderate-to-severe ARDS. The study found that

# Searching the Medical Literature



Thank You

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