

An introduction to database

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PubMed

- ❑ a free resource
- ❑ more than 35 million citations for **biomedical** literature from MEDLINE, life science **journals**, and **online books**.

Boolean operators



OR —————> **GERD OR reflux OR gastrointestinal reflux disease**

AND —————> **Hematoma AND ESRD**

NOT —————> **Therapy NOT physical**

Truncation

Example:

Flavor*  flavorful, flavoring, flavored

➤ **Basic search**

➤ **Advanced search**

Basic search

- **hemorrhoid treatment**
- **causes of GI bleeding**

Advanced search (PICO)



P → **Patient/ Problem/ Population**

I → **Intervention**

C → **Comparison**

O → **Outcome**

PICO database examples

- TRIP database
- Embase
- Cochrane

In patients with total hip replacements (Population), how effective is pain medication (Intervention) compared to aerobic stretching (Comparison) in controlling post operative pain (Outcome)

✓ In patients with hepatitis B, how does acetaminophen compared to ibuprofen affect liver function?

P **I**

✓ In patients with hepatitis B, how does acetaminophen
compared to ibuprofen affect liver function?

C **O**

Query

**The effect of Rivaroxaban in comparison with Warfarin
in cirrhotic patients**

PICO concepts

**The effect of Rivaroxaban in comparison with Warfarin
in cirrhotic patients**

Searching Steps

1. Determining PICO
2. Expanding keywords (synonyms)
3. Choosing relevant database
4. Conducting search strategy

Synonyms

- ☐ Using subject headings such as: MeSH, Emtree
- ☐ Professionals
- ☐ Scanning articles

MeSH database

☐ **Medical Subject Heading**

☐ **controlled vocabulary thesaurus used for indexing PubMed citations**

Mesh Database

PubMed.gov

Advanced

PubMed® comprises more than 34 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.



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MeSH Database

**COVID-19 Information**

[Public health information \(CDC\)](#) | [Research information \(NIH\)](#) | [SARS-CoV-2 data \(NCBI\)](#) | [Prevention and treatment information \(HHS\)](#) | [Español](#)



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Neoplasms

New abnormal growth of tissue. Malignant neoplasms show a greater degree of anaplasia and have the properties of invasion and metastasis, compared to benign neoplasms.

Year introduced: /diagnosis was NEOPLASM DIAGNOSIS 1964-1965

PubMed search builder options

[Subheadings:](#)

Tree Number(s): C04

MeSH Unique ID: D009369

Entry Terms:

- Tumor
- Neoplasm
- Tumors
- Neoplasia
- Neoplasias
- Cancer
- Cancers
- Malignant Neoplasm
- Malignancy
- Malignancies
- Malignant Neoplasms
- Neoplasm, Malignant
- Neoplasms, Malignant
- Benign Neoplasms
- Benign Neoplasm
- Neoplasms, Benign
- Neoplasm, Benign

[All MeSH Categories](#)

[Diseases Category](#)

Neoplasms

[Cysts](#)

[Arachnoid Cysts](#)

[Bone Cysts](#) +

PubMed Search Builder

[See more...](#)

Choosing relevant database

Background Q (UpToDate, ClinicalKey, Dynamed)

PICO/ advanced Q (PubMed, Embase, Cochrane)

Search strategy

(online)

Query

**The effect of Rivaroxaban in comparison with Warfarin
in cirrhotic patients**


Search results interface

Search results

Save

Email

Send to


Display options 

Review

Cureus. 2021 Nov 29;13(11):e20009. doi: 10.7759/cureus.20009. eCollection 2021 Nov.

Hereditary Hemochromatosis: A Cardiac Perspective

Pranay K Joshi¹, Saawan C Patel², Devarashetty Shreya³, Diana I Zamora⁴, Gautami S Patel²,
Idan Grossmann⁵, Kevin Rodriguez⁶, Mridul Soni⁷, Ibrahim Sange⁸

Affiliations  expand

PMID: 34987900

PMCID: PMC8716004

DOI: 10.7759/cureus.20009

Free PMC article

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Juvenile Hemochromatosis.

Piperno A, Bertola F, Bentivegna A.

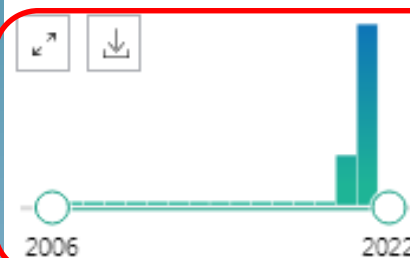
2005 Feb 17 [updated 2020 Jan 9]. In: Adam MP, Ardinger HH, Pagon RA, Wallace SE, Bean LJH, Gripp KW, Mirzaa GM, Amemiya A, editors. GeneReviews® [Internet]. Seattle (WA): University of Washington, Seattle; 1993–2022.

PMID: 20301349 [Free Books & Documents.](#) [Review.](#)

HFE Hemochromatosis.

Barton JC, Edwards CQ.

2000 Apr 3 [updated 2018 Dec 6]. In: Adam MP, Ardinger HH, Pagon RA, Wallace SE, Bean LJH, Gripp KW, Mirzaa GM, Amemiya A, editors. GeneReviews® [Internet]. Seattle (WA): University of Washington, Seattle; 1993–2022.



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

- ☐ Associated data

- ☐ Books and Documents
- ☐ Clinical Trial
- ☐ Guideline

16,184 results

Page 1 of 81



COVID-19 Vaccine Uptake Among People Living with HIV.

1

Menza TW, Capizzi J, Zlot AI, Barber M, Bush L.

Cite

AIDS Behav. 2022 Jan 7. doi: 10.1007/s10461-021-03570-9. Online ahead of print.

PMID: 34994913

Share

People living with HIV (PLWH) are at greater risk for severe **COVID-19** and are a priority population for **COVID-19** vaccination. ...Greater advocacy, education, and care navigation are required to increase **COVID-19 vaccine** access and ...



SARS-CoV-2 Reinfection Rate and Estimated Effectiveness of the Inactivated Whole Virion Vaccine BBV152 Against Reinfection Among Health Care Workers in New Delhi, India.

2

Malhotra S, Mani K, Lodha R, Bakhshi S, Mathur VP, Gupta P, Kedia S, Sankar J, Kumar P, Kumar A, Ahuja V, Sinha S, Guleria R; COVID Reinfection AIIIMS Consortium, Dua A, Ahmad S, Sathiyamoorthy R, Sharma A, Sakya T, Gaur V, Chaudhary S, Sharma S, Madan D, Gupta A, Virmani S, Gupta A, Yadav N, Sachdeva S, Sharma S, Singh S, Pandey A, Singh M, Jhurani D, Sarkar S, Lokade AK, Mohammad A, Pandit S, Dubey R, Singh AK, Gohar N, Soni D, Bhattacharyya A, Rai S, Tummala S, Gupta I, Shukla S.

JAMA Netw Open. 2022 Jan 4;5(1):e2142210. doi: 10.1001/jamanetworkopen.2021.42210.

PMID: 34994793

Share

IMPORTANCE: A surge of **COVID-19** occurred from March to June 2021, in New Delhi, India, linked to the B.1.617.2 (Delta) variant of SARS-CoV-2. **COVID-19 vaccines** were rolled out for health care workers (HCWs) starting in January 2021. ...



Nucleic Acid-Based Vaccines Platform Against Covid-19 Pandemic.

3

Baghban R, Mahmoodi S.

Cym Med Med. 2022 Jan 6. doi: 10.2134/cymmed.2022.0001. Online ahead of print.

Have
a good
time