



# Mesh



# e-vident



# MeSH Medical Subject Headings

- MeSH is the standard terminology used by the indexer and helps to find articles on the topic, regardless of the exact wording used by the authors.
- Controlled vocabulary of subject terms; it is another feature built into PubMed to enhance retrieval of best evidence.



# What is MeSH?

- MeSH is a vocabulary of subject headings and subheadings
- Subject terms are selected and approved for use by NLM
- Each year subject headings are revised with additions and deletions
- Used to describe the subject content of all publication types in PubMed and in the library catalogs
- Hierarchy of terms with broad and narrow terms



# Advantages of MeSH

- Consistency in meaning of terms is maintained over time
- Synonyms are organized under one MeSH term
- Allows for both specific and comprehensive results
- Cuts down on irrelevant retrieval



- The MeSH controlled vocabulary is a distinctive feature of MEDLINE.
- It imposes uniformity and consistency to the indexing of biomedical literature.
- MeSH terms are arranged in a hierarchical categorized manner called MeSH Tree Structures and are updated annually.
- Searching using MeSH allows you to overcome problems of spelling and terminology; especially when you might not be aware of different spellings or terminology.

Home - PubMed - NCBI - Mozilla Firefox

Doğya Düzen Görünüm Geçmiş Yer İmleri Araçlar Yardım

Login Success Home - PubMed - NCBI

www.ncbi.nlm.nih.gov/pubmed/ Google

En çok ziyaret edilenler İlk Adım Customize Links Free Hotmail Windows Marketplace Windows Media Windows

NCBI Resources How To My NCBI Sign In

PubMed.gov PubMed Search Help  
US National Library of Medicine  
National Institutes of Health

## PubMed

PubMed comprises more than 21 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.

Using PubMed	PubMed Tools	More Resources
<a href="#">PubMed Quick Start Guide</a>	<a href="#">PubMed Mobile</a>	<a href="#">MeSH Database</a>
<a href="#">Full Text Articles</a>	<a href="#">Single Citation Matcher</a>	<a href="#">Journals in NCBI Databases</a>
<a href="#">PubMed FAQs</a>	<a href="#">Batch Citation Matcher</a>	<a href="#">Clinical Trials</a>
<a href="#">PubMed Tutorials</a>	<a href="#">Clinical Queries</a>	<a href="#">E-Utilities</a>
<a href="#">New and Noteworthy</a>	<a href="#">Topic-Specific Queries</a>	<a href="#">LinkOut</a>

You are here: NCBI > Literature > PubMed Write to the Help Desk

start e-vident e-vident... ??? - Wi... MeSH in ... Home - ... SEARCHI... SEARCHI... 3:26 PM



**MEDLINE جستجوی**

## **Medical Subject Headings (MeSH)**

- دلیل ایجاد MeSH این بود که همه مقاله هایی که در مورد یک موضوع هستند تحت یک عنوان استاندارد لیست شوند
- موثرترین راه جستجوی Medline استفاده از MeSH در حد ممکن است.

# MEDLINE جستجوی

- برای جستجوی مقالاتی که یک کلمه در عنوان، یا نام نویسنده آن ها وجود دارد:

Tehran[title]  
Rothman[Author]

- برای جستجوی یک عبارت:

“lead poisoning”

- استفاده از عملگرهای شرطی AND، OR:

Tehran AND “public health”  
“traffic injury” OR Iran[Title]



# خدمات و امکانات دیگر PubMed برای جستجو

Journals Database

MeSH Database

# تعريف و کاربرد اصطلاحنامه

- اصطلاحنامه معادل فارسي **تزاروس** از ریشه يوناني **treasury**
- مجموعه اي از واژه هاي رایج و معتبر در يك يا چند رشته علمي كه علاوه بر نظم الفبائي داراي ساختار سلسله مراتبي نيز است.
- انواع روابط بين واژه ها ( مترادفها/ مرتبط ها/ اعم و اخص) در اين مجموعه ارائه مي شود .
- شما را از يك اصطلاح غير رایج و غير علمي به اصطلاح گزيده و معتبر آن هدايت مي کند. مثال **cancer See Neoplasm**
- بطور مستمر و پرايش و روزآمد مي شود .
- كليك يك جستجوي دقيق در محتوای مقالات پایگاههاي اطلاعاتي مانند مدلاين است.

# اصطلاحنامه استاندارد پزشکی MeSH

- **MeSH** وسیله ای توانا و مفید در پژوهشهای پزشکی است و همانگونه که از نام آن بر می آید مجموعه ای از اصطلاحات معتبر و استاندارد حوزه پزشکی و رشته های وابسته به آن است. (بیش از ۱۹۰۰۰ اصطلاح)
- مشخصات هر مقاله به همراه اختصاصی ترین موضوع یا موضوعهای آن (**keywords**) وارد پایگاه اطلاعاتی مدلاین می شود و مجموع این واژه های کلیدی در این اصطلاحنامه بصورت الفبایی تنظیم و عرضه می شوند.
- این اصطلاحنامه به شما کمک می کند که اصطلاحهای استاندارد و ارجح حوزه پزشکی را بشناسید.
- با استفاده از این اصطلاحنامه می توانید مناسبترین واژه را برای جستجوی خود در پایگاه اطلاعاتی مدلاین و حتی در دیگر موتورهای جستجوی اینترنت بیابید.

# MeSH Database link?

The screenshot shows the PubMed website in a Windows Internet Explorer browser. The address bar displays <http://www.ncbi.nlm.nih.gov/pubmed/>. The search bar contains the text "PubMed" and a dropdown menu is open, listing various database options. The "MeSH" option is highlighted in blue. A blue arrow points from the title "MeSH Database link?" to the "MeSH" option in the dropdown menu. Another blue arrow points from the title to the "MeSH Database" link in the "More Resources" section. The "More Resources" section includes links for "MeSH Database", "Journals in NCBI Databases", "Clinical Trials", "E-Utilities", and "LinkOut".

Search: PubMed  
PubMed  
Protein  
Nucleotide  
GSS  
EST  
Structure  
Genome  
BioSample  
BioSystems  
Books  
CancerChromosomes  
Conserved Domains  
dbGaP  
dbVar  
Epigenomic  
Gene  
Genome Project  
GENSAT  
GEO DataSets  
GEO Profiles  
HomoloGene  
Images  
MeSH  
NCBI Web Site  
NLM Catalog  
OMIA  
OMIM  
Peptidome  
PMC  
PopSet

More Resources

- [MeSH Database](#)
- [Journals in NCBI Databases](#)
- [Clinical Trials](#)
- [E-Utilities](#)
- [LinkOut](#)

# جستجو در اصطلاحنامه MeSH

The screenshot shows the MeSH Home page in a Windows Internet Explorer browser. The address bar displays <http://www.ncbi.nlm.nih.gov/mesh>. A search bar contains the text "hematology" and a blue callout bubble with the word "hematology" is positioned over it. The page header includes the NCBI logo and the text "A service of the National Library of Medicine and the National Institutes of Health". The navigation menu includes "All Databases", "PubMed", "Nucleotide", "Protein", "Genome", "Structure", "OMIM", "PMC", "Journals", and "Books". The search results section shows "Search MeSH for hematology" with "Go" and "Clear" buttons. Below the search bar are buttons for "Limits", "Preview/Index", "History", "Clipboard", and "Details". The main content area contains the following text:

**MeSH** is the U.S. National Library of Medicine's controlled vocabulary used for indexing articles for MEDLINE/PubMed. MeSH terminology provides a consistent way to retrieve information that may use different terminology for the same concepts.

- Use the MeSH database to find Medical Subject Heading Terms and build a search strategy.

MeSH database tutorials:

- Searching with the MeSH Database  
Quick Tour
- Combining MeSH Terms  
Quick Tour
- Applying Subheadings and other features of the MeSH Database  
Quick Tour

The left sidebar contains links for "About Entrez", "Text Version", "Entrez PubMed", "PubMed Services", and "Related Resources". The Windows taskbar at the bottom shows the Start button and several open applications, including "Search Results", "مدالین جدید", "Mohsen Shirazi Me...", "hematology - MeS...", and "MeSH Home - Win...". The system clock shows the time as 5:22 PM.

# سرعنوانهای موضوعی اصلی MeSH به همراه تعریف آن

The screenshot shows a Windows Internet Explorer browser window displaying the MeSH website. The address bar shows the URL <http://www.ncbi.nlm.nih.gov/mesh>. The search bar contains the text "MeSH" and "for hematology". The search results are displayed in a list format, with the first result being "Hematology". A blue arrow points from the top right of the browser window down to the first search result.

NCBI MeSH  
A service of the National Library of Medicine and the National Institutes of Health

My NCBI [Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search MeSH for hematology [Go] [Clear] [Save Search]

Limits Preview/Index History Clipboard Details

Display Summary Show 20 Send to

All: 7

Items 1 - 7 of 7 One page.

1: [Hematology](#) Links  
A subspecialty of internal medicine concerned with morphology, physiology, and pathology of the blood and blood-forming tissues.

2: [AIEOP protocol 8202 \[Substance Name\]](#) Links  
chemotherapy protocol consisting of above cpds; used in treatment of acute lymphoblastic leukemia (ALL) in children with cystic fibrosis  
Date introduced: February 10, 1993

3: [Protein S Deficiency](#) Links  
An autosomal dominant disorder showing decreased levels of plasma protein S antigen or activity, associated with venous thrombosis and pulmonary embolism. PROTEIN S is a vitamin K-dependent plasma protein that inhibits blood clotting by serving as a cofactor for activated PROTEIN C (also a vitamin K-dependent protein), and the clinical manifestations of its deficiency are virtually identical to those of protein C deficiency. Treatment with heparin for acute thrombotic processes is usually followed by maintenance administration of coumarin drugs for the prevention of recurrent thrombosis. (From Harrison's Principles of Internal Medicine, 12th ed, p1511; Wintrobe's Clinical Hematology, 9th ed, p1523)

Recent activity

Turn Off Clear

hematology (7)

sars (33)

MeSH

» See more...

Done Internet 100%

start Search Results مفاکین جدید [Mohsen Shirazi Me... hematology - MeS... MeSH Home - Win... EN 5:25 PM

# سر عنوان اصلی hematology همراه موضوعهای فرعی و طبقه بندی موضوعی

NCBI Resources How To Sign in to NCBI

MeSH MeSH Search Limits Advanced Help

Display Settings Full

## Hematology

A subspecialty of internal medicine concerned with morphology, physiology, and pathology of the blood and blood-forming tissues.

PubMed search builder options

Subheadings:

<input type="checkbox"/> classification	<input type="checkbox"/> instrumentation	<input type="checkbox"/> statistics and numerical data
<input type="checkbox"/> diagnosis	<input type="checkbox"/> legislation and jurisprudence	<input type="checkbox"/> supply and distribution
<input type="checkbox"/> economics	<input type="checkbox"/> manpower	<input type="checkbox"/> therapy
<input type="checkbox"/> education	<input type="checkbox"/> methods	<input type="checkbox"/> trends
<input type="checkbox"/> ethics	<input type="checkbox"/> organization and administration	<input type="checkbox"/> veterinary
<input type="checkbox"/> history	<input type="checkbox"/> standards	

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

Tree Number(s): H07.403.429.445

See Also:

- [Hematologic Diseases](#)

[All MeSH Categories](#)  
[Disciplines and Occupations Category](#)  
[Health Occupations](#)  
[Medicine](#)  
[Internal Medicine](#)  
**Hematology**

Send to: PubMed search builder

Add to search builder AND Search PubMed

Related information

PubMed  
PubMed - Major Topic  
Clinical Queries  
NLM MeSH Browser

Recent activity

Turn Off Clear

- Internal Medicine MeSH
- Hematology MeSH
- hematology (7) MeSH
- PubMed Help - PubMed Help Bookshelf
- lancet (461) NLM Catalog

M.shirazi Pubmed seminar

# + (subheadings) فرعی موضوعهای Add to search builder و انتخاب گزینه search pubmed

NCBI Resources How To Sign in to NCBI

MeSH MeSH Search Limits Advanced Help

Display Settings: Full Send to:

### Hematology

A subspecialty of internal medicine concerned with morphology, physiology, and pathology of the blood and blood-forming tissues.

PubMed search builder options

Subheadings:

<input type="checkbox"/> classification	<input type="checkbox"/> instrumentation	<input type="checkbox"/> statistics and numerical data
<input type="checkbox"/> diagnosis	<input type="checkbox"/> legislation and jurisprudence	<input type="checkbox"/> supply and distribution
<input type="checkbox"/> economics	<input type="checkbox"/> manpower	<input type="checkbox"/> therapy
<input type="checkbox"/> education	<input type="checkbox"/> methods	<input type="checkbox"/> trends
<input type="checkbox"/> ethics	<input type="checkbox"/> organization and administration	<input type="checkbox"/> veterinary
<input type="checkbox"/> history	<input type="checkbox"/> standards	

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

Tree Number(s): H02.403.429.445

See Also:

- [Hematologic Diseases](#)

[All MeSH Categories](#)

[Disciplines and Occupations Category](#)

[Health Occupations](#)

[Medicine](#)

[Internal Medicine](#)

**Hematology**

PubMed search builder

"Hematology/classification" [MeSH]

Add to search builder AND Search PubMed

### Related information

PubMed

PubMed - Major Topic

Clinical Queries

NLM MeSH Browser

### Recent activity

Turn Off Clear

- Internal Medicine MeSH
- Hematology MeSH
- hematology (7) MeSH
- PubMed Help - PubMed Help Bookshelf
- lancet (461) NLM Catalog



# نتیجه جستجو از طریق MeSH

فیلتر کردن نتیجه جستجو

انجام جستجو در عنوان مقالات

PubMed "Hematology/classification"[Mesh]

RSS Save search Advanced

Show additional filters

Display Settings:  Summary, Sorted by Recently Added

Send to:  Filters: [Manage Filters](#)

## Text availability

Abstract available  
Free full text available  
Full text available

## Publication dates

5 years  
10 years  
Custom range...

## Species

Humans

## Article types

more ...

## Languages

English  
more ...

[Clear all](#)

[Show additional filters](#)

## Results: 4

- [Medical devices; hematology and pathology devices; reclassification of automated blood cell separator device operating by centrifugal separation principle. Final rule.](#)  
Food and Drug Administration, HHS.  
Fed Regist. 2007 Nov 30;72(230):67640-4.  
PMID: 18064768 [PubMed - indexed for MEDLINE] **Free Article**  
[Related citations](#)
- [A survey of clinical productivity and current procedural terminology \(CPT\) coding patterns of pediatric hematologist/oncologists.](#)  
Griffin TC, Hutter JJ, Johnson KK, Moscow JA.  
Pediatr Blood Cancer. 2004 Aug;43(2):140-7.  
PMID: 15236280 [PubMed - indexed for MEDLINE]  
[Related citations](#)
- [Medical devices; hematology and pathology devices; classification of the Factor V Leiden DNA mutation detection systems devices. Final rule.](#)  
Food and Drug Administration, HHS.  
Fed Regist. 2004 Mar 16;69(51):12271-3.  
PMID: 15025053 [PubMed - indexed for MEDLINE] **Free Article**  
[Related citations](#)

## Titles with your search terms

Detection and **classification** of acute leukemia by th [Am J Clin Pathol. 1996]

The technicon H6000 automated **hematology** an [Haematologica. 1990]

Medical devices; **hematology** and pathology devices; c [Fed Regist. 2007]

[See more...](#)

## Find related data

Database:

## Search details

"Hematology/classification"[Mesh]

[See more...](#)

# مثال

➤ آیا در زنان ۴۰ تا ۵۰ ساله، انجام غربالگری با  
ماموگرافی در مقایسه با عدم انجام آن میزان  
مرگ ناشی از سرطان پستان را کاهش می دهد؟



My NCBI  
Welcome motevali. [Sign Out](#)

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search MeSH for Breast Cancer   [Save Search](#)

History has expired due to inactivity.

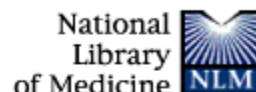
Suggestions: [Breast cancer](#); [Cancer, breast](#); [Brain cancer](#); [Breast cysts](#); [Brain cancers](#); [Breast disease](#); [Pancreas cancer](#); [Breast cyst](#); [Bone cancer](#); [Bladder cancer](#); [more...](#)

Display Summary Show 20 Send to

All: 48

Items 1 - 20 of 48 Page 1 of 3 [Next](#)

- 1: [Breast Neoplasms](#) [Links](#)  
Tumors or cancer of the human BREAST.
- 2: [Breast Neoplasms, Male](#) [Links](#)  
Any neoplasms of the male breast. These occur infrequently in males in developed countries, the incidence being about 1% of that in females.  
Year introduced: 1995
- 3: [DBC2 protein, human \[Substance Name\]](#) [Links](#)  
a member of the RHOBTB family of proteins; involved in cell cycle control, apoptosis, and cytoskeleton and membrane trafficking;  
GenBank AY009093  
Date introduced: March 9, 2005

 "Breast Neoplasms"[MeSH]
  



 Suggestions: [Screening](#); [Screenings](#); [Preening](#); [Preenings](#); [Sunscreens](#); [Scriptide](#); [Scriptene](#); [Scrofulin](#); [Scrofulas](#); [Scriptaid](#); [more...](#)

 Display Summary 

 Show 20 

 Send to 

 All: 17 

Items 1 - 17 of 17

One page.

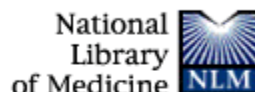
 1: [Mass Screening](#) [Links](#)

Organized periodic procedures performed on large groups of people for the purpose of detecting disease.

Year introduced: 1968

 2: [Diagnosis](#) [Links](#)

The determination of the nature of a disease or condition or the distinguishing of one disease or condition from another. Assessment may be made through physical examination, laboratory tests, or the like, and may be assisted by computerized programs designed to enhance the decision-making process.



My NCBI  
Welcome motevali. [Sign Out](#)

Search MeSH for mammography

"Breast Neoplasms"[MeSH] AND "Mass Screening"[MeSH]

Display Full Show 20 Send to

All: 1

- If making selections (e.g., Subheadings, etc.), use the [Send to Search Box](#) feature to see PubMed records with those specifications.
- Select PubMed under the Links menu to retrieve all records for the MeSH Term.
- Select [NLM MeSH Browser](#) under the Links menu for additional information.

**1: Mass Screening**

Organized periodic procedures performed on large groups of people for the purpose of detecting disease.  
Year introduced: 1968

Subheadings: This list includes those paired at least once with this heading in MEDLINE and may not reflect current rules for allowable combinations.

adverse effects  classification  contraindications  diagnosis  economics  ethics  history  instrumentation

Entrez  
Version  
PubMed  
PubMed Services  
PubMed Journals Database  
PubMed MeSH Database  
PubMed Single Citation Matcher  
PubMed Batch Citation Matcher  
PubMed Special Queries  
PubMed Special Queries  
PubMed Sign Out  
PubMed NCBI (Cubby)  
PubMed Related Resources  
PubMed User Documents

Links



Diphosphonates - MeSH - NCBI - Windows Internet Explorer

http://www.ncbi.nlm.nih.gov/mesh/68004164

File Edit View Favorites Tools Help

Search

NCBI Resources How To

MeSH

Search

Limits Advanced Help

Display Settings: Full

**Diphosphonates**

Organic compounds which contain P-C-P bonds, where P stands for phosphonates or phosphonic acids. These compounds affect calcium metabolism. They inhibit ectopic calcification and slow down bone resorption and bone turnover. Technetium complexes of diphosphonates have been used successfully as bone scanning agents.

Year introduced: 1977

PubMed search builder options

Subheadings:

<input type="checkbox"/> administration and dosage	<input type="checkbox"/> contraindications	<input type="checkbox"/> pharmacology
<input type="checkbox"/> adverse effects	<input type="checkbox"/> diagnostic use	<input type="checkbox"/> physiology
<input type="checkbox"/> analysis	<input type="checkbox"/> economics	<input type="checkbox"/> poisoning
<input type="checkbox"/> antagonists and inhibitors	<input type="checkbox"/> history	<input type="checkbox"/> radiation effects
<input type="checkbox"/> biophysics	<input type="checkbox"/> immunology	<input type="checkbox"/> standards
<input type="checkbox"/> chemical synthesis	<input type="checkbox"/> isolation and purification	<input type="checkbox"/> therapeutic use
<input type="checkbox"/> chemistry	<input type="checkbox"/> metabolism	<input type="checkbox"/> toxicity
<input type="checkbox"/> classification	<input type="checkbox"/> pharmacokinetics	<input type="checkbox"/> urine

Restrict to MeSH Major Topic.

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

Tree Number(s): D02.705.429.500

Entry terms:

- Bisphosphonates

Send to: PubMed search builder

"Diphosphonates" [Mesh]

Add to search builder AND

Search PubMed

Related information

PubMed

PubMed - Major Topic

Clinical Queries

NLM MeSH Browser

MedGen

PubChem Compound

PubChem Substance

Recent activity

zoledronic acid [Supplementary Concept] MeSH

zometa (1)

**Diphosphonates**

"Diphosphonates" [Mesh]

Click to add to search builder



Subheadings describe specific aspects of the subject. Click if appropriate.

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

Tick out the appropriate box to broaden or narrow the search for your interest



**My NCBI**  
Welcome motevali. [Sign Out](#)

Search PubMed for "Breast Neoplasms"[MeSH] AND "Mass Screening"   [Save Search](#)

Display Summary Show 20 Sort by Send to

All: 3711 Free full text: 296 Review: 430

- 1: [Shen Y, Yang Y, Inoue LY, Munsell MF, Miller AB, Berry DA.](#) [Related Articles, Links](#)  
Role of detection method in predicting breast cancer survival: analysis of randomized screening trials.  
J Natl Cancer Inst. 2005 Aug 17;97(16):1195-203.  
PMID: 16106024 [PubMed - indexed for MEDLINE]
- 2: [Krzyzanowska MK, Tannock IF.](#) [Related Articles, Links](#)  
Should screen-detected breast cancers be managed differently?  
J Natl Cancer Inst. 2005 Aug 17;97(16):1170-1. No abstract available.  
PMID: 16106016 [PubMed - indexed for MEDLINE]
- 3: [Njor SH, Olsen AH, Schwartz W, Lynge E.](#) [Related Articles, Links](#)  
Tumour size distribution in mammography screening.  
Breast. 2005 Aug;14(4):329-32.  
PMID: 16085241 [PubMed - indexed for MEDLINE]
- 4: [Kopans DB.](#) [Related Articles, Links](#)  
Informed decision making: age of 50 is arbitrary and has no demonstrated influence on breast cancer screening in women.  
AJR Am J Roentgenol. 2005 Jul;185(1):177-82

Entrez  
Version  
PubMed  
PubMed Services  
Journals Database  
PubMed Database  
Citation  
Citation Matcher  
Citation Queries  
Citation Queries  
Citation  
NCBI (Cubby)  
Related Resources  
Documents