

# Pubmed数据库检索与利用

辛继宾

yike@shmu.edu.cn

参考咨询部

复旦大学医科图书馆



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# Pubmed简介

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# 1. 简介

- Pubmed是美国国立医学图书馆(NLM)所属的国家生物技术信息中心(NCBI)于2000年4月开发的基于WEB的**免费的MEDLINE**检索系统。  
MEDLINE是美国国立医学图书馆生产的国际性综合生物医学信息书目数据库，是当前国际上最权威的生物医学文献数据库。
- Pubmed提供与综合分子生物学数据库的连接。
  - 内容包括：DNA与蛋白质序列，基因图谱数据，3D蛋白构象等
- PubMed 免费提供题目和文摘，部分文章提供指向全文提供者的链接。
- <http://www.pubmed.gov>
- <http://www.ncbi.nlm.nih.gov/pubmed/>



# 1.1 特点

- 能获取到当月当日甚至还未正式出版的最新文献；以及1966年以前的文献。
- 具有强大的词语自动匹配转换功能，能对意义相同或相近的词或词组进行全面搜索，并自动转换后再检索。
- 把相关的期刊文献、数据、事实、图书连接在一起，形成相互贯通的信息链，方便进行追溯性检索。
- 能在线获取部分免费电子版全文。



# 1.2 数据来源

## 1. MEDLINE (1966~至今)

- 收录了全世界70多个国家和地区1940年以来的9000余种生物医学期刊（其中约1600种免费期刊），英文刊物约占90%；75%的文献有英文摘要，每天更新。
- 内容涉及：医学、药学、牙医学、护理学、卫生保健、兽医学等专业。
- 记录标注[PubMed - indexed for MEDLINE]

## 2. PreMEDLINE

- 是一个临时性医学文献数据库。它每天都在不断地接受新数据，可为用户提供基本的文献条目和文摘，其文献条目在标引和加工后每天向MEDLINE移动一次。
- MeSH terms; publication types; Genbank accession numbers, other indexing...

## 3. Publisher supplied citations

- 出版商直接向PubMed递送的电子文献。
- 每天都在不停地向PreMEDLINE数据库中传送，但其中有些条目由于超出了MEDLARS数据库的收录范围，将永远不会被PreMEDLINE或MEDLINE条目所取代，例如在综合性的科学杂志（Science或Nature）上发表的地理学文章等。
- 记录标注[Epub ahead of print]

## 4. OldMedline(1951~1965)

- 未标引的数据



PubMed.gov

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- FTP
- Batch Citation Matcher



**Explore**

- MeSH Database
- Journals



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# 2.1 检索技巧和格式

Format: Abstract ▾

Send to

Ultrasonography. 2019 Jan 4. doi: 10.14366/usg.18053. [Epub ahead of print]

出处

题目

**Future of breast elastography.**

作者

Barr RG<sup>1,2</sup>.

⊕ Author information

## Abstract

摘要

Both strain elastography and shear wave elastography have been shown to have high sensitivity and specificity for characterizing breast lesions as benign or malignant. Training is important for both strain and shear wave elastography. The unique feature of benign lesions measuring smaller on elastography than B-mode imaging and malignant lesions appearing larger on elastography is an important feature for characterization of breast masses. There are several artifacts which can contain diagnostic information or alert to technique problems. Both strain and shear wave elastography continue to have improvements and new techniques will soon be available for clinical use that may provide additional diagnostic information. This paper reviews the present state of breast elastography and discusses future techniques that are not yet in clinical practice.

**KEYWORDS:** Breast; Breast neoplasms; Elasticity imaging techniques; Shear wave; Strain; Strain ratio

关键词

PMID: 30884636 DOI: [10.14366/usg.18053](https://doi.org/10.14366/usg.18053)

Free full text



## 2.1 字段标识符（共52个）

Affiliation [AD]	Grant Number [GR]	Pharmacological Action [PA]
Article Identifier [AID]	Investigator [IR]	Place of Publication [PL]
All Fields [ALL]	ISBN [ISBN]	PMID [PMID]
Author [AU]	Issue [IP]	Publisher [PUBN]
Author Identifier [AUID]	Journal [TA]	Publication Date [DP]
Book [book]	Language [LA]	Publication Type [PT]
Comment Corrections	Last Author [LASTAU]	Secondary Source ID [SI]
Corporate Author [CN]	Location ID [LID]	Subset [SB]
Create Date [CRDT]	MeSH Date [MHDA]	Supplementary Concept [NM]
Completion Date [DCOM]	MeSH Major Topic [MAJR]	Text Words [TW]
Conflict of Interest [COIS]	MeSH Subheadings [SH]	Title [TI]
EC/RN Number [RN]	MeSH Terms [MH]	Title/Abstract [TIAB]
Editor [ED]	Modification Date [LR]	Transliterated Title [TT]
Entrez Date [EDAT]	NLM Unique ID [JID]	UID [PMID]
Filter [FILTER]	Other Term [OT]	Version
First Author Name [1AU]	Owner	Volume [VI]
Full Author Name [FAU]	Pagination [PG]	
Full Investigator Name [FIR]	Personal Name as Subject [PS]	



## 2.2 截词检索

无限截词符：\*

- 在词的末尾加\*号，PubMed就会检索出以该词为词根的所有词，但不包括\*号后有一个空格的词组
  - infect\*包括infections, infectious, infective, infectivity, infector等，但不包括infection control。
- 截词检索将关闭自动词语匹配功能，也不能进行扩展检索。
  - 如：heart attack\*（心脏病发作）不会匹配MeSH词，也不会扩展检索myocardial infarction（心肌梗死）、myocardial stunning（心肌顿抑，缺血后心肌功能障碍）、shock、cardiogenic等这些方面的文献。



Search: **heart attack** Sort by: **Most Recent** 276,137 01:10:33

"myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("heart"[All Fields] AND "attack"[All Fields]) OR "heart attack"[All Fields]

### Translations

**heart attack:** "myocardial infarction"[MeSH Terms] OR ("myocardial"[All Fields] AND "infarction"[All Fields]) OR "myocardial infarction"[All Fields] OR ("heart"[All Fields] AND "attack"[All Fields]) OR "heart attack"[All Fields]

Search: **heart attack\*** Sort by: **Most Recent** 16,982 01:10:12

("heart"[MeSH Terms] OR "heart"[All Fields] OR "hearts"[All Fields] OR "heart s"[All Fields]) AND "attack\*"[All Fields]

### Translations

**heart:** "heart"[MeSH Terms] OR "heart"[All Fields] OR "hearts"[All Fields] OR "heart's"[All Fields]



# 关键词

- 从篇名、文摘、全文中直接抽取的表达文献主题内容的词语。
- 特点：未经规范处理的自然检索语言，能及时反映新观点，新方法，新发现及新术语。
- 缺点：用词不统一，易漏检



# 主题词

- 对同一概念的同义词、近义词进行“规范”化，保证词语和概念的一一对应。
- 特点：规范化、统一化
- 优点：提高查全率和查准率，便于调整检索范围，能限定文献的主题概念。可以集中语言表达不同但概念相同的文献，一般情况下，命中的文献比关键词更准确全面。



tumor  
cancer  
carcinoma

} Neoplasms  
肿瘤 (主题词)

癌 (非主题词)



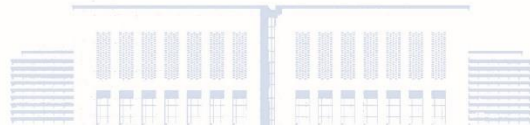
## 2.3 医学主题词表

- 目前最权威最常用的标准医学主题词表，动态变化。23887个词和词组(2019年)。
- 通过注释、参照系统与树形编码，表达MeSH词的历史变迁、主题词的族性类别、属分关系、揭示主题词之间语义关系
- 对医学文献中的自然语言进行规范，使概念与主题词单一对应。
- 保证文献的标引者和检索者之间在用词上的一致。
- 可进行主题词、副主题词组配，提高主题标引或检索的专指度
- 可以对主题词进行扩检和缩检
- <https://www.nlm.nih.gov/mesh/>





# Mesh表的结构



MeSh

字 顺 表 (Alphabetic List)

树 状 结 构 表 (Tree Structure)

副 主 题 词 表 (Subheadings)

主 题 词 变 更 表



单个词: Liver、Heart、Abdomen、

复合词: { 顺置式 Stomach Neoplasms  
倒置式 Hepatitis, Alcoholic

(肝炎, 乙醇性)

Leukemia, Lymphocytic, Chronic

(白血病, 淋巴细胞, 慢性)

SHOCK	休克
SHOCK, CARDIOGENIC	休克, 心源性
SHOCK, HEMORRHAGIC	休克, 出血性
SHOCK, SEPTIC	休克, 败血症性
SHOCK, TRAUMATIC	休克, 创伤性

主题词倒置的优点：突出核心词

方便选词

族性检索



# Medical Subject Headings 2021

The files are updated each week day Monday-Friday by 8AM EST

Search MeSH... FullWord ▾ **Exact Match** All Fragments Any Fragment

All Terms Sort by: Relevance ▾

Main Heading (Descriptor) Terms Results per Page: 20 ▾

Qualifier Terms

Supplementary Concept Record Terms

MeSH Unique ID

Search in all Supplementary Concept Record Fields

Heading Mapped To

Indexing Information

Pharmacological Action

Search Related Registry and CAS Registry/EC Number/UNII Code/NCBI Taxonomy ID Number (RN)

Related Registry Search

CAS Registry/EC Number/UNII Code/NCBI Taxonomy ID Number (RN)

Search in all Free Text Fields

Annotation

ScopeNote

SCR Note



# 树状结构表

又叫范畴表 (Categories and Subcategories)

树形结构表体现主题词概念间的关系，该表将2万多个主题词按其学科性质、词义范围、上下类属、派生关系，划分为16个大类；每个大类按再划分为若干二级类目、三级类目、……最多可达九级类目。主题词用逐级缩格的排列方法来表达它们之间的逻辑隶属关系，同级类目下的主题词按字顺编排。

- 作用：提供我们从学科分枝的角度选择主题词，满足族性检索的要求。



Anatomy [A] +

Organisms [B] +

Diseases [C] +

Chemicals and Drugs [D] +

Analytical, Diagnostic and Therapeutic Techniques, and Equipment [E] +

Psychiatry and Psychology [F] +

Phenomena and Processes [G] +

Disciplines and Occupations [H] +

Anthropology, Education, Sociology, and Social Phenomena [I] +

Technology, Industry, and Agriculture [J] +

Humanities [K] +

Information Science [L] +

Named Groups [M] +

Health Care [N] +

Publication Characteristics [V] +

Geographicals [Z] +



Diseases [C] -

Bacterial Infections and Mycoses [C01] +

Virus Diseases [C02] -

Arbovirus Infections [C02.081] +

Bronchiolitis, Viral [C02.109]

Central Nervous System Viral Diseases [C02.182] +

Coinfection [C02.219]

DNA Virus Infections [C02.256] -

Adenoviridae Infections [C02.256.076] +

African Swine Fever [C02.256.142]

Circoviridae Infections [C02.256.200] +

Hepadnaviridae Infections [C02.256.430] -

Hepatitis B [C02.256.430.400] -

Hepatitis B, Chronic [C02.256.430.400.100]

Herpesviridae Infections [C02.256.466] +

Papillomavirus Infections [C02.256.650] +

Parvoviridae Infections [C02.256.700] +

Polyomavirus Infections [C02.256.721] +

Poxviridae Infections [C02.256.743] +

Encephalitis, Viral [C02.290] +

Eve Infections, Viral [C02.3251] +



# Hepatitis B, Chronic MeSH Descriptor Data 2019

Details

Qualifiers

MeSH Tree Structures

Concepts

<b>MeSH Heading</b>	Hepatitis B, Chronic
<b>Tree Number(s)</b>	C02.256.430.400.100 C02.440.435.100 C06.552.380.350.100 C06.552.380.705.437.100
<b>Unique ID</b>	D019694
<b>Scope Note</b>	INFLAMMATION of the LIVER in humans caused by HEPATITIS B VIRUS lasting six months or longer, such as transfusion of contaminated blood or blood products, but can also be transmitted by sexual contact.
<b>Entry Term(s)</b>	Chronic Hepatitis B Chronic Hepatitis B Virus Infection Hepatitis B Virus Infection, Chronic
<b>NLM Classification #</b>	WC 536
<b>Previous Indexing</b>	Chronic Disease (1973-1997) Hepatitis B (1973-1997) Hepatitis, Chronic (1983-1997)
<b>Public MeSH Note</b>	98
<b>History Note</b>	98
<b>Date Established</b>	1998/01/01
<b>Date of Entry</b>	1997/06/20
<b>Revision Date</b>	2017/02/24





**Allowable Qualifiers**

blood (BL)  
cerebrospinal fluid (CF)  
classification (CL)  
complications (CO)  
congenital (CN)  
diagnosis (DI)  
diagnostic imaging (DG)  
diet therapy (DH)  
drug therapy (DT)  
economics (EC)  
embryology (EM)  
enzymology (EN)  
epidemiology (EP)  
ethnology (EH)  
etiology (ET)  
genetics (GE)  
history (HI)  
immunology (IM)  
metabolism (ME)  
microbiology (MI)  
mortality (MO)  
nursing (NU)  
parasitology (PS)  
pathology (PA)  
physiopathology (PP)  
prevention & control (PC)  
psychology (PX)  
radiotherapy (RT)  
rehabilitation (RH)  
surgery (SU)  
therapy (TH)  
transmission (TM)  
urine (UR)  
veterinary (VE)  
virology (VI)



## Virus Diseases [C02]

Hepatitis, Viral, Human [C02.440]

Hepatitis B [C02.440.435]

**Hepatitis B, Chronic [C02.440.435.100]**

## Digestive System Diseases [C06]

Liver Diseases [C06.552]

Hepatitis [C06.552.380]

Hepatitis, Viral, Human [C06.552.380.705]

Hepatitis B [C06.552.380.705.437]

**Hepatitis B, Chronic [C06.552.380.705.437.100]**

## Virus Diseases [C02]

DNA Virus Infections [C02.256]

Hepadnaviridae Infections [C02.256.430]

Hepatitis B [C02.256.430.400]

**Hepatitis B, Chronic [C02.256.430.400.100]**

## Digestive System Diseases [C06]

Liver Diseases [C06.552]

Hepatitis [C06.552.380]

Hepatitis, Chronic [C06.552.380.350]

**Hepatitis B, Chronic [C06.552.380.350.100]**

Hepatitis C, Chronic [C06.552.380.350.120]

Hepatitis D, Chronic [C06.552.380.350.220]

Hepatitis, Autoimmune [C06.552.380.350.300]



# 副主题词 (Subheadings/Qualifiers)

- 直接加在主题词之后，与主题词组配使用，对主题词起修饰和限定的作用，使主题词具有更高的专指性的一类词。
- 副主题词是限定主题概念的规范化词汇，对主题词起细分作用或揭示多个主题词之间的关系
- 副主题词没有独立的检索意义，其作用是增加主题概念的专指性，提高检索效率。
- 副主题词现有76个。



# 主题词与副主题词的组配规则

- 主题词与副主题词的组配有严格的规定，不是所有的副主题词均能与每个主题词进行组配。计算机数据库中在每个主题词下都列出了当前主题词可以组配的所有副主题词。

- 有专指副主题词，勿用泛指副主题组配。如：药物治疗、饮食治疗

- 若能用主题词与副主题组配，尽量不要用与副主题词等义的主题词。

如：肝炎/药物治疗

不能：肝炎 AND 药物治疗

- 在检索中，主题词/副主题词两者间须有必然的逻辑关系，善于分析两者之间的关系：因果关系、应用关系等

- 眼结核引起失明，用结核，眼/并发症；盲/病因学

- 牛奶引起动脉硬化，用牛奶/副作用，动脉硬化/病因学

- 阿司匹林治疗感冒，用阿司匹林 /治疗应用；感冒/药物疗法



## 2.4 检索规则-词汇自动转换

### 1. MeSH Translation table

- 医学主题词
- 副主题词
- 出版类型
- 款目词
- 统一医学语言系统
- 增补概念词和同义词

作用：将不规范的词语转换成规范的用词，对主题词进行自动扩展检索，使检索结果更准确，全面。



## 2. Journals Translation table

包括刊名全称、缩写和ISSN号。该转换表能把键入的刊名全称转换为“MEDLINE的标准缩写+[Journal Name]”后进行检索。

- New England journal of medicine 转换为 “N Engl J Med”[Journal]
- Clin Lung Cancer. 2010 Jan;11(1):51-6转换为： "Clin Lung Cancer"[Journal] AND 2010[PDAT] AND 11[VOL] AND 1[ISS] AND 51-6[PAGE]



### 3. Full Author Translation table

2002年以来发表的带有作者全名的文献  
作者姓名可以采用正常的或倒置的  
(Julia s wong/wong Julia s/wong, Julia s)

### 4. Full Investigator Translation table

#### 5. Author index

姓在前，名在后，首字母缩写 o'bren jm adams sh  
1966-1984 不限制 1984-1995: 前10个作者  
1996-2000:25个作者 2000- : 不限制  
1990前: 小语种/日语所有作者名字转成Roman alphabet  
1990-2016 转换10个作者 2016年后 不再转换。  
中文的有摘要，不转换

### 6. Investigator index



如果仍然找不到匹配词，就会把该词组断开后再重复上述自动词汇转换过程，找到与键入的词语相匹配词语为止。若仍然没有匹配词，单个词会被联一起（用AND）在全部字段中检索。

例如：输入liver cancer

- a) 首先，将“liver cancer”作为一个短语在以上几个表里查找：
- b) 然后，将“liver cancer”分成“liver”和“cancer”两个词，再次在上述表中查找；
- c) 最后，将“liver”和“cancer”及匹配的主题词，在所有字段查找。





- liver cancer转换为: "liver neoplasms"[MeSH Terms] OR ("liver"[All Fields] AND "neoplasms"[All Fields]) OR "liver neoplasms"[All Fields] OR ("liver"[All Fields] AND "cancer"[All Fields]) OR "liver cancer"[All Fields]
- Vitamin c 转换为: "ascorbic acid"[MeSH Terms] OR ("ascorbic"[All Fields] AND "acid"[All Fields]) OR "ascorbic acid"[All Fields] OR "vitamin c"[All Fields]
- *单个的数字和字母不进行拆分*

想要查验检索词的转换情况，并进行调整检索策略，可参考网页右边的“search details”部分



#2



Search: **Vitamin c[MeSH Terms]** Sort by: **Publication Date**  
"ascorbic acid"[MeSH Terms]

42,153

### Translations

**Vitamin c[MeSH Terms]:** "ascorbic acid"[MeSH Terms]

#1



Search: **Vitamin c** Sort by: **Publication Date**

65,191

("ascorbic acid"[MeSH Terms] OR ("ascorbic"[All Fields] AND "acid"[All Fields])) OR "ascorbic acid"[All Fields] OR "vitamin c"[All Fields]

### Translations

**Vitamin c:** "ascorbic acid"[MeSH Terms] OR ("ascorbic"[All Fields] AND "acid"[All Fields]) OR "ascorbic acid"[All Fields] OR "vitamin c"[All Fields]



## 2.5 检索规则-短语检索

如果在短语上加**半角双引号**后，系统将直接  
在所有字段中进行查找，不再进行自动转换。

“single cell”

“oxygen free radicals”



## 2.6、检索规则-布尔逻辑运算

- 逻辑词符（AND、OR、NOT）必须**大写**。

lung AND apoptosis; vitamin c OR ascorbic acid; Lead poisoning NOT children

- 运算优先级为: () > NOT > AND > OR。

例如: drug therapy AND (asthma OR hay fever)

- 布尔逻辑检索允许在检索词后面附加字段标识

例如: dna[mh] AND crick[au] AND 1993[dp]

- 查带文摘的文献（1975年以后出版的文章）

检索词 AND hasabstract 例如, Neoplasms AND hasabstract



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其他...



- 基本检索 – Basic Search
- 高级检索 – Advanced Search
- 限定检索 – Limits Search
- 作者检索 – Author Search
- 期刊检索 – Journal Search
- 主题词检索 – MeSH Databases
- 结果输出与外链 – Send to & Linkout



# 3.1 基本检索

- 检索步骤:

- a) 进入pubmed主界面,
- b) 在检索框输入任何有实质性意义的检索词
- c) 点[search]按钮或按回车键, 系统字段匹配进行

- 检索词的输入形式:

输入单词或短语或表达式, 也可用\*及双引号

著者姓名: weng xz OR weng xz [au]

刊名标题: 刊名全称、缩写、ISSN

Journal of leukocyte biology, J leukoc biol, 0741-5400



PubMed.gov

直接输入检索词或检索式

J leukoc biol

Advanced

PubMed® comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and biological abstracts. Citations may include links to full-text content from PubMed Central and publisher web sites.





J leukoc biol

Search

Advanced Create alert Create RSS

User Guide

Save

Email

Send to

Sorted by: Publication date ↓

Display options

MY NCBI FILTERS

8,213 results

RESULTS BY YEAR



1 [Cytokine storm and leukocyte changes in mild versus severe SARS-CoV-2 infection: Review of 3939 COVID-19 patients in China and emerging pathogenesis and therapy concepts.](#)

Wang J, Jiang M, Chen X, Montaner LJ.

**J Leukoc Biol.** 2020 Jun 13. doi: 10.1002/JLB.3COVR0520-272R. Online ahead of print.

PMID: 32534467 Review.

“ Cite Share

TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

2 [Targeting NLRP3 and staphylococcal pore-forming toxin receptors in human-induced pluripotent stem cell-derived macrophages.](#)

Chow SH, Deo P, Yeung ATY, Kostoulas XP, Jeon Y, Gao ML, Seidi A, Olivier FAB, Sridhar S, Nethercott C, Cameron D, Robertson AAB, Robert R, Mackay CR, Traven A, Jin ZB, Hale C, Dougan G, Peleg AY, Naderer T.

**J Leukoc Biol.** 2020 Jun 12. doi: 10.1002/JLB.4MA0420-497R. Online ahead of print.

ARTICLE ATTRIBUTE

## 【例题】检索“尼群地平治疗高血压”方面的文献

- 分析: 自由词检索
- 检索词: nitrendipine;  
hypertension/ high blood pressure  
nitrendipine AND (hypertension OR high blood pressure)
- 检索方法: 1.输入综合检索式  
2.在检索史中进行组配



nitrendipine AND (hypertension OR high blood pressure)



Search

Advanced Create alert Create RSS

User Guide

Save

Email

Send to

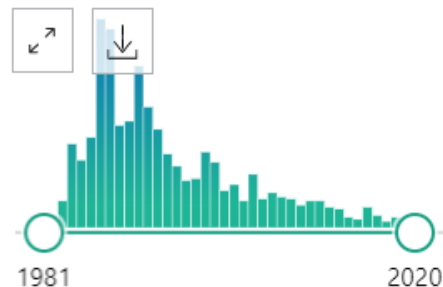
Sorted by: Publication date ↓

Display options

MY NCBI FILTERS

953 results

RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

1 [PAIT-Survey Follow-Up: Changes in Albuminuria in \*\*Hypertensive\*\* Diabetic Patients with Mild-Moderate Chronic Kidney Disease.](#)

Fici F, Ari Bakir E, Ilkay Yüce E, Kanuncu S, Makel W, Tarim BA, Robles NR.

High Blood Press Cardiovasc Prev. 2020 Feb;27(1):43-49. doi: 10.1007/s40292-020-00358-1. Epub 2020 Jan 9.

PMID: 31916208 Clinical Trial.

**Blood pressure** was measured with a validated digital device. RESULTS: At baseline, albuminuria was present in 310 subjects (46.4%) (microalbuminuria in 263 (84.8%), macroalbuminuria in 15.2%), and normoalbuminuria in 53.6% 358. ...**Blood pressure** was si ...

“ Cite Share

2 [Münchhausen Syndrome as an Unusual Cause of Pseudo-resistant \*\*Hypertension\*\*: A Case Report.](#)

Kobusiak-Prokopowicz M, Marciniak A, Tokarczyk B, Kała M, Leszek J, Mysiak A.

Open Med (Wars). 2019 Nov 7;14:792-796. doi: 10.1515/med-2019-0094. eCollection 2019.

PMID: 31737783 Free PMC article.

Individuals with elevated **blood pressure** due to non-adherence to medication have the so-called

## 3.2 高级检索

User Guide

Add terms to the query box

All Fields  hypertension OR high blood pressure


AND

Show Index

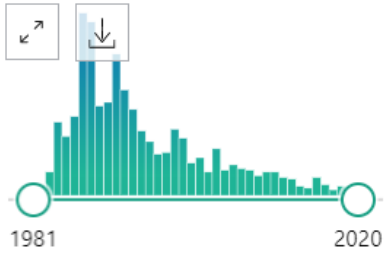
Query box

(nitrendipine)

Search



RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

ARTICLE TYPE

- Books and Documents
- Clinical Trial
- Meta-Analysis
- Randomized Controlled Trial
- Review
- Systematic Reviews

PUBLICATION DATE

- 1 year
- 5 years



ARTICLE TYPE

SPECIES

LANGUAGE

SEX

SUBJECT

JOURNAL

AGE

<input type="checkbox"/> Address	<input type="checkbox"/> Introductory Journal Article
<input type="checkbox"/> Autobiography	<input type="checkbox"/> Journal Article
<input type="checkbox"/> Bibliography	<input type="checkbox"/> Lecture
<input type="checkbox"/> Biography	<input type="checkbox"/> Legal Case
<input type="checkbox"/> Case Reports	<input type="checkbox"/> Legislation
<input type="checkbox"/> Classical Article	<input type="checkbox"/> Letter
<input type="checkbox"/> Clinical Conference	<input type="checkbox"/> Multicenter Study
<input type="checkbox"/> Clinical Study	<input type="checkbox"/> News
<input type="checkbox"/> Clinical Trial Protocol	<input type="checkbox"/> Newspaper Article
<input type="checkbox"/> Clinical Trial, Phase I	<input type="checkbox"/> Observational Study
<input type="checkbox"/> Clinical Trial, Phase II	<input type="checkbox"/> Observational Study, Veterinary
<input type="checkbox"/> Clinical Trial, Phase III	<input type="checkbox"/> Overall
<input type="checkbox"/> Clinical Trial, Phase IV	<input type="checkbox"/> Patient Education Handout



acute low back pain	3718
"acute low back pain"[All Fields]	1057
acute AND low back pain[TI]	1718
acute[TI] AND low back pain[TI]	838
acute low back pain[TI]	595
acute low back pain Field: Title	595

注：字段检索和标识符前的词组必须一致，顺序不能改变，中间也不能有其他词语，一般检索中的词序不限制。

*acute neck or low back pain*

*acute low-back and pelvis pain*

*acute pain in the low back*

*acute and subacute low back and neck*



# 3.4 作者检索

姓氏在先，名字首字母（最多四个字母）在后。

姓氏可以包含连字号、空格或撇号。

例如：      Wilson SE                      O'Grady AP                      Ruiz-Gomez M  
                 De La Rosa JM                      Van der Waals JE

全称，2002年以后的文章。

含有禁用词或多个作者时必须带字段名: by[AU]



## 3.5 期刊检索

在高级检索状态下，在All Fields中选择  
Journal字段，然后输入刊名

输入格式：刊名全称、ISSN、刊名缩写  
(MEDLINE、ISO)、NLM ID





## 注意：

- 当刊名与主题词相同时，刊名后需要附加字段标识符。如：gene therapy[ta]、science[ta]、cell[ta]
- 单个词刊名的期刊刊名后需要附加字段标识符。  
如：Scanning[ta]
- 带括号刊名的期刊，录入时应将括号省略。

J Hand Surg[Am]输入格式为J Hand Surg Am



NLM Catalog

NLM Catalog

7501160[uid]

Search

[Save search](#) [Limits](#) [Advanced](#)[Display Settings:](#)  Full[Send to:](#) **JAMA : the journal of the American Medical Association****Author(s):** American Medical Association.**NLM Title Abbreviation:** JAMA**ISO Abbreviation:** JAMA**Title(s):** JAMA : the journal of the American Medical Association.**Other Title(s):** Journal of the American Medical Association  
Continuing education courses for physicians.  
Continuing education opportunities for physicians for the period ...**Continues:** [Journal of the American Medical Association](#)**Publication Start Year:** 1960**Frequency:** Weekly**Country of Publication:** United States**Publisher:** Chicago : American Medical Association, 1960-**Description:** v. : ill., ports.**Language:** English**ISSN:** 0098-7484 (Print)  
1538-3598 (Electronic)  
0098-7484 (Linking)**Acid-Free:** No**Coden:** JAMAAP**LCCN:** 82643544  
sn 78004483**Electronic Links:** <http://jama.jamanetwork.com/journal.aspx>**Fully Indexed In:** Index medicus v187n13,Mar. 28, 1964-  
MEDLINE v187n13,Mar. 28, 1964-  
Abridged index medicus**Indexed In:** PubMed v187n13,Mar. 28, 1964-  
OLDMEDLINE**Current Indexing Status:** Currently indexed for MEDLINE.**Current Subset:** Core clinical journals (AIM); Index Medicus

期刊编目信息浏览页



# 3.0 主题词体系

MeSH入口

输入检索词，点“search”后会自动转换为相应的MeSH词供选择。

The screenshot displays the MeSH search interface. At the top, there is a search bar with 'MeSH' selected in a dropdown menu and 'cancer' entered in the text field. A blue 'Search' button is to the right. Below the search bar, there are links for 'Save search', 'Limits', and 'Advanced'. The main content area shows search results for 'cancer', with 'Results: 1 to 20 of 319'. The results are listed as follows:

- [Neoplasms](#)  
1. 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
- [Early Detection of Cancer](#)  
2. Methods to identify and characterize **cancer** in the early stages of disease and predict tumor behavior.  
Year introduced: 2009
- [Cancer Care Facilities](#)  
3. Institutions specializing in the care of **cancer** patients.  
Year introduced: 1991(Aug 1977)
- [American Cancer Society](#)  
4. A voluntary organization concerned with the prevention and treatment of **cancer** through education and research.  
Year introduced: 1991(1975)
- [Chemotherapy, Cancer, Regional Perfusion](#)  
5. Neoplasm drug therapy involving an extracorporeal circuit with temporary exclusion of the tumor-bearing area from the general circulation during which high concentrations of the drug are perfused to the isolated part.  
Year introduced: 2006 (1963)
- [National Cancer Institute \(U.S.\)](#)  
6. Component of the NATIONAL INSTITUTES OF HEALTH. Through basic and clinical biomedical research and training, it conducts and supports research with the objective of **cancer** prevention, early stage identification and elimination. This Institute was established in 1937.  
Year introduced: 2008
- [Cancer Vaccines](#)  
7. Vaccines or candidate vaccines designed to prevent or treat **cancer**. Vaccines are produced using the patient's own whole tumor cells as the source of antigens, or using tumor-specific antigens, often recombinantly produced.  
Year introduced: 1997

On the right side of the interface, there are several utility panels: 'PubMed search builder' with an 'Add to search builder' button and a 'Search PubMed' button; 'Find related data'; 'Search details' showing the query '"neoplasms"[MeSH Terms] OR cancer [Text Word]'; and 'Recent activity' listing previous searches like 'cancer (319)', 'nejm AND (ncbijournals[All Fields]) (1)', and 'nejm (67310)'.



# 副主题词选择

组配副主题词

## 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:

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> analysis                   | <input type="checkbox"/> epidemiology                  | <input type="checkbox"/> psychology                    |
| <input type="checkbox"/> anatomy and histology      | <input type="checkbox"/> ethnology                     | <input type="checkbox"/> radiation effects             |
| <input type="checkbox"/> antagonists and inhibitors | <input type="checkbox"/> etiology                      | <input type="checkbox"/> radiography                   |
| <input type="checkbox"/> blood                      | <input type="checkbox"/> genetics                      | <input type="checkbox"/> radionuclide imaging          |
| <input type="checkbox"/> blood supply               | <input type="checkbox"/> growth and development        | <input type="checkbox"/> radiotherapy                  |
| <input type="checkbox"/> cerebrospinal fluid        | <input type="checkbox"/> history                       | <input type="checkbox"/> rehabilitation                |
| <input type="checkbox"/> chemically induced         | <input type="checkbox"/> immunology                    | <input type="checkbox"/> secretion                     |
| <input type="checkbox"/> chemistry                  | <input type="checkbox"/> injuries                      | <input type="checkbox"/> statistics and numerical data |
| <input type="checkbox"/> classification             | <input type="checkbox"/> isolation and purification    | <input type="checkbox"/> supply and distribution       |
| <input type="checkbox"/> complications              | <input type="checkbox"/> legislation and jurisprudence | <input type="checkbox"/> surgery                       |
| <input type="checkbox"/> congenital                 | <input type="checkbox"/> metabolism                    | <input type="checkbox"/> therapeutic use               |
| <input type="checkbox"/> cytology                   | <input type="checkbox"/> microbiology                  | <input type="checkbox"/> therapy                       |
| <input type="checkbox"/> diagnosis                  | <input type="checkbox"/> mortality                     | <input type="checkbox"/> transmission                  |
| <input type="checkbox"/> diet therapy               | <input type="checkbox"/> nursing                       | <input type="checkbox"/> transplantation               |
| <input type="checkbox"/> drug therapy               | <input type="checkbox"/> parasitology                  | <input type="checkbox"/> ultrasonography               |
| <input type="checkbox"/> economics                  | <input type="checkbox"/> pathology                     | <input type="checkbox"/> ultrastructure                |
| <input type="checkbox"/> education                  | <input type="checkbox"/> physiology                    | <input type="checkbox"/> urine                         |
| <input type="checkbox"/> embryology                 | <input type="checkbox"/> physiopathology               | <input type="checkbox"/> veterinary                    |
| <input type="checkbox"/> enzymology                 | <input type="checkbox"/> prevention and control        | <input type="checkbox"/> virology                      |

可组配一项或多项

Restrict to MeSH Major Topic.

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

Entry Terms:

- Neoplasm
- Tumors
- Tumor
- Cancer
- Cancers
- Benign Neoplasms
- Neoplasms, Benign
- Benign Neoplasm
- Neoplasm, Benign

仅作为主要主题词

不对下位主题词进行扩展检索



## 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:

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> abnormalities              | <input type="checkbox"/> education                     | <input type="checkbox"/> pathology                     |
| <input type="checkbox"/> administration and dosage  | <input type="checkbox"/> embryology                    | <input type="checkbox"/> pharmacology                  |
| <input type="checkbox"/> analysis                   | <input type="checkbox"/> enzymology                    | <input type="checkbox"/> physiology                    |
| <input type="checkbox"/> anatomy and histology      | <input type="checkbox"/> epidemiology                  | <input type="checkbox"/> physiopathology               |
| <input type="checkbox"/> antagonists and inhibitors | <input type="checkbox"/> ethnology                     | <input type="checkbox"/> prevention and control        |
| <input type="checkbox"/> biosynthesis               | <input type="checkbox"/> etiology                      | <input type="checkbox"/> psychology                    |
| <input type="checkbox"/> blood                      | <input type="checkbox"/> genetics                      | <input type="checkbox"/> radiation effects             |
| <input type="checkbox"/> blood supply               | <input type="checkbox"/> growth and development        | <input type="checkbox"/> radiotherapy                  |
| <input type="checkbox"/> cerebrospinal fluid        | <input type="checkbox"/> history                       | <input type="checkbox"/> rehabilitation                |
| <input type="checkbox"/> chemical synthesis         | <input type="checkbox"/> immunology                    | <input type="checkbox"/> secondary                     |
| <input type="checkbox"/> chemically induced         | <input type="checkbox"/> injuries                      | <input type="checkbox"/> statistics and numerical data |
| <input type="checkbox"/> chemistry                  | <input type="checkbox"/> innervation                   | <input type="checkbox"/> supply and distribution       |
| <input type="checkbox"/> classification             | <input type="checkbox"/> isolation and purification    | <input checked="" type="checkbox"/> surgery            |
| <input type="checkbox"/> complications              | <input type="checkbox"/> legislation and jurisprudence | <input type="checkbox"/> therapeutic use               |
| <input type="checkbox"/> congenital                 | <input type="checkbox"/> metabolism                    | <input type="checkbox"/> therapy                       |
| <input type="checkbox"/> cytology                   | <input type="checkbox"/> microbiology                  | <input type="checkbox"/> transmission                  |
| <input type="checkbox"/> diagnosis                  | <input type="checkbox"/> mortality                     | <input type="checkbox"/> transplantation               |
| <input type="checkbox"/> diagnostic imaging         | <input type="checkbox"/> nursing                       | <input type="checkbox"/> ultrastructure                |

"Neoplasms/surgery" [Majr:NoExp]

Add to search builder

AND ▼

Search PubMed

YouTube

### Related information

[PubMed](#)

[PubMed - Major Topic](#)

[Clinical Queries](#)

[NLM MeSH Browser](#)


[dbGaP Links](#)

[MedGen](#)

### Recent Activity

Turr

 [Neoplasms](#)

 [cancer \(393\)](#)



"Neoplasms/surgery"[Majr:NoExp]



Search

Advanced Create alert Create RSS

User Guide

Save

Email

Send to

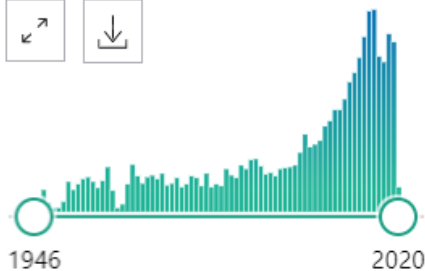
Sorted by: Best match

Display options

MY NCBI FILTERS

3,984 results

RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text

**Surgery for Cancer: A Trigger for Metastases.**

1 Tohme S, Simmons RL, Tsung A.

Cancer Res. 2017 Apr 1;77(7):1548-1552. doi: 10.1158/0008-5472.CAN-16-1536. Epub 2017 Mar 22.

PMID: 28330928 [Free PMC article.](#) [Review.](#)

“ Cite [Share](#)

**The evolution of cancer surgery and future perspectives.**

2 Wyld L, Audisio RA, Poston GJ.

Nat Rev Clin Oncol. 2015 Feb;12(2):115-24. doi: 10.1038/nrclinonc.2014.191. Epub 2014 Nov 11.

PMID: 25384943 [Review.](#)

“ Cite [Share](#)



# 【例题】检索**SARS**药物治疗（包括中药和西药）方面的文献

- 分析：

主题词： severe acute respiratory syndrome

副主题词： drug therapy

severe acute respiratory syndrome/drug therapy[Mesh]



## Search results

Items: 9

[Severe Acute Respiratory Syndrome](#)

1. A viral disorder characterized by high FEVER, dry COUGH, shortness of breath (DYSPNEA) or breathing difficulties, and atypical PNEUMONIA. A virus in the genus CORONAVIRUS is the suspected agent.  
Year introduced: 2003

[SARS Virus](#)

2. A species of CORONAVIRUS causing atypical respiratory disease (**SEVERE ACUTE RESPIRATORY SYNDROME**) in humans. The organism is believed to have first emerged in Guangdong Province, China, in 2002. The natural host is the Chinese horseshoe bat, RHINOLOPHUS sinicus.  
Year introduced: 2003

[S protein, severe acute respiratory syndrome coronavirus \[Supplementary Concept\]](#)

3. Date introduced: October 24, 2013

[protein C, SARS virus \[Supplementary Concept\]](#)

4. a truncated antigenic fragment named protein C (441 to 700 amino acids) as the immunodominant fragment of Spike (S) protein  
Date introduced: April 4, 2005



## Severe Acute Respiratory Syndrome

A viral disorder characterized by high FEVER, dry COUGH, shortness of breath (DYS/PNEA) or breathing difficulties, and atypical PNEUMONIA. A virus in the genus CORONAVIRUS is the suspected agent.

Year introduced: 2003

PubMed search builder options

[Subheadings:](#)

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> analysis                | <input type="checkbox"/> epidemiology                    | <input type="checkbox"/> physiopathology               |
| <input type="checkbox"/> anatomy and histology   | <input type="checkbox"/> ethnology                       | <input type="checkbox"/> prevention and control        |
| <input type="checkbox"/> blood                   | <input type="checkbox"/> etiology                        | <input type="checkbox"/> psychology                    |
| <input type="checkbox"/> cerebrospinal fluid     | <input type="checkbox"/> genetics                        | <input type="checkbox"/> radiotherapy                  |
| <input type="checkbox"/> chemically induced      | <input type="checkbox"/> history                         | <input type="checkbox"/> rehabilitation                |
| <input type="checkbox"/> classification          | <input type="checkbox"/> immunology                      | <input type="checkbox"/> statistics and numerical data |
| <input type="checkbox"/> complications           | <input type="checkbox"/> metabolism                      | <input type="checkbox"/> surgery                       |
| <input type="checkbox"/> diagnosis               | <input type="checkbox"/> microbiology                    | <input type="checkbox"/> therapy                       |
| <input type="checkbox"/> diagnostic imaging      | <input type="checkbox"/> mortality                       | <input type="checkbox"/> transmission                  |
| <input checked="" type="checkbox"/> drug therapy | <input type="checkbox"/> nursing                         | <input type="checkbox"/> urine                         |
| <input type="checkbox"/> economics               | <input type="checkbox"/> organization and administration | <input type="checkbox"/> veterinary                    |
| <input type="checkbox"/> embryology              | <input type="checkbox"/> pathology                       | <input type="checkbox"/> virology                      |
| <input type="checkbox"/> enzymology              | <input type="checkbox"/> physiology                      |  |

Restrict to MeSH Major Topic.

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

Tree Number(s): C02.782.600.550.200.750, C08.730.730

MeSH Unique ID: D045169

Entry Terms:

- Respiratory Syndrome, Severe Acute

"Severe Acute Respiratory Syndrome"  
[Mesh]

Add to search builder AND ▾

Search PubMed

You Tube Tutor

### Related information

[PubMed](#)

[PubMed - Major Topic](#)


[Clinical Queries](#)


[NLM MeSH Browser](#)


[MedGen](#)

### Recent Activity

[Turn Off](#) [Clear](#)

 Severe Acute Respiratory Syndrome  
Me

 severe acute respiratory syndrome (9)  
Me

 nitrendipine AND (hypertension OR high blood pressure) (907)  
PubMed



Format: Summary ▾ Sort by: Most Recent ▾ Per page: 20 ▾

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

## Search results

Items: 1 to 20 of 4400

<< First < Prev Page  of 220 Next > Last >>

- 
- [Changing epidemiological patterns of HIV and AIDS in China in the post-SARS era identified by the nationwide surveillance system.](#)
    1. [nationwide surveillance system.](#)

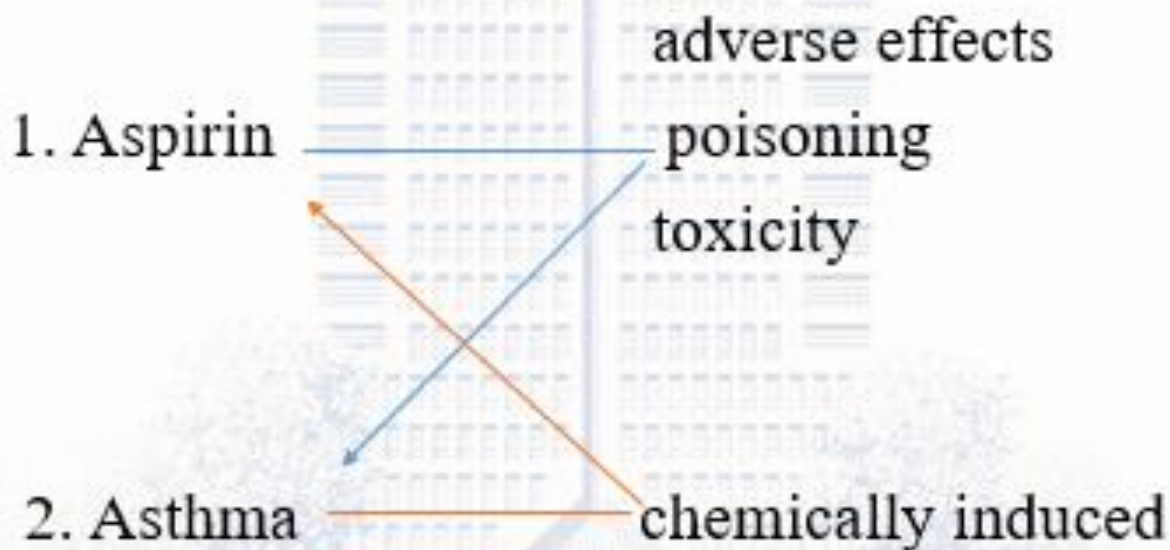
Liu Z, Shi O, Yan Q, Fang Q, Zuo J, Chen Y, Chen X, Zhang T.  
BMC Infect Dis. 2018 Dec 27;18(1):700. doi: 10.1186/s12879-018-3551-5.  
PMID: 30587142 [Free PMC Article](#)  
[Similar articles](#)
  
  - [The role of the hotel industry in the response to emerging epidemics: a case study of SARS in 2003 and H1N1 swine flu in 2009 in Hong Kong.](#)
    2. [and H1N1 swine flu in 2009 in Hong Kong.](#)

Hung KKC, Mark CKM, Yeung MPS, Chan EYY, Graham CA.  
Global Health. 2018 Nov 27;14(1):117. doi: 10.1186/s12992-018-0438-6.  
PMID: 30482214 [Free PMC Article](#)  
[Similar articles](#)
  
  - [The influenza season 2016/17 in Bucharest, Romania - surveillance data and clinical characteristics of patients with influenza-like illness admitted to a tertiary infectious diseases hospital.](#)
    3. [of patients with influenza-like illness admitted to a tertiary infectious diseases hospital.](#)

Drăgănescu A, Săndulescu O, Florea D, Vlaicu O, Streinu-Cercel A, Oțelea D, Aramă V, Luminos ML, Streinu-Cercel A, Nițescu M, Ivanciuc A, Bacruban R, Pițigoi D.  
Braz J Infect Dis. 2018 Sep - Oct;22(5):377-386. doi: 10.1016/j.bjid.2018.10.275. Epub 2018 Oct 31.  
PMID: 30391275 [Free Article](#)  
[Similar articles](#)

# 【例题】检索阿司匹林诱发哮喘的文献

- 分析：有几个主题词？主题词之间的关系



Format: Summary ▾ Sort by: Most Recent ▾ Per page: 20 ▾

Send to ▾ Filters: [|](#)

## Search results

Items: 1 to 20 of 9933

&lt;&lt; First &lt; Prev Page 1 of 497 Next &gt; Last &gt;&gt;

- [Cerebral microbleeds in patients with ischemic cerebrovascular disease taking aspirin or clopidogrel.](#)
  1. Ge L, Ouyang X, Ban C, Yu H, Wu Q, Wu H, Liang J. *Medicine (Baltimore)*. 2019 Mar;98(9):e14685. doi: 10.1097/MD.00000000000014685. PMID: 30817601 **Free Article**  
[Similar articles](#)
  
- [\[Physiopathology and management of acetylsalicylic acid intoxication\].](#)
  2. Sepúlveda RA, Ortega M, Donoso N, Jara A. *Rev Med Chil*. 2018 Nov;146(11):1309-1316. doi: 10.4067/S0034-98872018001101309. Review. Spanish. No abstract available. PMID: 30725045 **Free Article**  
[Similar articles](#)
  
- [\[Aspirin and preeclampsia\].](#)
  3. Atallah A, Lecarpentier E, Goffinet F, Gaucherand P, Doret-Dion M, Tsatsaris V. *Presse Med*. 2019 Jan;48(1 Pt 1):34-45. doi: 10.1016/j.lpm.2018.11.022. Epub 2019 Jan 18. Review. French. PMID: 30665790  
[Similar articles](#)



Format: Summary ▾ Sort by: Most Recent ▾ Per page: 20 ▾

Send to ▾ Filters:

## Search results

Items: 1 to 20 of 4530

&lt;&lt; First &lt; Prev Page 1 of 227 Next &gt; Last &gt;&gt;

- [Runx/Cbfb complexes protect group 2 innate lymphoid cells from exhausted-like hyporesponsiveness during allergic airway inflammation.](#)
  1. Miyamoto C, Kojo S, Yamashita M, Moro K, Lacaud G, Shiroguchi K, Taniuchi I, Ebihara T. Nat Commun. 2019 Jan 25;10(1):447. doi: 10.1038/s41467-019-08365-0. Erratum in: [Nat Commun. 2019 Mar 1;10\(1\):1075.](#)  
PMID: 30683858 [Free PMC Article](#)  
[Similar articles](#)
  
- [Kounis syndrome induced by oral intake of aspirin: case report and literature review.](#)
  2. Hangouche AJE, Lamliki O, Oukerraj L, Dakka T, Doghmi N, Zarzur J, Cherti M. Pan Afr Med J. 2018 Aug 30;30:301. doi: 10.11604/pamj.2018.30.301.14948. eCollection 2018. Review.  
PMID: 30637085 [Free PMC Article](#)  
[Similar articles](#)
  
- [Inhalation of the prodrug PI3K inhibitor CL27c improves lung function in asthma and fibrosis.](#)
  3. Campa CC, Silva RL, Margaria JP, Piralí T, Mattos MS, Kraemer LR, Reis DC, Grosa G, Copperi F, Dalmarco EM, Lima-Júnior RCP, Aprile S, Sala V, Dal Bello F, Prado DS, Alves-Filho JC, Medana C, Cassali GD, Tron GC, Teixeira MM, Ciruolo F, Russo RC, Hirsch F

("Asthma/chemically induced"[Mesh]) AND (( "Aspirin/adverse effects"[Mesh] OR "Aspirin/poisoning"[Mesh] OR "Aspirin/toxicity"[Mesh] ))

[Edit](#)

[Clear](#)

### Builder

	All Fields	"Asthma/chemically induced"[Mesh]	-	<a href="#">Show index list</a>
AND	All Fields	( "Aspirin/adverse effects"[Mesh] OR "Aspirin/poisoning"[Mesh] OR "Aspirin/toxicity"[Mesh] )	-	<a href="#">Show index list</a>
AND	All Fields		- +	<a href="#">Show index list</a>

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<a href="#">#4</a>	<a href="#">Add</a>	Search nitrendipine AND (hypertension OR high blood pressure)	<a href="#">907</a>	17:55:27
<a href="#">#3</a>	<a href="#">Add</a>	Search liver neoplasms	<a href="#">208033</a>	17:47:09
<a href="#">#1</a>	<a href="#">Add</a>	Search cancer	<a href="#">3827991</a>	17:18:18



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- [Kounis syndrome induced by oral intake of aspirin: case report and literature review.](#)
  1. Hangouche AJE, Lamliki O, Oukerraj L, Dakka T, Doghmi N, Zarzur J, Cherti M. Pan Afr Med J. 2018 Aug 30;30:301. doi: 10.11604/pamj.2018.30.301.14948. eCollection 2018. Review. PMID: 30637085 [Free PMC Article](#)  
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  2. [Asthma exacerbation by aspirin and chemical additives: use of a nucleotide template model to investigate potential mechanisms.](#)  
Williams WR. Gen Physiol Biophys. 2018 Jul;37(4):461-468. doi: 10.4149/gpb\_2018003. Epub 2018 Jun 29. PMID: 29956671  
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  3. [Aspirin exacerbated respiratory disease: Current topics and trends.](#)  
Rodríguez-Jiménez JC, Moreno-Paz FJ, Terán LM, Guaní-Guerra E. Respir Med. 2018 Feb;135:62-75. doi: 10.1016/j.rmed.2018.01.002. Epub 2018 Jan 10. Review. PMID: 29414455  
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"Asthma/chemically induced" AND (( "Aspirin/adverse effects" OR "Aspirin/poisoning" ) AND "Aspirin")



---

**Asthma**

1. A form of bronchial disorder with three distinct components: airway hyper-responsiveness, airway INFLAMMATION, and intermittent AIRWAY OBSTRUCTION. It is characterized by cough, wheezing, and dyspnea (DYS/PNEA, PAR/OXYSMAL).

**Asthma, Occupational**

2. **Asthma** attacks caused, triggered, or exacerbated by OCCUPATIONAL EXPOSURE.  
Year introduced: 2012

**Asthma, Aspirin-Induced**

3. Asthmatic adverse reaction (e.g., BRONCHOCONSTRICTION) to conventional NSAIDS  
Year introduced: 2010





((("Aspirin/adverse effects"[Mesh] OR "Aspirin/poisoning"[Mesh] OR "Aspirin/toxicity"[Mesh] ))) AND "Asthma/chemically induced"[Mesh] OR "Asthma, Aspirin-Induced"[Mesh]

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#5	<a href="#">Add</a>	Search "Asthma/chemically induced"[Mesh]	<a href="#">4530</a>	19:51:27
#3	<a href="#">Add</a>	Search "Asthma, Aspirin-Induced"[Mesh]	<a href="#">283</a>	19:50:40



PubMed

(((("Aspirin/adverse effects"[Mesh] OR "Aspirin/poisoning"[Mesh] OR "Aspirin/toxicity"[Mesh] ))) A

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  2. Kuhn DM. N Engl J Med. 2018 Dec 6;379(23):2281. doi: 10.1056/NEJMc1813469. No abstract available. PMID: 30592398  
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- [Aspirin-Exacerbated Respiratory Disease.](#)
  3. Rusznak M, Peebles RS Jr. N Engl J Med. 2018 Dec 6;379(23):2280-2281. doi: 10.1056/NEJMc1813469. No abstract available.

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Review

> Eur J Surg Oncol. 2020 Jun;46(6):1174-1175.

doi: 10.1016/j.ejso.2020.05.018.

## Cancer Surgery Sustainability in the Light of COVID-19 Pandemic


Afsana Elanko, Jim Khan, Zaed Zr Hamady, Hassan Malik

PMID: 32487320    PMCID: PMC7261069    DOI: 10.1016/j.ejso.2020.05.018


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Declaration of competing interest No.

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**JAMA: The Journal of the American Medical Association**

Issue: Volume 303(18), 12 May 2010, p 1832-1840

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ISSN: 0098-7484

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Keywords: Alzheimer Disease, Chromosomes, Human, Pair 19, Chromosomes, Human, Pair 2, Genetic Predisposition to Disease, Genetic Research, Genome, Human, Genome-Wide Association Study

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### Genome-wide Analysis of Genetic Loci Associated With Alzheimer Disease

Seshadri, Sudha MD; Fitzpatrick, Annette L. PhD; Ikram, M. Arfan MD, PhD; DeStefano, Anita L. PhD; Gudnason, Vilmundur MD, PhD; Boada, Merce MD, PhD; Bis, Joshua C. PhD; Smith, Albert V. PhD; Carassquillo, Minerva M. PhD; Lambert, Jean Charles PhD; Harold, Denise PhD; Schrijvers, Elisabeth M. MD; Ramirez-Lorca, Reposo PhD; Debette, Stephanie MD, PhD; Longstreth, W. T. Jr MD; Janssens, A. Cecile PhD; Pankratz, V. Shane PhD; Dartigues, Jean François PhD; Hollingworth, Paul PhD; Aspelund, Thor PhD; Hernandez, Isabel MD; Beiser, Alexa PhD; Kuller, Lewis H. MD; Koudstaal, Peter J. MD, PhD; Dickson, Dennis W. MD; Tzourio, Christophe MD; Abraham, Richard PhD; Antunez, Carmen MD; Du, Yangchun PhD; Rotter, Jerome I. MD; Aulchenko, Yurii S. PhD; Harris, Tamara B. MD; Petersen, Ronald C. MD; Berr, Claudine MD, PhD; Owen, Michael J. MbChB, PhD; Lopez-Arrieta, Jesus MD; Varadarajan, Badri N. MS; Becker, James T. PhD; Rivadeneira, Fernando MD, PhD; Nalls, Michael A. PhD; Graff-Radford, Neill R. MD; Campion, Dominique MD, PhD; Auerbach, Sanford MD; Rice, Kenneth PhD; Hofman, Albert MD, PhD; Jonsson, Palmi V. MD; Schmidt, Helena MD, PhD; Lathrop, Mark PhD; Mosley, Thomas H. PhD; Au, Rhoda PhD; Psaty, Bruce M. MD, PhD; Uitterlinden, Andre G. PhD; Farrer, Lindsay A. PhD; Lumley, Thomas PhD; Ruiz, Agustin MD, PhD; Williams, Julie PhD; Amouyel, Philippe MD, PhD; Younkin, Steve G. PhD; Wolf, Philip A. MD; Launer, Lenore J. PhD; Lopez, Oscar L. MD; van Duijn, Cornelia M. PhD; Breteler, Monique M. MD, PhD; for the CHARGE, GERAD1, and EADI1 Consortia

#### ▼ Author Information

**Author Affiliations:** Departments of Neurology (Drs Seshadri, DeStefano, Beiser, Du, Auerbach, Au, Farrer, and Wolf) and Medicine (Genetics Program) (Mr Varadarajan and Dr Farrer), Boston University School of Medicine, and Departments of Biostatistics (Drs DeStefano, Beiser, Du, and Farrer) and Epidemiology (Dr Farrer), Boston University School of Public Health, Boston, Massachusetts; National Heart, Lung, and Blood Institute's Framingham Heart Study, Framingham, Massachusetts (Drs Seshadri, DeStefano, Debette, Beiser, Auerbach, Au, and Wolf); Departments of Epidemiology (Drs Fitzpatrick, Longstreth, and Psaty), Global Health (Dr Fitzpatrick), Medicine (Drs Bis, Longstreth, and Psaty), Neurology (Dr Longstreth), Biostatistics (Drs Rice

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## Clinical Study Categories

Category: Therapy  
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Broad  
Narrow

Results: 5 of 1130

Recombinant thrombomodulin for acute exacerbation in idiopathic interstitial pneumonias.

Arai T, Kida H, Ogata Y, Marumo S, Matsuoka H, Gohma I, Yamamoto S, Mori M, Sugimoto C, Tachibana K, et al. *Respirology*. 2019 Mar 5; . Epub 2019 Mar 5.

Microbial dysbiosis and mortality during mechanical ventilation: a prospective observational study.

Lamarche D, Johnstone J, Zytaruk N, Clarke F, Hand L, Loukov D, Szamosi JC, Rossi L, Schenck LP, Verschoor CP, et al. *Respir Res*. 2018 Dec 7; 19(1):245. Epub 2018 Dec 7.

[Comparison of two schemes of daily arousal and comfort analgesia and sedation in patients on mechanical ventilation in intensive care unit].

Guo K, Zhang H, Peng S. *Zhonghua Wei Zhong Bing Ji Jiu Yi Xue*. 2018 Oct; 30(10):950-952.

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Lansbury L, Rodrigo C, Leonardi-Bee J, Nguyen-Van-Tam J, Lim WS. *Cochrane Database Syst Rev*. 2019 Feb 24; 2:CD010406. Epub 2019 Feb 24.

Effect of Early Mobility as a Physiotherapy Treatment for Pneumonia: A Systematic Review and Meta-Analysis.

Larsen T, Lee A, Brooks D, Michieli S, Robson M, Vancamp S, Lucy SD. *Physiother Can*. 2019 Winter; 71(1):82-89.

Dual combination therapy versus long-acting bronchodilator monotherapy for chronic obstructive pulmonary disease: a systematic review and network meta-analysis.

Oba Y, Keeney E, Ghatehorde N, Dias S. *Cochrane Database Syst Rev*. 2018 Dec 3; 12:CD012620. Epub 2018 Dec 3.

## Medical Genetics

Topic: All

Results: 5 of 715

Mitochondrial DNA Deletion Syndromes  
Goldstein A, Falk MJ. *GeneReviews*. 1993-2019. 2003 Dec 17 [updated 2019 Jan 31]

Topic: All  
All  
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Differential Diagnosis  
Clinical Description  
Management  
Genetic Counseling  
Molecular Genetics  
Genetic Testing

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Rezidivierender Einsatz von Verceek G Stefanija

Tohoku J Exp Med. 2018 Dec; 246(4):225-231.

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Diagnosis	(Diagnosis AND Genetics)
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- 1. [Proliferation inhibition and differentiation induction of hepatic cancer stem cells by knockdown of BC047440: A potential therapeutic target of stem cell treatment for hepatocellular carcinoma.](#)  
You N, Zheng L, Liu W, Zhong X, Wang W, Li J.  
Oncology reports 2014 Apr; 31 (4 ):1911-20.  
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- 2. [Livistona chinensis seeds inhibit hepatocellular carcinoma angiogenesis in vivo via suppression of the Notch pathway.](#)  
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- 3. [Hematochezia from Metastasis of HepatocellularCarcinoma to Colon in a Patient who Underwent Liver Transplantation.](#)  
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- 4. [The ART strategy: Sequential assessment of the ART score predicts outcome of patients with hepatocellular carcinoma re-treated with TACE.](#)  
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- 5. [ART score for retreatment with transarterial chemoembolization in patients with hepato](#)  
Wu J, Bai W, Fan D, Han G.  
Journal of hepatology 2014 Mar; .  
PMID: 24657402 [PubMed - Publisher]
- 6. [Reply to Letter: "Resection or Transplantation for Early HepatocellularCarcinoma in a Cirrhotic Liver: Does Size Define the Best Oncological Strategy?"](#)  
Adam R, Bhangui P.  
Annals of surgery 2014 Mar; .  
PMID: 24633019 [PubMed - Publisher]

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Science. 2009 Apr 10;324(5924):261-5. doi: 10.1126/science.1170944.

Glioma-derived mutations in IDH1 dominantly inhibit IDH1 catalytic activity and induce HIF-1alpha.

Zhao S, Lin Y, Xu W, Jiang W, Zha Z, Wang P, Yu W, Li Z, Gong L, Peng Y, Ding J, Lei Q, Guan KL, Xiong Y.

文献 词典 图库 期刊 全文 选刊助手 NSFC 丁香通 导航 论坛

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Heterozygous mutations in the gene encoding isocitrate dehydrogenase-1 (IDH1) occur in certain human brain tumors, but their mechanistic role in tumor development is unknown. We have shown that tumor-derived IDH1 mutations impair the enzyme's affinity for its substrate and dominantly inhibit wild-type IDH1 activity through the formation of catalytically inactive heterodimers. Forced expression of mutant IDH1 in cultured cells reduces formation of the enzyme product, alpha-ketoglutarate (alpha-KG), and increases the levels of hypoxia-inducible factor subunit HIF-1alpha, a transcription factor that facilitates tumor growth when oxygen is low and whose stability is regulated by alpha-KG. The rise in HIF-1alpha levels was

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	Biochemical and biophysical research communications	2.5	<a href="#">相关文献</a>
	Science (New York, N.Y.)	31.2	<a href="#">相关文献</a>
	Acta neuropathologica	9.3	<a href="#">相关文献</a>
	Brain tumor pathology	1.2	<a href="#">相关文献</a>
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	International journal of cancer. Journal international du cancer	5.4	<a href="#">相关文献</a>
	Cancer research	7.9	<a href="#">相关文献</a>
	The American journal of pathology	4.9	<a href="#">相关文献</a>
	Clinical cancer research : an official journal of the American Association for Cancer Research	7.7	<a href="#">相关文献</a>
	Neuro-oncology	5.7	<a href="#">相关文献</a>
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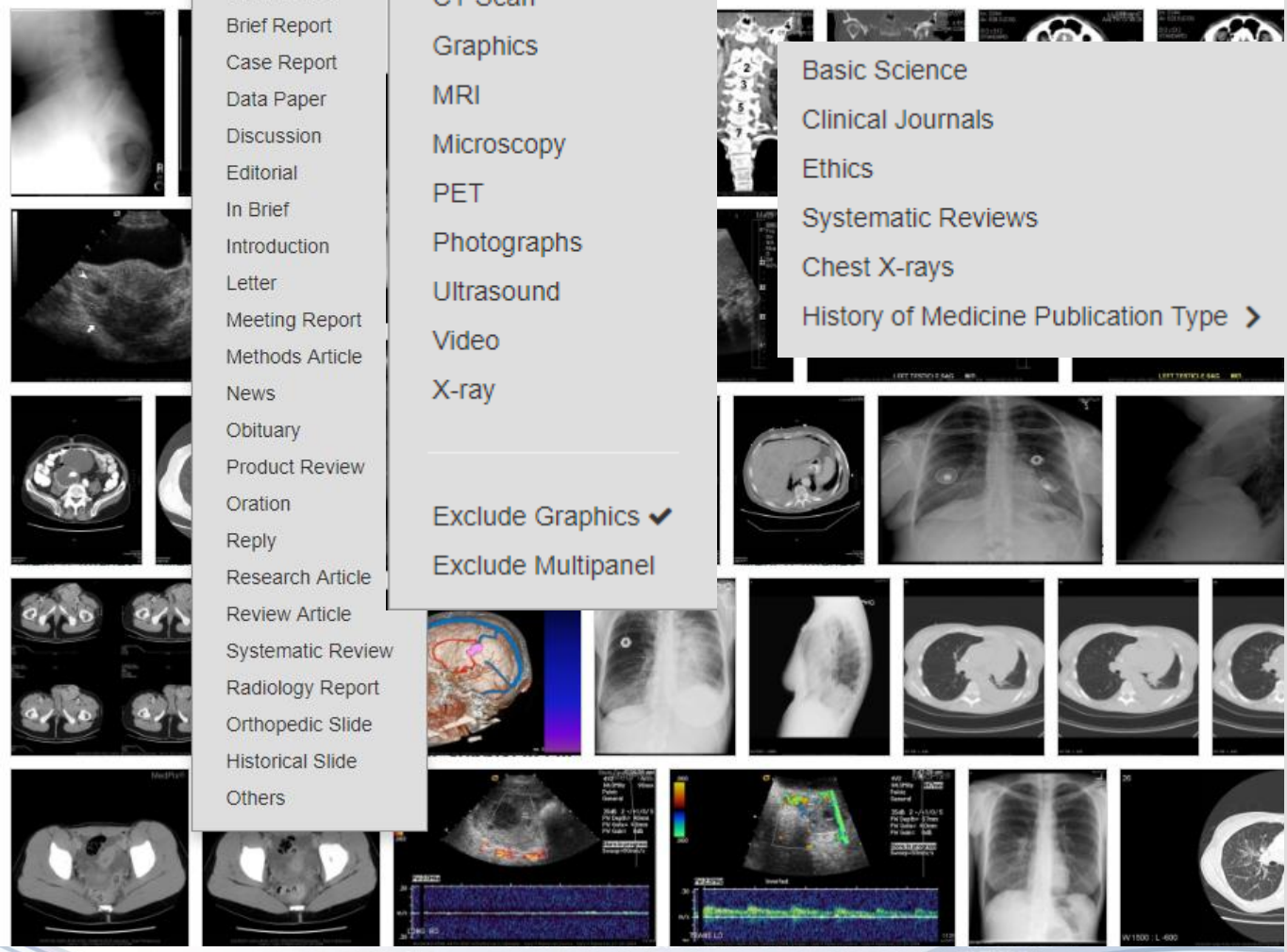


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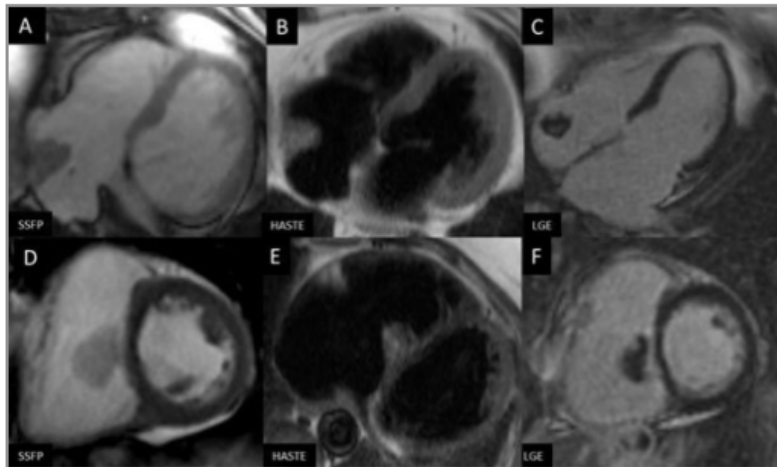
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## Thrombus can enhance on delayed enhancement imaging

[Journal of Cardiovascular Magnetic Resonance](#)



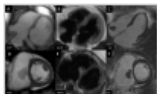
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**F1:** Images A-C: CMR demonstrating a mass with mild delayed enhancement suggestive of myxoma, later proven to be thrombus; Images D-F: CMR demonstrating a mass diagnosed as myxoma, confirmed pathologically.

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To examine the diagnostic accuracy of cardiac magnetic resonance imaging (CMR) in differentiating thrombus from myxoma Thrombus is thought not to enhance on CMR, myxomas are thought to show mild heterogenous enhancement on delayed imaging... It is sometimes difficult to differentiate them, and this may lead to misdiagnosis, which would significantly impact treatment... Thrombi can have varying signal intensities depending on their age and fibrous composition in T1 and T2 imaging... Analysis of a total of 46 masses diagnosed as myxoma or thrombus on CMR were compared with histopathology reports or follow up imaging to determine the diagnostic accuracy of CMR... All patients underwent CMR on a 1.5 Tesla scanner with EKG gating following the same protocol... Of the 46 masses reviewed, sixteen masses were diagnosed as myxoma on CMR, while post-operative pathology reports revealed 11 of these to be myxomas, 4 were found to be thrombi, and 1 was an artifact associated with mitral valve prosthesis... Delayed enhancement is one of the important factors distinguishing a myxoma from a thrombus... However we found in our study that some thrombi may show mild delayed enhancement because of varying tissue composition and result in a misdiagnosis... CMR evaluation can also be difficult in the presence of artifacts (motion, valve prosthesis, intracardiac leads) and arrhythmias... Thrombi may show patchy enhancement on delayed imaging and can be confused as atrial myxoma on CMR.

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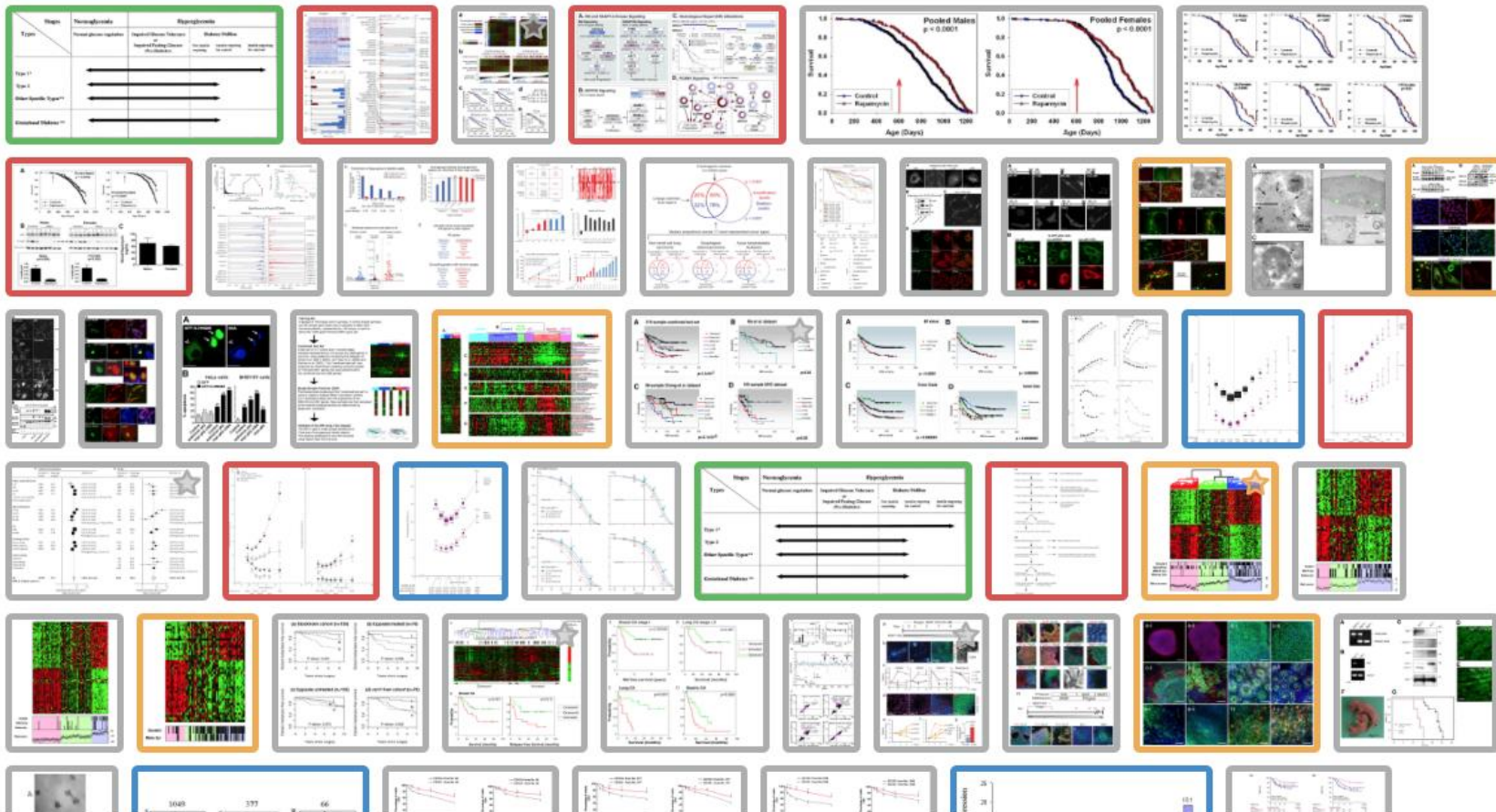


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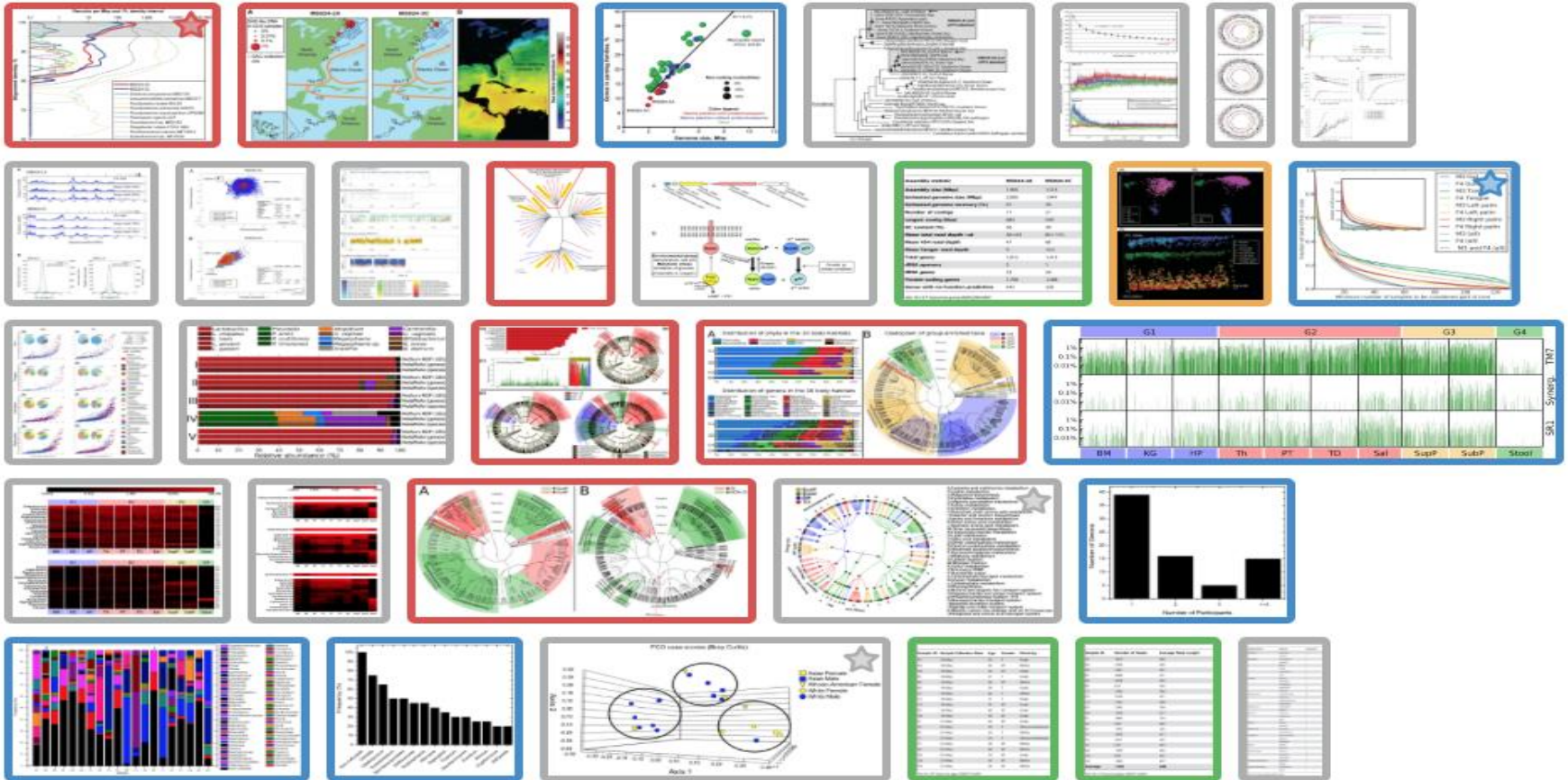
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## Age- and diet-associated metabolome remodeling characterizes the aging process driven by damage accumulation

Khaitovich Philipp, Khaitovich Philipp, Gladyshev Vadim N, Clish Clary B, Lee Byung Cheon, Yim Sun Hee, Pierce Kerry A, Ma Siming and Avanesov Andrei S

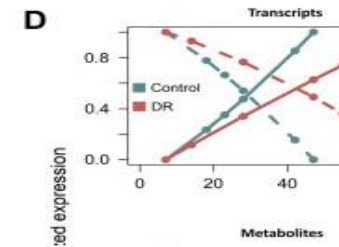
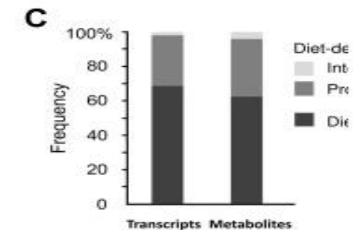
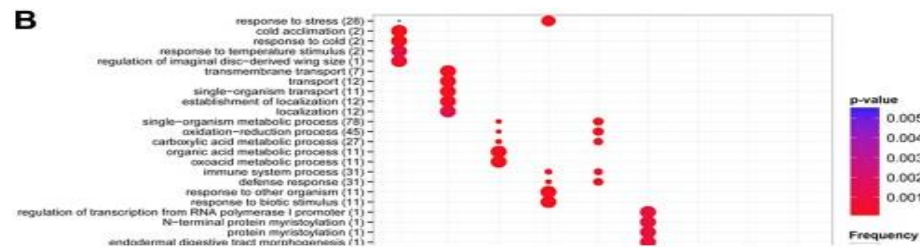
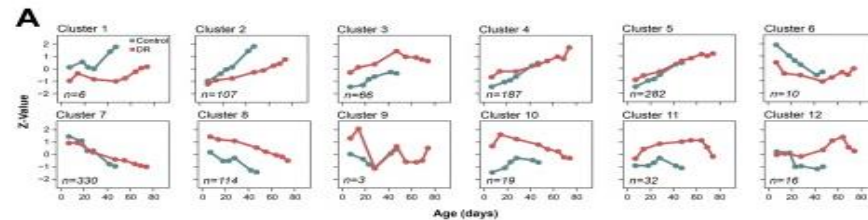
*eLife* 2014

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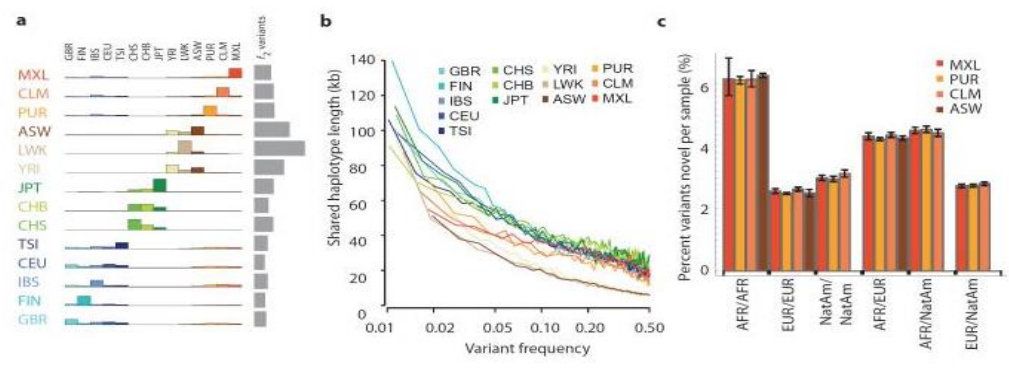
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### An integrated map of genetic variation from 1,092 human genomes

Nature 2012

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Purifying selection within and between populations, The relationship between evolutionary conservation (measured by GERP score19) and rare variant proportion (fraction of all variants with derived allele frequency < 0.5%) for variants occurring in different functional elements and with different coding consequences. Crosses indicate the average GERP score at variant sites (x-axis) and proportion of rare variants (y-axis) in each category. b, Levels of evolutionary conservation (mean GERP score, top) and genetic diversity (per nucleotide pairwise differences, bottom) for sequences matching the CTCF-binding motif within CTCF-binding peaks as experimentally identified by CHIP-Seq in the ENCODE project13 (blue) and in a matched set of motifs outside peaks (red). The logo plot shows the distribution of identified motifs within peaks. Error bars represent 2 s.e.m.

Thanks For Your Time!

