

带你认识 Pubmed医学文献检索平台

主讲人：李薇



概况

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检索机制
检索技术

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检索方法

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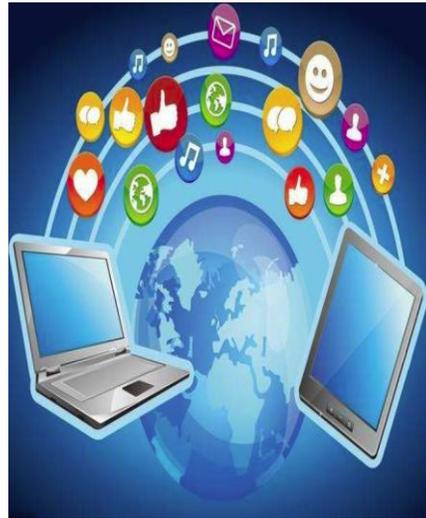
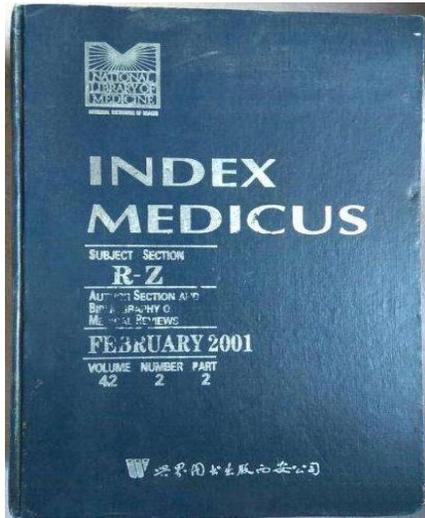
04

结果处理



概 况

发展



01

1879
Index Medicus
检索期刊

02

1971
Medline
联机检索系统

03

1983
Medline
光盘数据库

04

1997
Pubmed
网络数据库

概 况

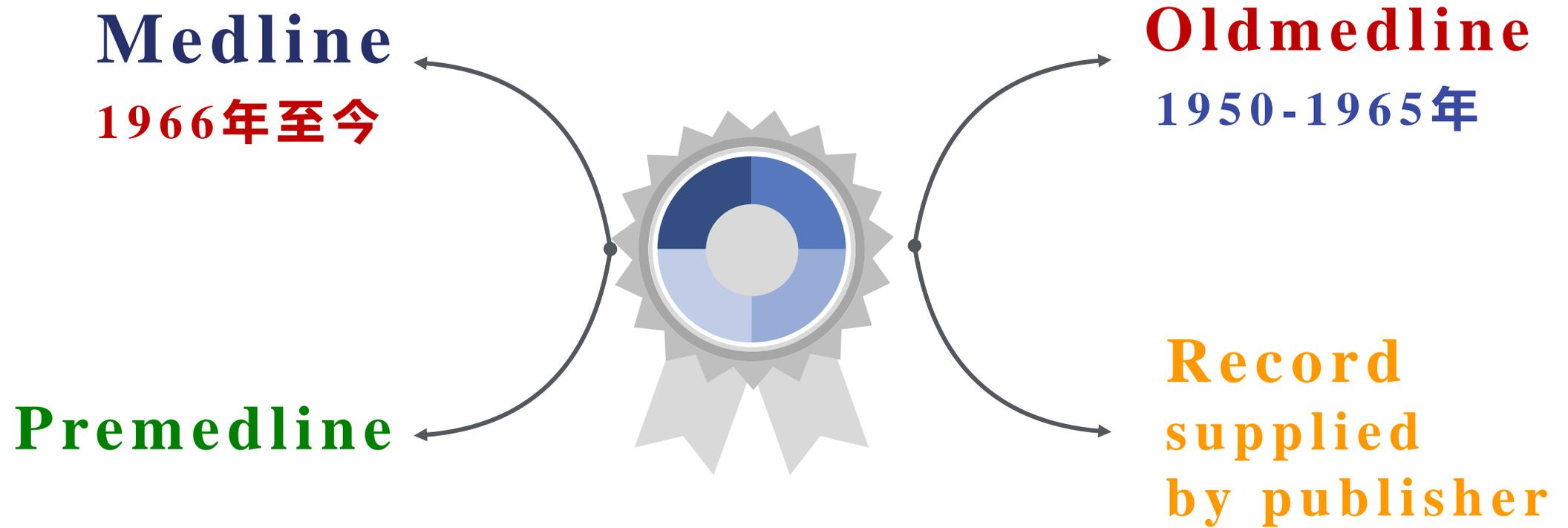
特色

收录广、内容全、
检索途径多、体系
完备等特点，是目
前世界上查找医学
文献利用率最高的
网上免费书目型数
据库。

◆ PubMed一词源自“**Public**”和“**Medline**”两个英语单词，顾名思义，意味着面向公众的、免费的医药信息检索服务。

◆ 美国国家医学图书馆NLM下设的美国生物技术信息中心NCBI建立的以Web方式向用户提供服务的生物医学文献检索系统，使用NCBI的Entrez检索平台，1997年6月26日美国副总统戈尔宣布免费开放。

数据范围



Medline

Medline是PubMed的**主体数据部分**，收录来源于美国和世界上80多个国家和地区、50种语言的**5200多种权威生物医学**及相关学科期刊，内容涉及护理学、牙科学、兽医学、药理学、保健系统等医学各个领域；**90%**以上原文为英语，**70%**记录有文摘(1975年以前的文献无英文摘要)，**5%**免费全文。

回溯时间：1966年至今。

PreMedline

1998年开始建立，是一个临时性医学文献数据库，收录由出版商提供的尚未经过规范化处理的新数据，提供简单的书目信息和文摘，**每天更新添加新的文献**，经过标引部门标引主题词、文献类型、数据库存取号等数据以后加入到Medline数据库中。

Record supplied by publisher

出版商以电子版形式直接提供、超出Medline收录范围的数据，大部分出版商提供的文献处于正在加工的状态，经标引后加入到Medline中。此外还有少部分出版商提供的文献不进行标引，出版商提供的先于印刷版文献出现的网络版题录显示[Online ahead of print]标识。



Obstructive sleep apnea severity, circulating biomarkers, and **cancer** risk.

1

Allen AJH, Kendzerska T, Bhatti P, Jen R, Myers R, Hajipour M, van Eeden SF, Ayas N.

Cite

J Clin Sleep Med. 2024 Apr 22. doi: 10.5664/jcsm.11170. Online ahead of print.

PMID: 38648119

Share

The clinical, PSG, and biomarker data were linked to the British Columbia **Cancer** Registry to ascertain incident **cancer** diagnoses. Cox proportional hazard regression were used to assess the association

Old Medline

收录1966年以前出版，尚未完成MeSH词更新而未转入Medline的部分。

Pubmed在不断增加新数据的同时，还会向数据库中追加更早的数据，截止到2012年9月的数据统计，通过Pubmed可查到的**最早的文献为1809年出版**的Medico-chirurgical transactions 上的文献，且为免费全文。

An Improved Method of Amputating a Cancerous Breast; with an Account of Two Cases in Which It Was Performed with Success

• Copyright and License information [Disclaimer](#)

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409

410

411

412

[406]

maphrodite, and indeed the external parts had very much the appearance of a combination of the sexes.

I was not permitted to examine the thoracic viscera, but it was observed, that the child had no difficulty of breathing, and therefore probably there was no mal-conformation in the chest.

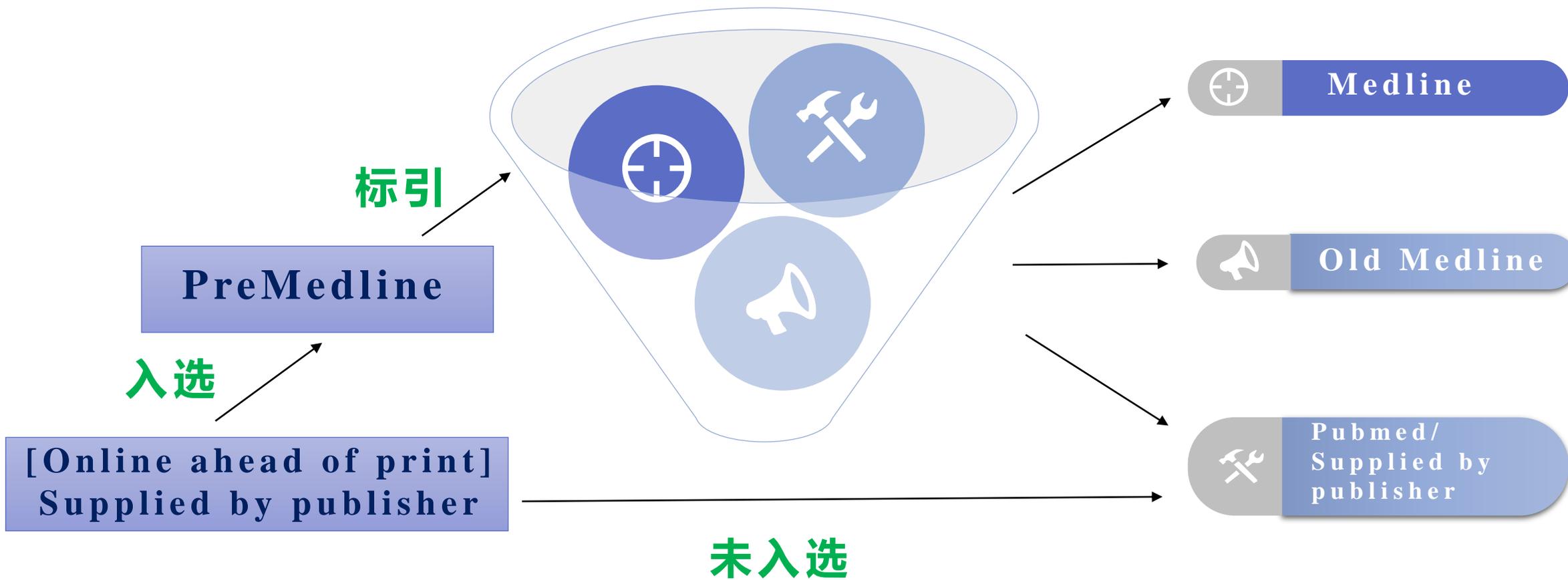
I believe such children would live longer than they usually do, if proper care was taken; but it is not to be wondered at if parents and their attendants are not over anxious to preserve the life of such monstrous productions.

*Peckham,
July 30, 1783.*

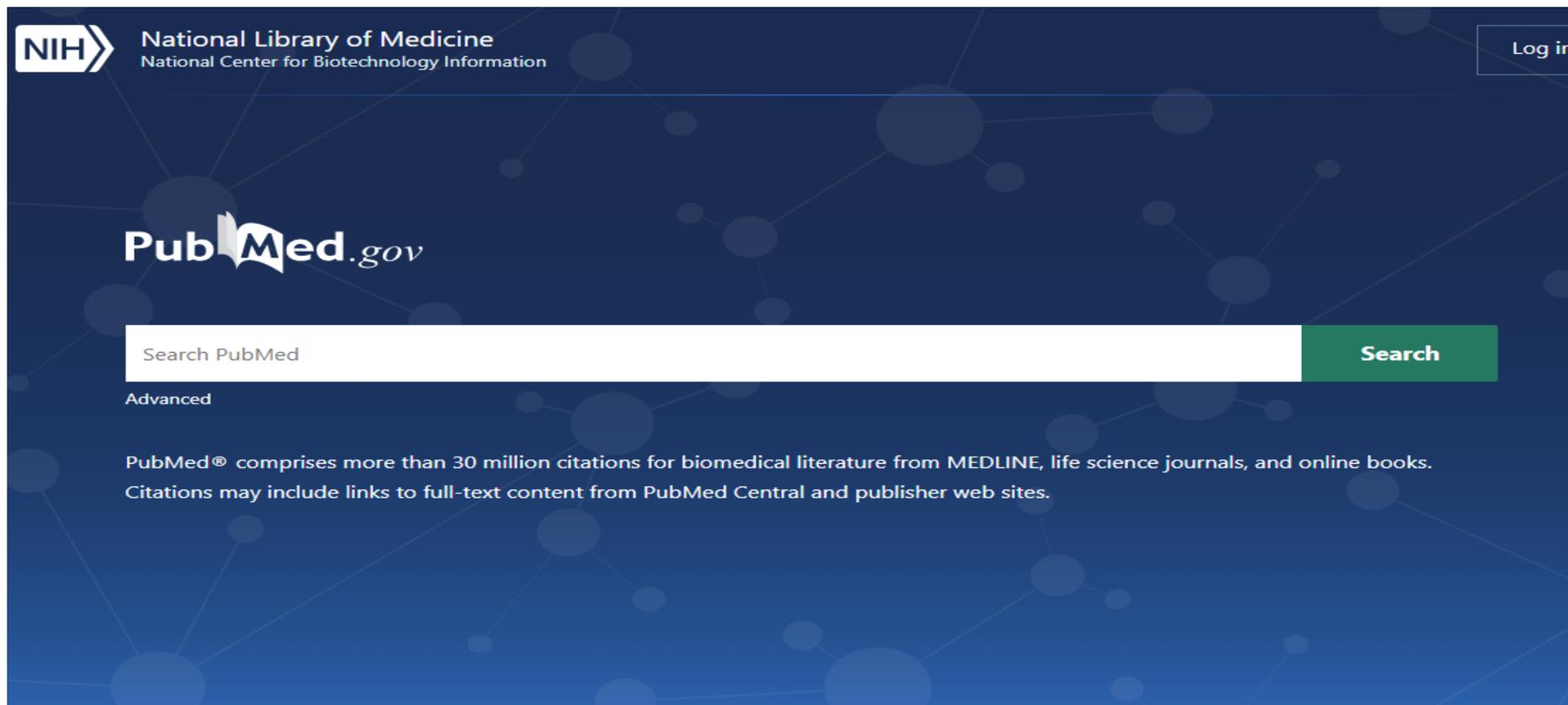
IV. *An Improved method of amputating a cancerous breast; with an account of two cases in which it was performed with success. Communicated in a letter to Dr. Simmons, by Mr. Henry Fearon, Surgeon of the Surry Dispensary.*

NOtwithstanding the general opinion, that cancerous complaints depend on the habit or constitution, and therefore cannot be cured by

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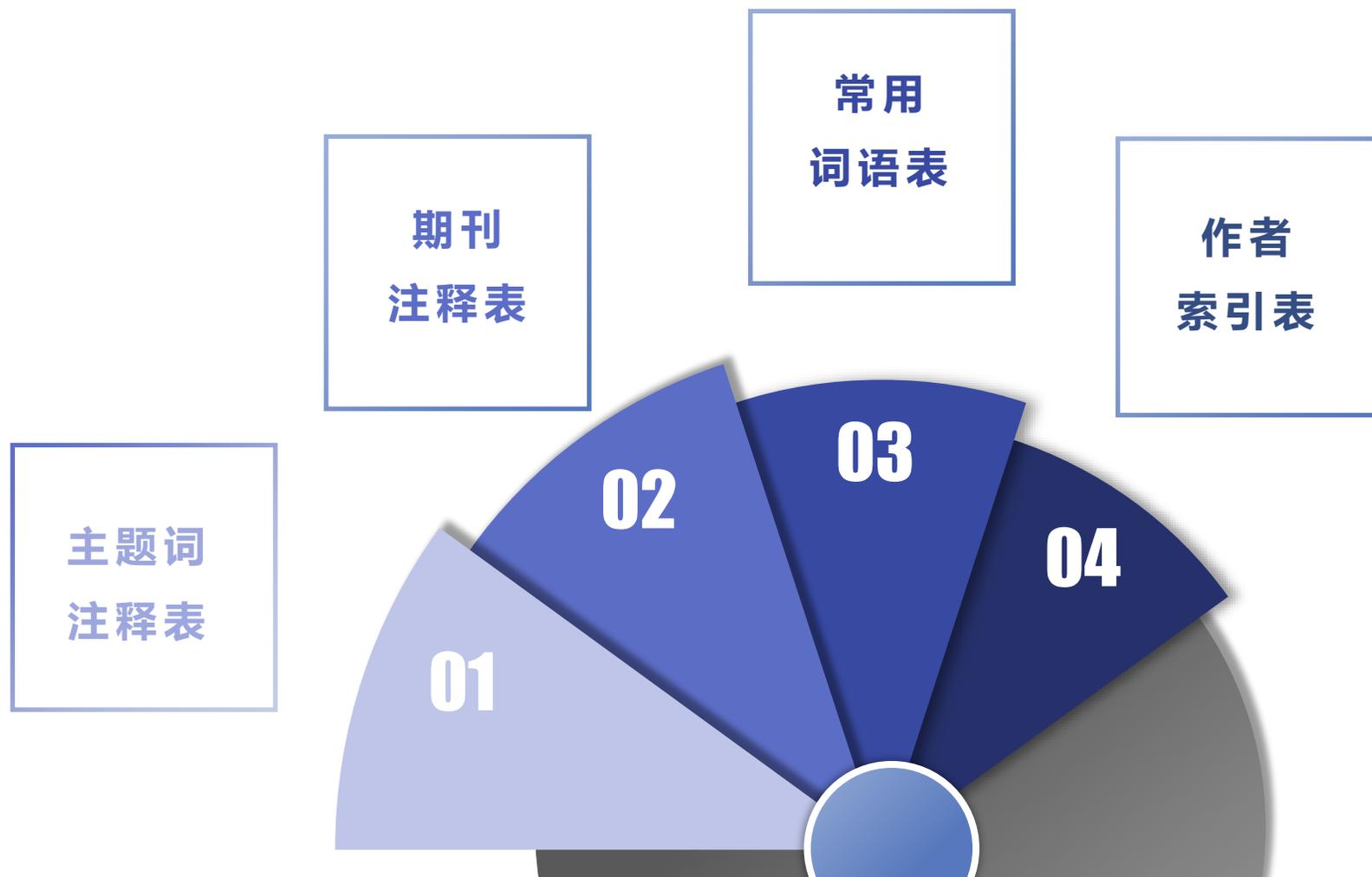


Explore



检索机制

检索机制



如果在以上4个表中都找不到相匹配的词，PubMed将把短语分开，以单词为单位分别重复以上的过程检索时各个词之间是AND逻辑关系。如果仍找不到相匹配的词，则用单个词在所有字段查找，各个词之间也是AND逻辑关系。

词汇自动转换

Search	Actions	Details	Query	Results	Time
#1	...		Search: vitamin c "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]	74,801	20:53:54

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]

主题词注释表

想要查验检索词的转换情况，可查看检索历史中的“Details”按钮

词汇自动转换

期刊 注释表

New England
journal of
medicine 转换为
“N Engl J Med”
[Journal]

常用 词语表

“Cold compresses”
在前两个表中均未
找到，便在短语列
表中找到这个词

短语 检索

又称强迫词组检索，将短语作为一个词组进行检索，可用双引号“ ”将其引起来如：“drug therapy”作为词组进行检索的词，系统不进行自动转换匹配，也不进行MeSH词的扩检。

History and Search Details

 Download  Delete

Search	Actions	Details	Query	Results	Time
#2	...	▼	Search: "drug therapy" Sort by: Most Recent "drug therapy"[All Fields]	<u>2,769,767</u>	02:23:09
#1	...	▼	Search: drug therapy Sort by: Most Recent "drug therapy"[MeSH Subheading] OR ("drug"[All Fields] AND "therapy" [All Fields]) OR "drug therapy"[All Fields] OR "drug therapy"[MeSH Terms] Translations drug therapy: "drug therapy"[Subheading] OR ("drug"[All Fields] AND "therapy"[All Fields]) OR "drug therapy"[All Fields] OR "drug therapy" [MeSH Terms]	<u>3,815,412</u>	02:23:00

Showing 1 to 2 of 2 entries

常用的检索技术

1 ▶ 布尔检索

2 ▶ 截词检索

3 ▶ 限制检索

4 ▶ 加权检索

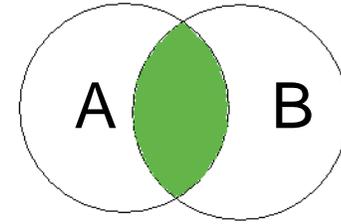
5 ▶ 扩展检索

布尔检索

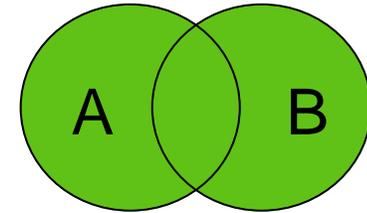
1、逻辑运算符：OR、AND、NOT

运算顺序：OR<AND<NOT，可用（）改变检索词的处理顺序。

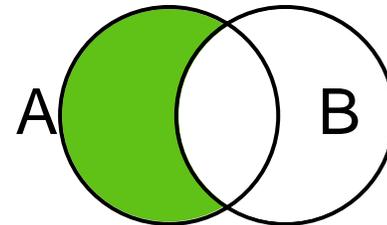
逻辑与（AND）——检出记录中同时含有检索词A和检索词B.



逻辑或（OR）——检出记录中含有检索词A或检索词B或同时含有检索词A和B的文献。



逻辑非（NOT）--在含检索词A的记录中，去掉含检索词B的记录。



逻辑非可能会过滤掉一些需要的文献，谨慎使用

截词检索

将检索词在适当的地方截断，在词的局部加上通配符进行检索的方法，可避免漏检，减少词的输入量，扩大检索范围。

<截词符>

- ? 代表一个任意的字符串（有限截词）

eg: wom?n = woman or women

- * 代表一个或多个任意的字符串（无限截词）

eg: chemotherap*可检出chemotherapy、chemotherapeutic、chemotherapeutical等文献。但仅限于600种词形变化，不进行词汇的自动转换。

【注意】 ? 和 * 必须为英文半角。

字段限制检索

利用字段标识符
乎所有的文献数据从
字段限定检索功能，
一字段或几个字段作

检索式格式：检
检索在字段中含有

eg: **hepatitis[TI]**,

【注意】 [] 必须为英

PubMed Advanced Search Builder

Add terms to the query box

All Fields

- Editor
- Filter
- Grants and Funding
- ISBN
- Investigator
- Issue
- Journal
- Language
- Location ID
- MeSH Major Topic
- MeSH Subheading
- MeSH Terms**
- Other Term
- Pagination
- Pharmacological Action
- Publication Type
- Publisher
- Secondary Source ID
- Subject - Personal Name
- Supplementary Concept

Query	Results	Time
Search: Therapeutic effect of myofascial trigger point electroacupuncture technology on the treatment of overactive bladder syndrome in female Sort by: Most Recent	1	23:47:31
Search: Pooled analysis of the efficacy and safety of tibial nerve stimulation versus antimuscarinic agents in the management of	1	23:34:45

字段标识符

字段名称	字段标识	字段含义
Affiliation	[AD]	第一著者单位、地址
All Fields	[ALL]	所有字段
Author	[AU]	著者
CorporateAuthor	[CN]	团体著者
First Author Name	[1AU]	第一著者
Full Author Name	[FAU]	著者全名
ISBN	[ISBN]	ISBN
Issue	[IP]	期刊期号
Journal	[TA]	期刊名称 (含全称、缩写、ISSN号)
Language	[LA]	语种
Last Author	[LASTAU]	排名最后的著者
MeSH Major Topic	[MAJR]	主要MeSH主题词, 用*表示
MeSH Subheadings	[SH]	MeSH副主题词
MeSH Terms	[MH]	MeSH主题词
Other Term	[OT]	款目词 (非MeSH主题词)
Pagination	[PG]	文献起止页码
Personal Name as Subject	[PS]	作为文献主题的人名
Pharmacological Action	[PA]	药理作用概念
Place of Publication	[PL]	期刊出版国别
Publication Date	[DP]	出版日期
Publication Type	[PT]	文献类型
Subset	[SB]	数据子集
Text Words	[TW]	文本词, 来自TI、AB、MH、SH、PT等字段
Title	[TI]	题名
Title/Abstract	[TIAB]	题名/摘要
UID	[PMID]	PubMed文献唯一识别码
Volume	[VI]	期刊卷号

扩展检索 加权检索

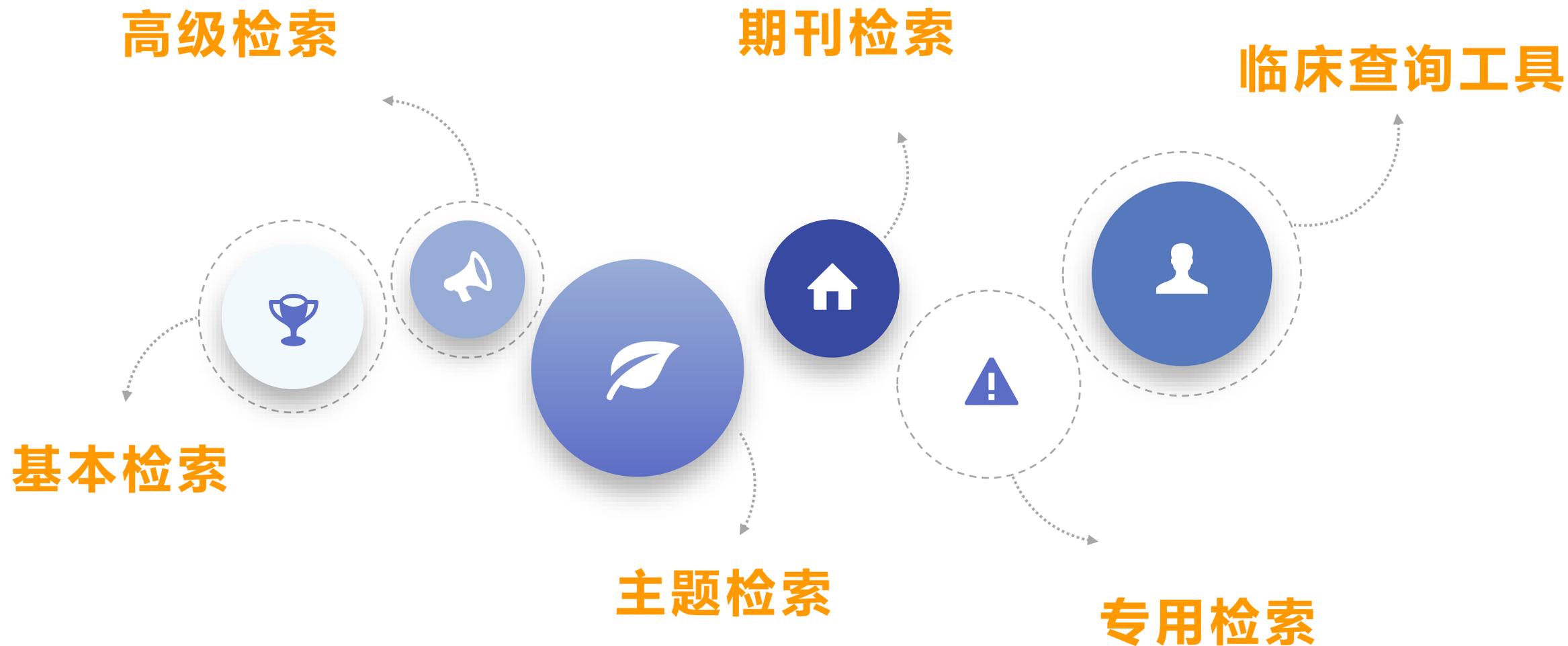
扩展检索：基于词表，自动或半自动对多个检索词执行逻辑或的扩展检索——下位词扩展、同义词扩展。

加权检索：加权检索的侧重点于判定检索词或字符串在满足检索逻辑后对文献命中与否的影响程度。运用加权检索可以命中核心概念文献，因此它是一种缩小检索范围、提高查准率的方法，主要用于Mesh主题词检索。



检索方法

检索方法



基本检索



NIH National Library of Medicine
National Center for Biotechnology Information

PubMed.gov

检索提问区

Search PubMed

Advanced

高级检索

PubMed[®] comprises more than 50 million citations for biomedical literature from MEDLINE

Citations may include links to full-text content from PubMed Central and publisher web sites



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About PubMed
FAQs & User Guide
Finding Full Text

使用帮助



发现

Find

Advanced Search
Clinical Queries
Single Citation Matcher

文献匹配器



应用

Download

E-utilities API
FTP
Batch Citation Matcher

临床查询



拓展

Explore

MeSH Database
Journals

期刊检索

主题检索

Trending Articles

热门文章

PubMed records with recent increases in activity

MicroRNA-143/Musashi-2/KRAS cascade contributes positively to carcinogenesis in human bladder cancer.

Tsujino T, et al. Cancer Sci. 2019. PMID: 31066120 **Free PMC article.**

Special delivery! Biggest-ever haul of asteroid dust and rock returns to Earth.

Witze A. Nature. 2023. PMID: 37743373 No abstract available.

Amyloplast sedimentation repolarizes LAZYs to achieve gravity sensing in plants.

Chen J, et al. Cell. 2023. PMID: 37741279

Distinguishing features of Long COVID identified through immune profiling.

Latest Literature

高访问期刊的最新文献

New articles from highly accessed journals

Am J Gastroenterol (5)

Am J Surg Pathol (1)

Clin Orthop Relat Res (5)

Cochrane Database Syst Rev (2)

Gastroenterology (1)

J Neurosci (2)

JAMA (13)

Nat Commun (29)

关键词、词(词组)或短语:

liver cancer、 “cancer therapy” interleukin-6

示例：膀胱癌的化疗

提炼关键词:

膀胱癌: Bladder cancer、 Carcinoma of bladder、 Bladder carcinoma、 Bladder tumor

化疗: Chemotherapy、 Chemical therapy 、 Chemotherapeutic

逻辑关系:

(“Bladder cancer” OR “Carcinoma of bladder” OR “Bladder carcinoma” OR “Bladder tumor”) AND (Chemical therapy OR Chemotherap*)

Save

Email

Send to

Sort by:

Best match



Display options



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9,560 results



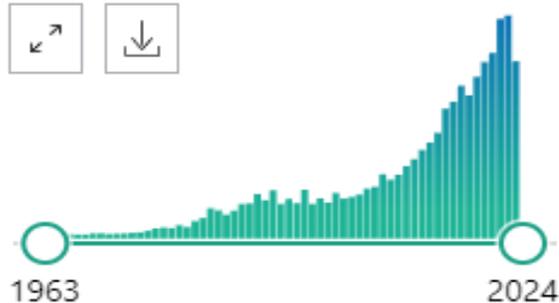
Page

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of 956



RESULTS BY YEAR



Defining cisplatin eligibility in patients with muscle-invasive **bladder cancer**.

1

Jiang DM, Gupta S, Kitchlu A, Meraz-Munoz A, North SA, Alimohamed NS, Blais N, Sridhar SS.

Cite

Nat Rev Urol. 2021 Feb;18(2):104-114. doi: 10.1038/s41585-020-00404-6. Epub 2021 Jan 11.

Share

PMID: 33432181 [Review](#).

The current treatment paradigm for muscle-invasive **bladder cancer** (MIBC) consists of cisplatin-based neoadjuvant **chemotherapy** followed by local definitive **therapy**, or local definitive **therapy** alone for cisplatin-ineligible patients. ...Cisplatin ...



Development of Novel Aptamer-Based Targeted **Chemotherapy** for **Bladder Cancer**.

2

Cite

Wang Y, Zhang Y, Li PC, Guo J, Huo F, Yang J, Jia R, Wang J, Huang Q, Theodorescu D, Yu H, Yan C.

Share

Cancer Res. 2022 Mar 15;82(6):1128-1139. doi: 10.1158/0008-5472.CAN-21-2691.

PMID: 35064018 [Free PMC article](#).

Here, using cell internalization systematic evolution of ligands by exponential enrichment (SELEX), we identify a novel **bladder cancer**-specific, **chemically** modified nucleic acid aptamer that can be preferentially internalized into **tumor** cells but not n ...

TEXT AVAILABILITY



Abstract



Free full text



Full text

ARTICLE ATTRIBUTE



Associated data

基本检索

作者检索示例：检索作者为Deborah W Knapp 的文章

格式：姓+名首字母缩写(不用标点)



Knapp Deborah W

Knapp DW

Knapp Deborah

在检索框内键入作者姓名Knapp DW
系统会自动在作者字段内进行检索。
仅知道作者姓，则必须加上字段标识如Knapp[au]。2002年以后的文献
若文中有作者全称可用全名检索，
作者姓名可正序或倒序，为区分姓名
全称与首字缩写，需加标全名字
段标识[fau],如:Peterson do[fau]

Knapp D



Search

User Guide

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Save

Email

Send to

match

Display options

Knapp D

作者姓名检索按照姓(全写)+名(缩写), 之间不用标点

679 results



Single-cell analysis uncovers convergence of cell identities during axolotl limb regeneration.

1

Cite

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Gerber T, Murawala P, **Knapp D**, Masselink W, Schuez M, Hermann S, Gac-Santel M, Nowoshilow S, Kageyama J, Khattak S, Currie JD, Camp JG, Tanaka EM, Treutlein B. Science. 2018 Oct 26;362(6413):eaaq0681. doi: 10.1126/science.aaq0681. Epub 2018 Sep 27. PMID: 30262634 [Free PMC article.](#)



Cord blood expansion. Pyrimidoindole derivatives are agonists of human hematopoietic stem cell self-renewal.

2

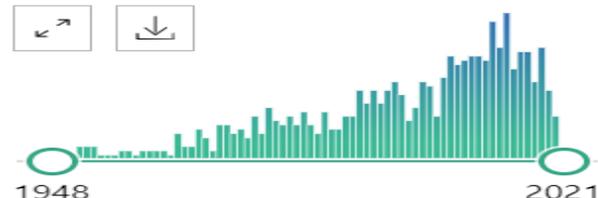
Cite

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Fares I, Chagraoui J, Gareau Y, Gingras S, Ruel R, Mayotte N, Csaszar E, **Knapp DJ**, Miller P, Ngom M, Imren S, Roy DC, Watts KL, Kiem HP, Herrington R, Iscove NN, Humphries RK, Eaves CJ, Cohen S, Marinier A, Zandstra PW, Sauvageau G.

MY NCBI FILTERS

RESULTS BY YEAR



TEXT AVAILABILITY

Abstract

Free full text

"Knapp D"[au]



Search

User Guide

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Save

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Send to

match

Display options

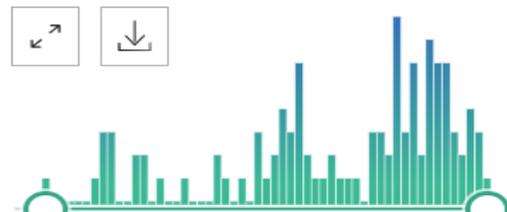
"Knapp D" [au]

精确检索避免PubMed自动词汇转换, 实现精确查找

MY NCBI FILTERS

101 results

RESULTS BY YEAR



Single-cell analysis uncovers convergence of cell identities during axolotl limb regeneration.

1

Cite

Share

Gerber T, Murawala P, **Knapp D**, Masselink W, Schuez M, Hermann S, Gac-Santel M, Nowoshilow S, Kageyama J, Khattak S, Currie JD, Camp JG, Tanaka EM, Treutlein B. Science. 2018 Oct 26;362(6413):eaaq0681. doi: 10.1126/science.aaq0681. Epub 2018 Sep 27. PMID: 30262634 [Free PMC article.](#)

基本检索

期刊刊名

- 提供刊名缩写和刊名全称的转换查询
- 可输入刊名、缩写名、ISSN号、NLM刊号、国际标准刊名缩写、刊名中含有的词等浏览期刊文献

- 早年的文献中没有ISSN号
- 如果期刊全名中包括括弧或方括号，输入时应予以取消
- 中文期刊直接用汉语拼音：如南方医科大学学报：Nan Fang Yi Ke Da Xue Xue Bao.

Add terms to the query box

 [Show Index](#)

Query box

注：如果一个期刊名恰好是主题词或关键词，如：cancer， science， cell等，PubMed会首先将这些词转换成MeSH词表中的主题词进行检索。因此，需要将检索请求进行标准化处理，即在杂志名后面加[Journal]或[TA]。如："cell"[ta]

Search	Actions	Details	Query	Results	Time
#9	...	>	Search: "cell"[TA]	20,688	04:10:03
#8	...	>	Search: "cell"[Journal]	20,688	04:09:53

基本检索

复杂表达式：liver cancer AND therapy

带有摘要文献的检索：

liver cancer AND has abstract

截词检索：扩大检索范围，提高查全率。

字段限制检索：采用字段限制方式进行检索，

规则是：检索词1[字段标识] 逻辑运算符

检索词2[字段标识]

如：查找作者为Dikmen M在2017年发表的

的标题中含有osteosarcoma的文献。

检索式：osteosarcoma [TI] AND

Dikmen M [AU] AND 2017[DP]

The screenshot shows a PubMed search result for the query "osteosarcoma [TI] AND Dikmen M [AU] AND 2017[DP]". The search bar at the top contains the query and a "Search" button. Below the search bar, there are options for "Advanced", "Create alert", and "Create RSS". The search results section shows "Found 1 result for osteosarcoma [TI] AND Dikmen M [AU] AND 2017[DP]" with buttons for "Save", "Email", "Send to", and "Display options". The article title is "Camellia sinensis increased apoptosis on U2OS osteosarcoma cells and wound healing potential on NIH3T3 fibroblast cells". The authors are listed as Sinem Er¹, Miriř Dikmen^{2,3}. The article is from Cytotechnology, 2017 Dec;69(6):901-914. The PubMed ID (PMID) is 28509991, the PMC ID is PMC5660739, and the DOI is 10.1007/s10616-017-0105-4. There is a "Free PMC article" link. The abstract text is partially visible: "Camellia sinensis (Cs) is a plant which is rich in polyphenols and has antioxidant, antiinflammatory, antimutagenic, anticarcinogenic and antibacterial activities. In this study, two different methanol extracts (Cs-I and Cs-II) were prepared from the leaf of C. sinensis in order to investigate the wound healing and anticancer activities. Total phenolic content and antioxidant activity of the extracts were determined. Wound healing effects of Cs extracts were evaluated by using Masson's Trichrome." On the right side of the article, there are "FULL TEXT LINKS" for SpringerLink and PMC, and "ACTIONS" for "Cite" and "Collections". There are also "SHARE" buttons for Twitter, Facebook, and LinkedIn, and a "PAGE NAVIGATION" section at the bottom right.

举例：膀胱癌的化疗



National Library of Medicine
National Center for Biotechnology Information

PubMed.gov

("Bladder cancer" OR "Carcinoma of bladder" OR "Bladder carcinoma" OR "Bladder cancer chemotherapy" OR "Bladder cancer treatment")

Advanced

PubMed® comprises more than 30 million citations from MEDLINE and other life science journals. Citations may include links to full-text articles.



("Bladder cancer" OR "Carcinoma of bladder" OR "Bladder carcinoma" OR "Bladder cancer chemotherapy" OR "Bladder cancer treatment")

Search

Advanced Create alert Create RSS

User Guide

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Email

Send to

Sort by:

Best match

Display options

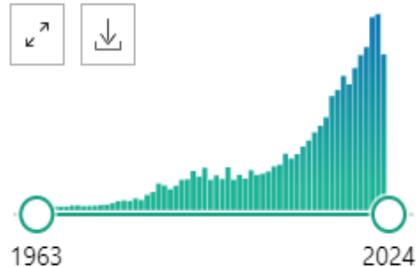
检索文献数量

MY NCBI FILTERS

9,560 results

Page 1 of 956

RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

Defining cisplatin eligibility in patients with muscle-invasive **bladder cancer**.

1 Jiang DM, Gupta S, Kitchlu A, Meraz-Munoz A, North SA, Alimohamed NS, Blais N, Sridhar SS.

Cite Nat Rev Urol. 2021 Feb;18(2):104-114. doi: 10.1038/s41585-020-00404-6. Epub 2021 Jan 11.

PMID: 33432181 Review.

Share

The current treatment paradigm for muscle-invasive **bladder cancer** (MIBC) consists of cisplatin-based neoadjuvant **chemotherapy** followed by local definitive **therapy**, or local definitive **therapy** alone for cisplatin-ineligible patients. ...Cisplatin ...

Development of Novel Aptamer-Based Targeted **Chemotherapy** for **Bladder Cancer**.

2 Wang Y, Zhang Y, Li PC, Guo J, Huo F, Yang J, Jia R, Wang J, Huang Q, Theodorescu D, Yu H, Yan C.

Cite Cancer Res. 2022 Mar 15;82(6):1128-1139. doi: 10.1158/0008-5472.CAN-21-2691.

PMID: 35064018 Free PMC article.

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Here, using cell internalization systematic evolution of ligands by exponential enrichment (SELEX), we identify a novel **bladder cancer**-specific, **chemically** modified nucleic acid aptamer that can be preferentially internalized into **tumor** cells but not n ...

题录格式

Pulmonary manifestations of urothelial **carcinoma** of the **bladder**.

3 Agrawal A, Sahni S, Vulisha AK, Gumpeni R, Shah R, Talwar A.

Cite Respir Med. 2017 Jul;128:65-69. doi: 10.1016/j.rmed.2017.05.006. Epub 2017 May 16.

PMID: 28610671 [Free article.](#) [Review.](#)

Share

Urothelial **carcinoma** (Transitional cell **carcinoma**) of the **bladder** is the pre-dominant histological type of **bladder cancer** in the United States and Europe. ...Pulmonary embolism and **tumor** embolism is another manifestation of this **cancer** ...

[Study of neoadjuvant **chemotherapy** for invasive **bladder cancer** with MEC (methotrexate, epirubicin, cisplatin) **therapy**].

42 Ohuchi H, Noguchi S, Takase K, Kawakami S, Ikeda I, Saito K, Yao M, Masuda M, Kubota Y, Hosaka M. Hinyokika Kyo. 2001 Apr;47(4):241-6.

Share

PMID: 11411097 [Free article.](#) [Japanese.](#)

Eighteen patients with locally invasive **bladder cancer** were treated with 1 or 2 cycles of neoadjuvant **chemotherapy** consisting of methotrexate, epirubicin and cisplatin (MEC). ...These results indicate that MEC **therapy** was safely performed and showed a ...

Development of Novel Aptamer-Based Targeted Chemotherapy for Bladder Cancer

Yao Wang ^{# 1 2}, Yang Zhang ^{# 2 3}, Peng-Chao Li ^{# 4}, Jiajie Guo ^{1 2}, Fan Huo ³, Jintao Yang ^{1 2}, Ru Jia ³, Juan Wang ⁵, Qiju Huang ³, Dan Theodorescu ^{6 7}, Hanyang Yu ^{1 2}, Chao Yan ^{2 3}

Affiliations [+ expand](#)

PMID: 35064018 PMCID: PMC8983122 DOI: 10.1158/0008-5472.CAN-21-2691

[Free PMC article](#)

Abstract

Bladder cancer is common worldwide, with most patients presenting with nonmuscle invasive disease. Multiple intravesical recurrences lead to reduced quality of life and high costs for patients with this form of bladder cancer. Intravesical chemotherapy aimed at reducing recurrence is the standard-of-care but has significant side effects from nonspecific cytotoxicity to normal urothelium. Importantly, toxicity limits doses that can be administered. Thus, tumor-specific drug targeting could reduce toxicity and enhance effectiveness by allowing higher doses. Here, using cell internalization systematic evolution of ligands by exponential enrichment (SELEX), we identify a novel bladder cancer-specific, chemically modified nucleic acid aptamer that can be preferentially internalized into tumor cells but not normal urothelial cells. The 35-nucleotide B1 aptamer is internalized into bladder cancer cells through clathrin-mediated endocytosis and macropinocytosis. As proof of principle, a B1-guided DNA nanotrains delivery vehicle for epirubicin was constructed as a targeted intravesical chemotherapy. The B1-nanotrains-epirubicin construct exhibited selective cytotoxicity towards bladder cancer cells and outperformed epirubicin in murine orthotopic xenograft models of human bladder cancer. This aptamer-based delivery system makes targeted chemotherapy possible for bladder cancer, providing a compelling rationale for clinical development.

Significance: These findings identify a bladder cancer-specific aptamer that can be used for targeted delivery of chemotherapy, potentially reducing toxicity and enhancing therapeutic efficacy.

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[PubMed Disclaimer](#)

Conflict of interest statement

Conflict of Interest Statement: Y.W., Y.Z. H.Y. and C.Y. are beneficiaries of a pending patent for the aptamers and delivery vehicles described in this manuscript. All other authors declare no potential conflicts of interest.

Figures



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PAGE NAVIGATION

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Abstract

Conflict of interest statement

Figures

Similar articles

Cited by

References

Publication types

MeSH terms

Substances

Related information

Grants and funding

LinkOut - more resources

高级检索

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PubMed®
User Guide

Add terms to the query box

All Fields **ADD**

Show Index

Query box

Advanced **Search**

History and Search Details Download Delete

Search	Actions	Details	Query	Results	Time
#1	...	>	Search: (" Bladder cancer " OR " Carcinoma of bladder " OR " Bladder carcinoma " OR " Bladder tumor ") AND (Chemical therapy OR Chemotherap*) Sort by: Publication Date	9,160	22:45:33

Showing 1 to 1 of 1 entries

Add terms to the query box

All Fields

Affiliation

All Fields

Author

Author - Corporate

Author - First

Author - Identifier

Author - Last

Book

"Bladder cancer"



ADD



Show Index

点击ADD

字段选择

Search



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User Guide

Add terms to the query box

All Fields



"Carcinoma of bladder"



选择
逻辑关系

点击OR

OR



Show Index

Query box

"bladder cancer"



Search



Add terms to the query box

All Fields

Enter a search term

OR

Show Index

Query box

("bladder cancer") OR ("Carcinoma of bladder")

点击SEARCH

Search

Add terms to the query box

All Fields

Enter a search term

AND

Show Index

Query box

#1 AND#2

也可以直接输入检索史中的记录编号

Search

History and Search Details

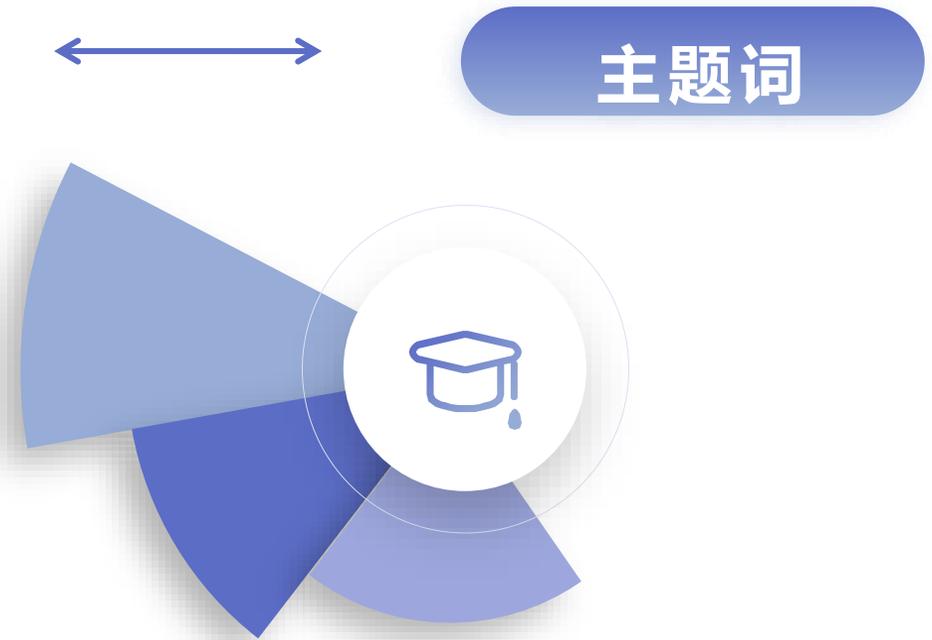
Download Delete

Search	Actions	Details	Query	Results	Time
#2	...	>	Search: (" Bladder cancer ") OR (" Carcinoma of bladder ") Sort by: Publication Date	42,177	22:48:48
#1	...	>	Search: (" Bladder cancer " OR " Carcinoma of bladder " OR " Bladder carcinoma " OR " Bladder tumor ") AND (Chemical therapy OR Chemotherap*) Sort by: Publication Date	9,160	22:45:33

Showing 1 to 2 of 2 entries

主题词检索

MeSH是**医学主题词****Medical Subject Headings**的**缩略词**，是用规范化的医学术语来描述生物医学概念，其中论述文献中心的主题词称**主要主题词**，论述主题某一方面的内容的词称为**副主题词**。



进入途径

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PubMed® comprises more
Citations may include links

PubMed Advanced Search

Add terms to the query box

All Fields

Issue

Journal

Language

Location ID

MeSH Major Topic

MeSH Subheading

MeSH Terms

Other Term

Pagination

Pharmacological Action



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MeSH

- All Databases
- Assembly
- Biocollections
- BioProject
- BioSample
- Books
- ClinVar
- Conserved Domains
- dbGaP
- dbVar
- Gene
- Genome
- GEO DataSets
- GEO Profiles
- GTR
- Identical Protein Groups
- MedGen
- MeSH
- NLM Catalog
- Nucleotide

NCBI Home

Resource List (A-Z)

All Resources

Chemicals & Bioassays

Data & Software

DNA & RNA

Domains & Structures

Genes & Expression

Genetics & Medicine

Genomes & Maps

Homology

Literature

Proteins

Sequence Analysis

Taxonomy

Training & Tutorials

Variation

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主题检索

MeSH

Create alert Limits Advanced

Summary ▾

主题词轮排表

Search results

Items: 3

- [Heart Failure](#)
 1. A heterogeneous condition in which the heart is unable to pump out sufficient blood to meet the metabolic need of the body. **Heart failure** can be caused by structural defects, functional abnormalities (VENTRICULAR DYSFUNCTION), or a sudden overload beyond its capacity. Chronic **heart failure** is more common than acute **heart failure** which results from sudden insult to cardiac function, such as MYOCARDIAL INFARCTION.
Year introduced: 2008 (1966)
- [Heart Failure, Diastolic](#)
 2. **Heart failure** caused by abnormal myocardial relaxation during DIASTOLE leading to defective cardiac filling.
Year introduced: 2008
- [Heart Failure, Systolic](#)
 3. **Heart failure** caused by abnormal myocardial contraction during SYSTOLE leading to defective cardiac emptying.
Year introduced: 2008

Summary ▾

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Add to search builder AND ▾

Search PubMed

YouTube Tutor

Find related data

Search details

"heart failure" [MeSH Terms] OR heart failure[Text Word]

Search

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See more

举例：

心力衰竭的
诊断或药物治疗

主题检索

MeSH

MeSH

Search

Help

主题词细节屏

Full

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Heart Failure

A heterogeneous condition in which the heart is unable to pump out sufficient blood to meet the body's needs. It can be caused by structural defects, functional abnormalities (VENTRICULAR DYSFUNCTION), or a sudden overload beyond its capacity. Chronic heart failure is more common than acute heart failure which results from sudden insult to cardiac function, such as MYOCARDIAL INFARCTION.

Year introduced: 2008 (1966)

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"/> surgery |
| <input type="checkbox"/> congenital | <input type="checkbox"/> history | <input type="checkbox"/> therapy |
| <input type="checkbox"/> diagnosis | <input type="checkbox"/> immunology | <input type="checkbox"/> urine |
| <input type="checkbox"/> diagnostic imaging | <input type="checkbox"/> metabolism | <input type="checkbox"/> veterinary |
| <input type="checkbox"/> diet therapy | <input type="checkbox"/> microbiology | <input type="checkbox"/> virology |
| <input type="checkbox"/> drug therapy | <input type="checkbox"/> mortality | |
| <input type="checkbox"/> economics | <input type="checkbox"/> nursing | |
| <input type="checkbox"/> embryology | <input type="checkbox"/> parasitology | |

主题词词义注释

副主题词选择

Restrict to MeSH Major Topic.

加权检索

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

扩展检索

Tree Number(s): C14.280.434

MeSH Unique ID: D006333

Entry Terms:

PubMed Search Builder

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Related information

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Heart Failure

MeSH

heart failure (3)

MeSH

副主题词

对一个主题词的多个方面进行修饰限定的词，又称限定词。目前有83个副主题词，但并非每个主题词都能和83个副主题词组配

★不选择副主题词时，默认相当于选择全部副主题词★

Entry Terms:

- Cardiac Failure
- Heart Decompensation
- Decompensation, Heart
- Heart Failure, Right-Sided
- Heart Failure, Right Sided
- Right-Sided Heart Failure
- Right Sided Heart Failure
- Myocardial Failure
- Congestive Heart Failure
- Heart Failure, Congestive
- Heart Failure, Left-Sided
- Heart Failure, Left Sided
- Left-Sided Heart Failure
- Left Sided Heart Failure

[All MeSH Categories](#)

[Diseases Category](#)

[Cardiovascular Diseases](#)

[Heart Diseases](#)

Heart Failure

[Cardio-Renal Syndrome](#)

[Dyspnea, Paroxysmal](#)

[Edema, Cardiac](#)

[Heart Failure, Diastolic](#)

[Heart Failure, Systolic](#)

入口词

树状结构

实例：心力衰竭的诊断或药物治疗

MeSH

MeSH

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Heart Failure

A heterogeneous condition in which the heart is unable to pump out sufficient blood to meet the metabolic need of the body. Heart failure can be caused by structural defects, functional abnormalities (VENTRICULAR DYSFUNCTION), or a sudden overload beyond its capacity. Chronic heart failure is more common than acute heart failure which results from sudden insult to cardiac function, such as MYOCARDIAL INFARCTION.

Year introduced: 2008 (1966)

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 checked="" type="checkbox"/> <u>diagnosis</u> | <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 checked="" type="checkbox"/> <u>drug therapy</u> | <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.

点击搜索生成器

点击搜索PubMed

PubMed Search Builder

("Heart Failure/diagnosis" [Mesh] OR
"Heart Failure/drug therapy" [Mesh])

Add to search builder AND

Search PubMed

YouTube Tutorial

Related information

PubMed

PubMed - Major Topic

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Heart Failure

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Save

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Display options

MY NCBI FILTERS

55,457 results



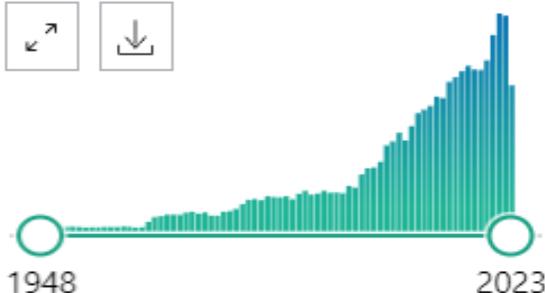
Page

1

of 5,546



RESULTS BY YEAR



TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

ARTICLE ATTRIBUTE

- Associated data

1 [October 2023 at a glance: From prevention to diagnosis, prognosis and treatment of acute decompensation and comorbidities.](#)

Cite Tomasoni D, Adamo M, Metra M.

Eur J Heart Fail. 2023 Oct;25(10):1719-1721. doi: 10.1002/ejhf.3070.

Share PMID: 37903656 No abstract available.

题录格式界面

2 [\[The STEP-HFpEF trial: proof of concept that phenotypic therapy in heart failure with preserved ejection fraction can really be a valid therapeutic solution?\].](#)

Cite Senni M, Sciatti E.

G Ital Cardiol (Rome). 2023 Nov;24(11):859-861. doi: 10.1714/4129.41226.

Share PMID: 37901974 Italian. No abstract available.

3 [Detecting transthyretin amyloid cardiomyopathy \(ATTR-CM\) using machine learning: an evaluation of the performance of an algorithm in a UK setting.](#)

Cite Tsang C, Huda A, Norman M, Dickerson C, Leo V, Brownrigg J, Mamas M, Elliott P.

BMJ Open. 2023 Oct 29;13(10):e070028. doi: 10.1136/bmjopen-2022-070028.

Share PMID: 37899155 **Free article.**

Add terms to the query box

All Fields

AND

Show Index

Query box

(("Heart Failure/diagnosis"[Mesh] OR "Heart Failure/drug therapy"[Mesh])) AND ("Ivabradine/therapeutic use"[Mesh])

Search

**伊伐布雷定治疗心力衰竭
逻辑组配 (#4 and #5)**

History and Search Details

Download Delete

Search	Actions	Details	Query	Results	Time
#5	...	>	Search: "Ivabradine/therapeutic use"[Mesh] Sort by: Most Recent	162	02:25:28
#4	...	>	Search: ("Heart Failure/diagnosis"[Mesh] OR "Heart Failure/drug therapy"[Mesh]) Sort by: Most Recent	52,577	02:21:53

建立检索式

如果有多个主题词，可以先分别对每个主题词进行检索，再在高级检索中用检索序号进行布尔逻辑运算，也可以通过主题词检索界面PubMed search直接建立检索式

PubMed Search Builder

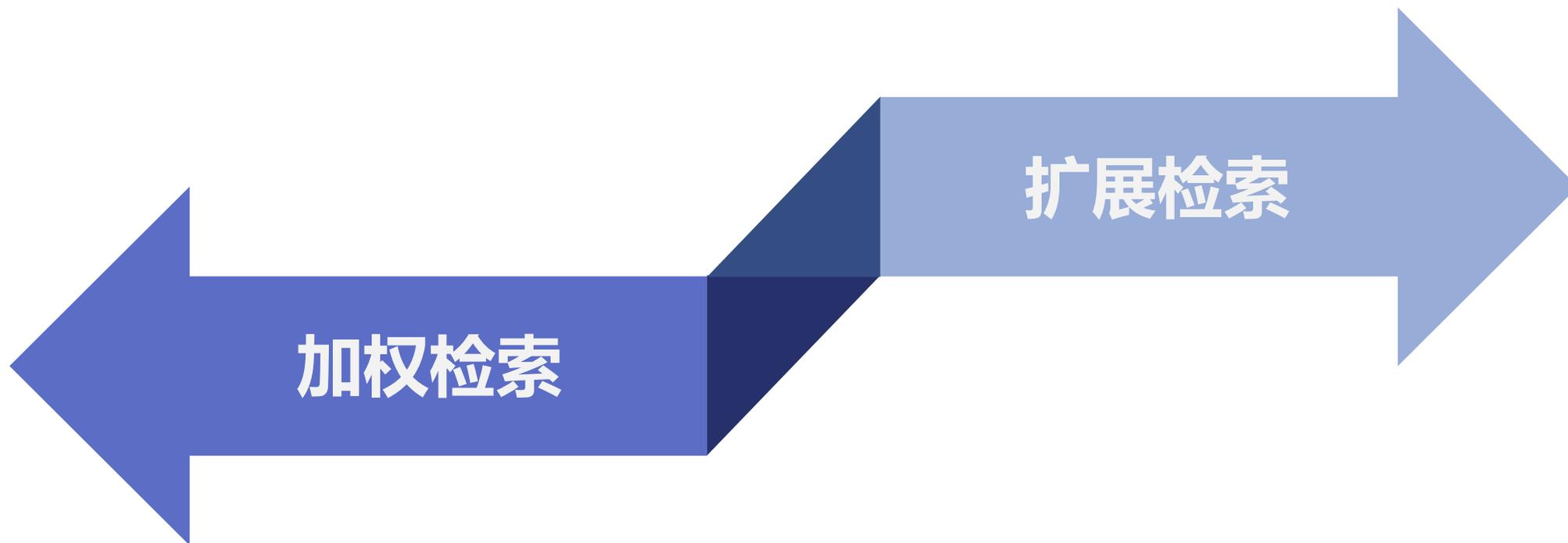
("Ivabradine/therapeutic use"[Mesh]) AND (("Heart Failure/diagnosis"[Mesh] OR "Heart Failure/drug therapy"[Mesh]))

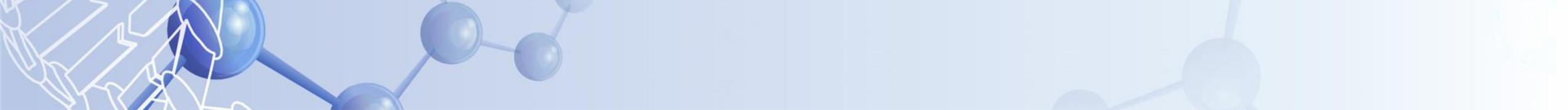
Add to search builder AND

Search PubMed

YouTube Tutorial

单击此处添加标题





利用拉米夫定治疗AIDS100例，其中10例同时患有HBV

拉米夫定/治疗应用
获得性免疫缺陷综合征/药物疗法
肝炎，乙型/药物疗法

利用拉米夫定治疗HBV100例，其中10例同时患有AIDS

拉米夫定/治疗应用
获得性免疫缺陷综合征/药物疗法
肝炎，乙型/药物疗法

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Heart Failure

A heterogeneous condition in which the heart is unable to pump out sufficient blood to meet the metabolic need of the body. Heart failure can be caused by structural defects, functional abnormalities (VENTRICULAR DYSFUNCTION), or a sudden overload beyond its capacity. Chronic heart failure is more common than acute heart failure which results from sudden insult to cardiac function, such as MYOCARDIAL INFARCTION.

Year introduced: 2008 (1966)

PubMed search builder options

[Subheadings:](#)

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

Restrict to MeSH Major Topic.

PubMed Search Builder

```
( "Heart Failure/diagnosis"[Majr] OR  
"Heart Failure/drug therapy"[Majr] )
```

Add to search builder

AND

Search PubMed

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Related information

[PubMed](#)

[PubMed - Major Topic](#)

[Clinical Queries](#)

[NLM MeSH Browser](#)

[dbGaP Links](#)

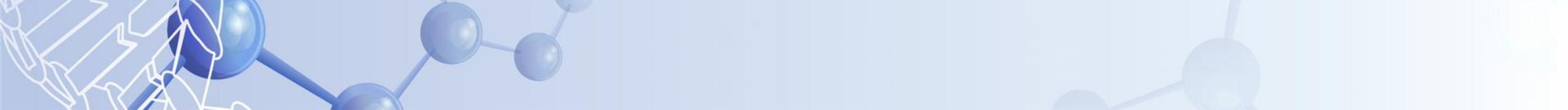
[MedGen](#)

Recent Activity

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

Heart Failure

MeSH



Search	Actions	Details	Query	Results	Time
#6	...	>	Search: ("Heart Failure/diagnosis" [Majr] OR "Heart Failure/drug therapy" [Majr]) Sort by: Most Recent	33,060	02:30:35
#4	...	>	Search: ("Heart Failure/diagnosis" [Mesh] OR "Heart Failure/drug therapy" [Mesh]) Sort by: Most Recent	52,577	02:21:53

All MeSH Categories

Diseases Category

Cardiovascular Diseases

Heart Diseases

Heart Failure

Cardio-Renal Syndrome

Dyspnea, Paroxysmal

Edema, Cardiac

Heart Failure, Diastolic

Heart Failure, Systolic

树状结构

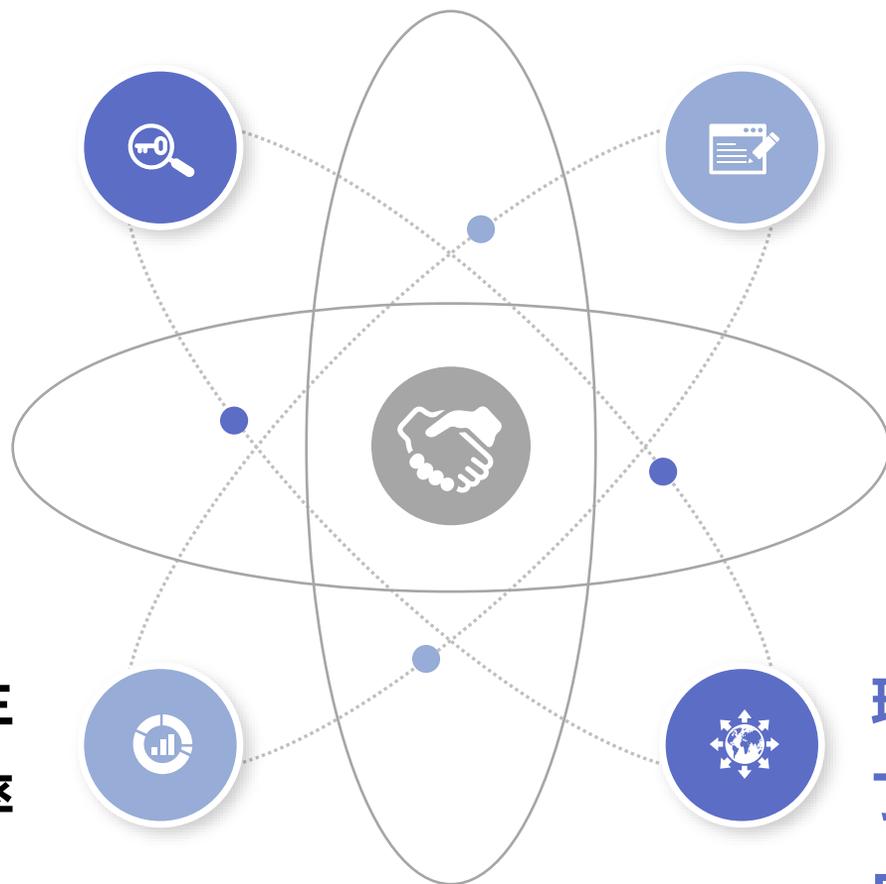
主题词等级排列，检索时可以将包含其下位词的文献都检索出来。

一个主题词可以同时处在不同类目下。

主题词检索的优点

树形结构中，主题词检索具有下位类词的扩展检索功能，提高查全率。

通过限定副主题词，检索更具有专指性。



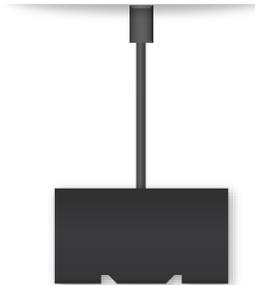
主题词加权检索限定主要主题词，提高查准率

理解词义和收入词表的时间，了解同义词，克服同一概念由于拼法不同或同义近义的疏漏导致的漏检或误检

主题词检索的缺点

- **人工标引费时，最新论文未标主题词用MeSH会漏检。**
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主题词与自由词的对比



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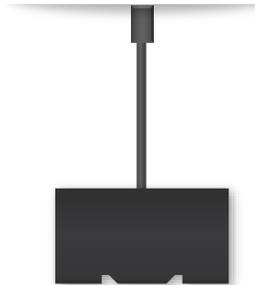
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可加权检索

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滞后于科研的发展



自由词

无需转换

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可检索到新词

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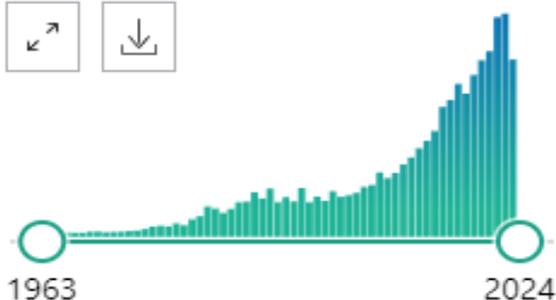
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RESULTS BY YEAR



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Full text

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Associated data

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- 限定只搜索包含摘要的文献

with muscle-invasive **bladder cancer**.

SA, Alimohamed NS, Blais N, Sridhar SS. 1585-020-00404-6. Epub 2021 Jan 11.

bladder cancer (MIBC) consists of cisplatin-based **therapy**, or local definitive **therapy** alone for

targeted **Chemotherapy for Bladder**

ang J, Huang Q, Theodorescu D, Yu H, Yan C.

Cancer Res. 2022 Mar 15;82(6):1128-1139. doi: 10.1158/0008-5472.CAN-21-2691.

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PUBLICATION DATE

- 1 year
- 5 years
- 10 years
- Custom Range

LANGUAGE

- English

Additional filters

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Clin Genitourin Cancer. 2019 Jun;17(3):216-222.e5. doi: 10.1016/j.clgc.2019.03.007. Epub 2019 Mar 25.
PMID: 31060857

INTRODUCTION: The objective of the study was to determine whether sarcopenia is associated with pathologic and survival outcomes for patients with muscle-invasive **bladder cancer** (MIBC) treated with neoadjuvant **chemotherapy** (NAC) followed by radical cystectomy ...



Hope and challenge: Precision medicine in **bladder cancer**.

5

Su H, Jiang H, Tao T, Kang X, Zhang X, Kang D, Li S, Li C, Wang H, Yang Z, Zhang J, Li C.

Cite

Cancer Med. 2019 Apr;8(4):1806-1816. doi: 10.1002/cam4.1979. Epub 2019 Mar 24.

PMID: 30907072 [Free PMC article.](#) [Review.](#)

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Bladder cancer (BC) is a complex disease and could be classified into nonmuscle-invasive BC (NMIBC) or muscle-invasive BC (MIBC) subtypes according to the distinct genetic background and clinical prognosis. ...Meanwhile, the minimally invasive precision treatment te ...



The efficacy of Apaziquone in the treatment of **bladder cancer**.

6

Caramés Masana F, de Reijke TM.

ARTICLE TYPE

SPECIES

ARTICLE LANGUAGE

SEX

AGE

OTHER

Child: birth-18 years

Adult: 19+ years

Newborn: birth-1 month

Young Adult: 19-24 years

Infant: birth-23 months

Adult: 19-44 years

Infant: 1-23 months

Middle Aged + Aged: 45+ years

Preschool Child: 2-5 years

Middle Aged: 45-64 years

Child: 6-12 years

Aged: 65+ years

Adolescent: 13-18 years

80 and over: 80+ years

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实例：老年女性膀胱癌的化疗



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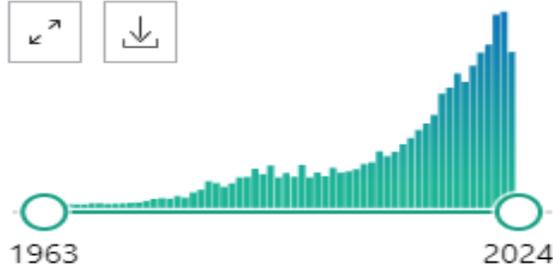
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RESULTS BY YEAR



TEXT AVAILABILITY

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ARTICLE ATTRIBUTE

- Associated data



Defining cisplatin eligibility in patients with muscle-invasive **bladder cancer**.

1

Jiang DM, Gupta S, Kitchlu A, Meraz-Munoz A, North SA, Alimohamed NS, Blais N, Sridhar SS.

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Nat Rev Urol. 2021 Feb;18(2):104-114. doi: 10.1038/s41585-020-00404-6. Epub 2021 Jan 11.

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The current treatment paradigm for muscle-invasive **bladder cancer** (MIBC) consists of cisplatin-based neoadjuvant **chemotherapy** followed by local definitive **therapy**, or local definitive **therapy** alone for cisplatin-ineligible patients. ...Cisplatin ...



Development of Novel Aptamer-Based Targeted **Chemotherapy** for **Bladder Cancer**.

2

Wang Y, Zhang Y, Li PC, Guo J, Huo F, Yang J, Jia R, Wang J, Huang Q, Theodorescu D, Yu H, Yan C.

Cite

Cancer Res. 2022 Mar 15;82(6):1128-1139. doi: 10.1158/0008-5472.CAN-21-2691.

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SPECIES

ARTICLE LANGUAGE

SEX

AGE

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ARTICLE TYPE

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- Infant: birth-23 months
- Infant: 1-23 months
- Preschool Child: 2-5 years
- Child: 6-12 years
- Adolescent: 13-18 years
- Adult: 19+ years
- Young Adult: 19-24 years
- Adult: 19-44 years
- Middle Aged + Aged: 45+ years
- Middle Aged: 45-64 years
- Aged: 65+ years
- 80 and over: 80+ years

SPECIES

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AGE

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LANGUAGE

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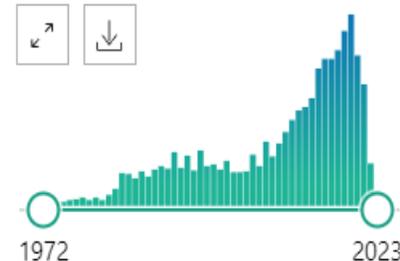
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Bladder Cancer: Diagnosis and Treatment.

1

DeGeorge KC, Holt HR, Hodges SC.

Cite

Am Fam Physician. 2017 Oct 15;96(8):507-514.

PMID: 29094888

[Free article.](#)

[Review.](#)

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Bladder cancer is the sixth most prevalent malignancy in the United States and causes more than 16,000 deaths annually. ...No major organization recommends screening asymptomatic adults for **bladder cancer**, and the U.S. Preventive Services Task F ...



Updated Results of PURE-01 with Preliminary Activity of Neoadjuvant Pembrolizumab in Patients with Muscle-invasive Bladder Carcinoma with Variant Histologies.

2

Cite

Necchi A, Raggi D, Gallina A, Madison R, Colecchia M, Lucianò R, Montironi R, Giannatempo P, Farè E, Pederzoli F, Bandini M, Bianchi M, Colombo R, Gandaglia G, Fossati N, Marandino L, Capitanio U, Dehò F, Ali SM, Chung JH, Ross JS, Salonia A, Briganti A, Montorsi F.

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Eur Urol. 2020 Apr;77(4):439-446. doi: 10.1016/j.eururo.2019.10.026. Epub 2019 Nov 8.

PMID: 31708296

[Clinical Trial.](#)

BACKGROUND: Patients with predominant variant histology (VH) of **bladder** tumors, defined as involving >50 % of the **tumor** specimens, are typically excluded from clinical trials, and for these patients, the

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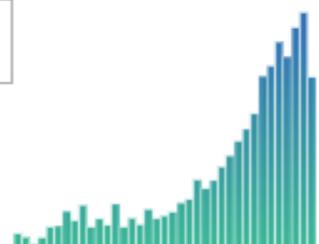
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adder cancer cells.

& McConkey DJ, Bivalacqua TJ.

9(3):149-151. doi: 10.4111/icu.2018.59.3.149. Epub 2018 Apr 30.

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1. PMID: 29744470

Organoid culture of bladder cancer cells.

Yoshida T, Singh AK, Bishai WR, McConkey DJ, Bivalacqua TJ.

Investig Clin Urol. 2018 May;59(3):149-151. doi: 10.4111/icu.2018.59.3.149. Epub 2018 Apr 30.

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Frequency: Weekly

Country of Publication: England

Publisher: London : J. Onwhyn

Latest Publisher: 2004- : London : Elsevier

Description: v. ill., ports.

Language: English

ISSN: 0140-6736 (Print)
1474-547X (Electronic)
0140-6736 (Linking)

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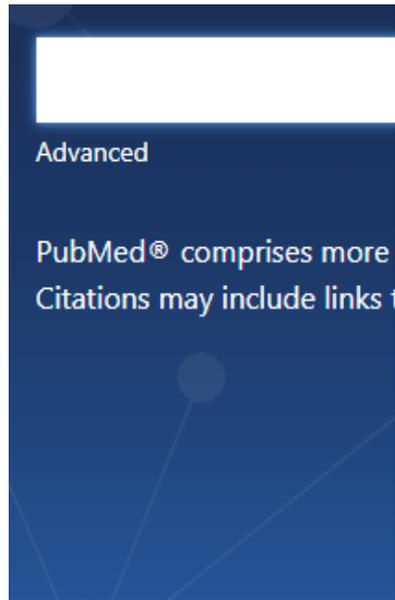


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Filter



See [Clinical Queries filter details](#).

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Returns more results: less specific, but more comprehensive. See [filter details](#).

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- Associated data

9,560 results

结果排序方式

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每页显示记录数



Defining cisplatin

1

Jiang DM, Gupta S, Kitchin A, Iyeraz-Munoz A, North SA, Ali

Cite

Nat Rev Urol. 2021 Feb;18(2):104-114. doi: 10.1038/s41585-

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PMID: 33432181 Review

The current treatment

neoadjuvant **chemotherapy** followed by local definitive **therapy**, or local

cisplatin-ineligible patients. ...Cisplatin ...



Development of Novel Aptamer-Based Targeted **Chemotherapy** for **Bladder Cancer**.

2

Cite

Wang Y, Zhang Y, Li PC, Guo J, Huo F, Yang J, Jia R, Wang J, Huang Q, Theodorescu D, Yu H, Yan C.

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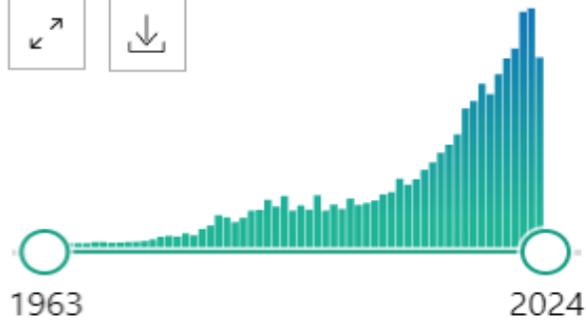


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Defining cisplatin eligibility in patients with muscle-invasive **bladder cancer**.

1

Jiang DM, Gupta S, Kitchlu A, Meraz-Munoz A, North SA, Alimohamed NS, Blais N, Sridhar SS.

Cite

Nat Rev Urol. 2021 Feb;18(2):104-114. doi: 10.1038/s41585-020-00404-6. Epub 2021 Jan 11.

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The current treatment paradigm for muscle-invasive **bladder cancer** (MIBC) consists of cisplatin-based neoadjuvant **chemotherapy** followed by local definitive **therapy**, or local definitive **therapy** alone for cisplatin-ineligible patients. ...Cisplatin ...



Development of Novel Aptamer-Based Targeted **Chemotherapy** for **Bladder Cancer**.

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Cite

Wang Y, Zhang Y, Li PC, Guo J, Huo F, Yang J, Jia R, Wang J, Huang Q, Theodorescu D, Yu H, Yan C.

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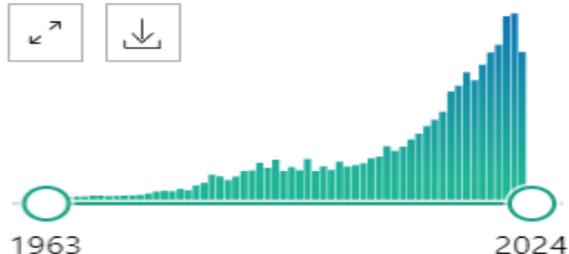


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1

[Case Reports](#) > [JCEM Case Rep. 2023 Aug 9;1\(4\):luad092. doi: 10.1210/jcemcr/luad092. eCollection 2023 Jul.](#)

Enfortumab Vedotin-induced Hyperglycemia and Ileal Conduit Reconstruction-induced Metabolic Acidosis

Takaaki Sato¹, Hiroshi Suzuki¹, Yuya Asashima¹, Hirohito Sone¹

Affiliations + expand

PMID: 37909003 PMCID: PMC10580417 DOI: 10.1210/jcemcr/luad092

Abstract

We report a 76-year-old man who was treated for hyperglycemia and metabolic acidosis after chemotherapy with enfortumab vedotin and pembrolizumab administered after his surgery for bladder cancer. He had an approximately 20-year history of diabetes. His body mass index was 18.6, and he received metformin 1000 mg/day, sitagliptin 50 mg/day, mitiglinide 30 mg/day, and voglibose 0.6 mg/day with hemoglobin A1c was approximately 7%. He underwent total cystectomy and ileal conduit reconstruction. After relapse, he received chemotherapy but later developed hyperglycemia and metabolic acidosis. His hyperglycemia was caused by enfortumab vedotin, and metabolic acidosis was attributable to the ileocecal canal. These symptoms should be remembered as important

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/ - 357
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/ - 2017 Jul 14
/ - When an emerging disease becomes endemic.
/ - 156-158
/ID - 10.1126/science.aam8333 [doi]
/ - Epidemics, such as HIV in the early 1980s and Ebola in 2014, inspire decisive
government investment and action, and individual and societal concern, sometimes
bordering on panic. By contrast, endemic diseases, such as HIV in 2017 and
tuberculosis, struggle to maintain the same attention. For many, the paradox is that
endemic disease, in its totality, continues to impose a far higher public health
burden than epidemic disease. Overall, the swift political response to epidemics has
resulted in success. It has proven possible to eradicate epidemic diseases, often
without the availability of vaccines and other biomedical technologies. In recent
times, only HIV has made the transition from epidemic to endemic, but diseases that
have existed for centuries continue to cause most of the infectious disease burden.
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J - Medley GF
IID- ORCID: 0000-0002-0030-7278
/ - Department of Global Health and Development, London School of Hygiene and Tropical
Medicine, WC1E 7HT London, UK. graham.medley@lshtm.ac.uk.
AU - Vassall, Anna
J - Vassall A
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> Am J Trop Med Hyg. 2010 May;82(5):930-6. doi:

Japanese encephalitis in travelers from non-endemic countries, 1973-2008

Susan L Hills¹, Anne C Griggs, Marc Fischer

Affiliations — collapse

通过Email方式向作者申请索要全文

Affiliation

- 1 Arboviral Diseases Branch, Division of Vector-Borne Infectious Diseases, National Center for Zoonotic, Vector-Borne and Enteric Diseases, Centers for Disease Control and Prevention, 3150 Rampart Road, Fort Collins, CO 80521, USA. A.shills@cdc.gov

PMID: 20439978 PMCID: PMC2861377 DOI: 10.4269/ajtmh.2010.09-0676

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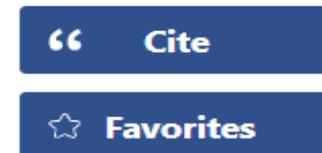
Abstract

Japanese encephalitis (JE) is a severe disease and a risk for travelers who visit JE-endemic countries. We reviewed all published JE cases in travelers from non-endemic areas from 1973 through 2008, and

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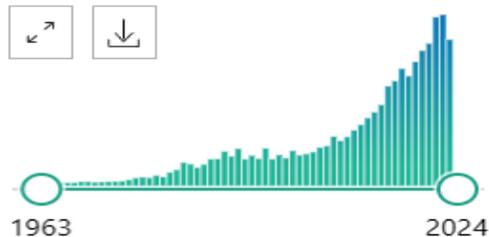


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B1 B2 B3 B4

影响因子

Min

0

Max

0

TEXT AVAILABILITY

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Page 1 of 961

Defining cisplatin eligibility in patients with muscle-invasive bladder cancer.

1

Cite Jiang DM, Gupta S, Kitchlu A, Meraz-Munoz A, North SA, Alimohamed NS, Blais N, Sridhar SS. Nat Rev Urol. 2021 Feb;18(2):104-114. doi: 10.1038/s41585-020-00404-6. Epub 2021 Jan 11.

Share PMID: 33432181 Review.

The current treatment paradigm for muscle-invasive **bladder cancer** (MIBC) consists of cisplatin-based neoadjuvant **chemotherapy** followed by local definitive **therapy**, or local definitive **therapy** alone for cisplatin-ineligible patients. ...Cisplatin ... 摘要



Q1

IF: 15.3

被引用: 23

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关于&反馈

Management of Muscle-invasive Bladder Cancer in the 2020s: Challenges and Perspectives.

2

Cite Gakis G.

Share Eur Urol Focus. 2020 Jul 15;6(4):632-638. doi: 10.1016/j.euf.2020.01.007. Epub 2020 Jan 25. PMID: 31987763 Review.

Despite an increased use of neoadjuvant and adjuvant **chemotherapy**, the long-term survival rates after radical cystectomy or trimodal **therapy** (TMT) for muscle-invasive **bladder cancer** (MIBC) remain basically unchanged for decades. ...The extent of transu ... 摘要



Q1

IF: 5.4

被引用: 24

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关于&反馈

The efficacy of Apaziquone in the treatment of bladder cancer.

3

Cite Caramés Masana F, de Reijke TM.

Expert Opin Pharmacother. 2017 Nov;18(16):1781-1788. doi: 10.1080/14656566.2017.1392510. Epub

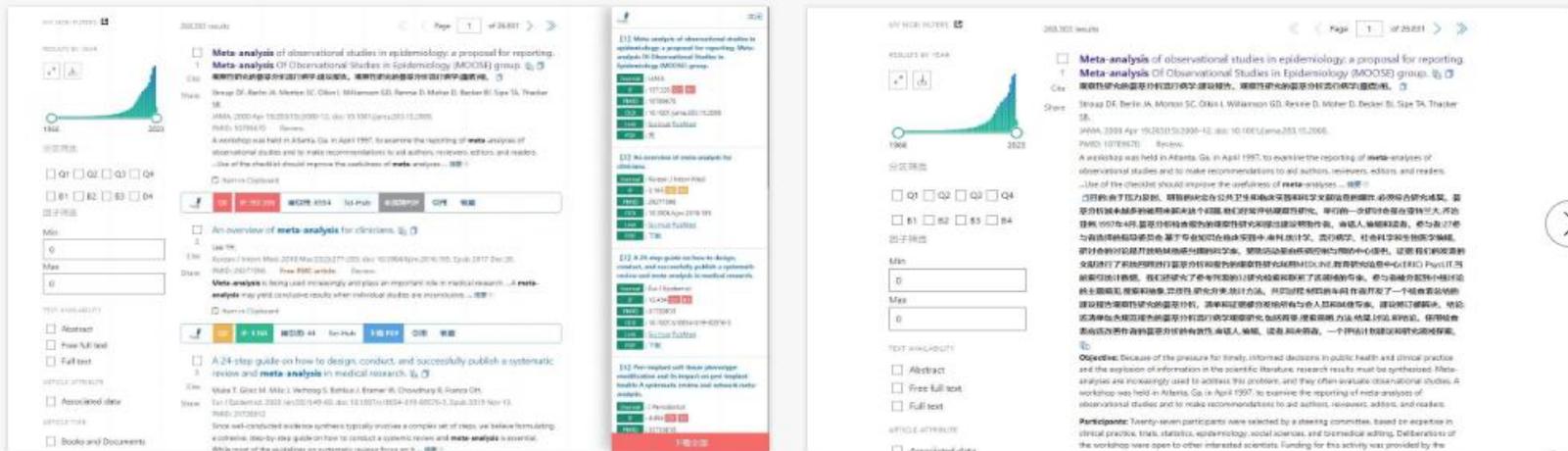
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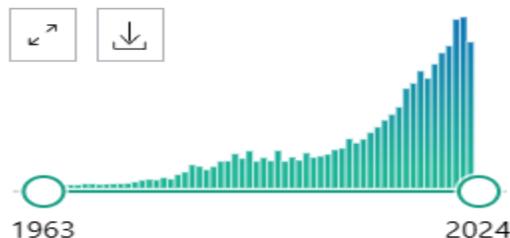
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Min

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Max

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Q1

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Bladder tumor-targeted delivery of pro-apoptotic peptide for **cancer therapy**.

Cite Jung HK, Kim S, Park RW, Park JY, Kim IS, Lee B.

Share J Control Release. 2016 Aug 10;235:259-267. doi: 10.1016/j.jconrel.2016.06.008. Epub 2016 Jun 7. PMID: 27282414

Targeted **therapy** for **bladder cancer** could improve therapeutic efficacy and reduce side effects. ...These results suggest that Bld-1-KLA is a promising therapeutic agent for targeted **therapy** of **bladder cancer**.... 摘要



Q1

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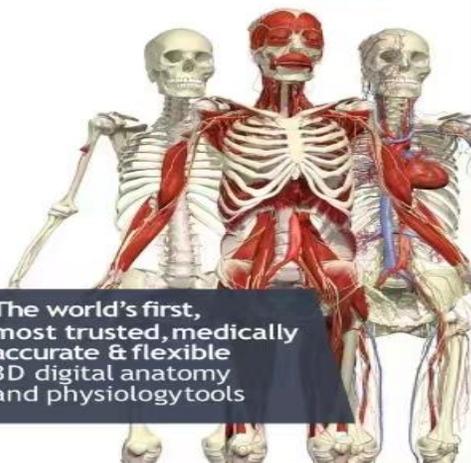
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