

第16回医学図書館研究会・継続教育コース

文献検索講習中級編
～こわくないシソーラス～

— PubMed編 —

静岡県立静岡がんセンター医学図書館

山崎 むつみ

サーチャー1級

ライフサイエンス情報専門員 上級

目的・到達点

□目的

- PubMedのシソーラス: MeSHを使って簡単な検索ができる

□到達点

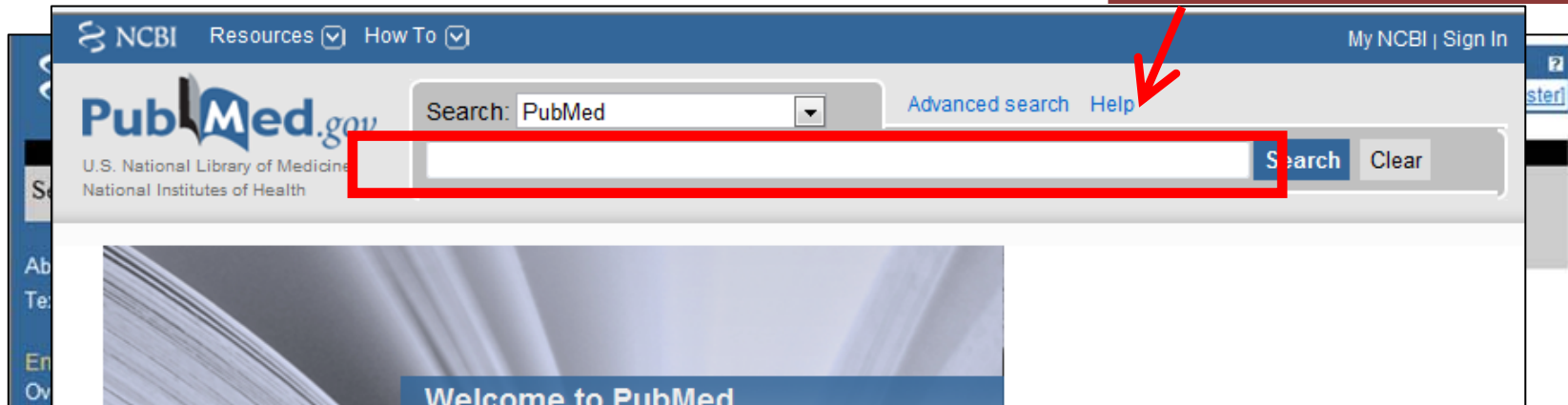
- MeSHが何であると言える
- 適切なMeSHを調べる時にはどこをみればよいかわかる
- 検索にMeSHが必要である理由がわかる
- MeSHでの検索における注意点がわかる
- PubMedでの実際の操作がわかる

PubMed検索 基礎の確認

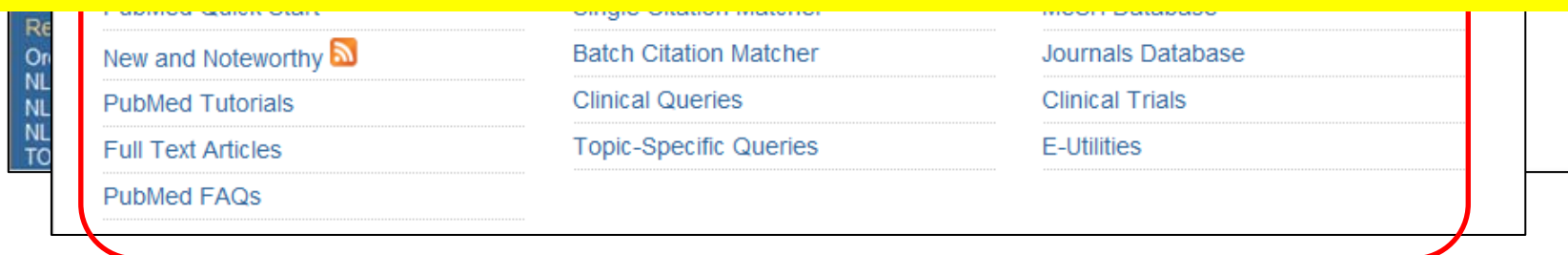
- ◆ Search Box は
マジックボックス
- ◆ 検索結果を表示
- ◆ Advanced Search 画面 で
絞り込み、履歴確認

PubMed最初の画面

サーチボックス



トップページは
平成22年2月3日に
変更になっています。



サーチボックス

平成22年2月3日よりLimitsリンクが追加になっています。

Search: PubMed

[Advanced search](#) [Help](#) [Feedback](#)

コトバを入力して ボタンをクリック

- 大文字／小文字の区別なし
- 論理演算子(AND OR NOT)も使える
- スペースで区切ってコトバを並べるとANDと同じ
- “ ”でフレーズ検索
- 著者名、雑誌名、ISSN、PMID検索も可能

検索結果画面

平成22年2月3日よりLimitsリンクが追加になっています。

NCBI Resources How To

PubMed.gov
U.S. National Library of Medicine
National Institutes of Health

Search: PubMed
intestinal neoplasm

RSS Save search Advanced search Help

Search Clear

Display Settings: Summary, 20 per page, Sorted by Recently Added

Send to: Filter your results: All (146016)

Choose Destination

- ☐ File
- ☐ Clipboard
- ☐ Collections
- ☐ E-mail
- ☐ Order

Format Items per page Sort by

- ☒ Summary
- ☐ Summary (text)
- ☐ Abstract
- ☐ Abstract (text)
- ☐ MEDLINE
- ☐ XML
- ☐ PMID List

- ☐ 5
- ☐ 10
- ☒ 20
- ☐ 50
- ☐ 100
- ☐ 200

- ☒ Recently Added
- ☐ Pub Date
- ☐ First Author
- ☐ Last Author
- ☐ Journal
- ☐ Title

Apply

gastro intestinal neoplasm

small intestinal neoplasm

Titles with your search terms

- ▶ Aberrant expression of CDX2 is closely related to the **intestinal** metaplasia in [Lab Invest. 2004]
- ▶ Low-grade mucinous epithelial **neoplasm** (**intestinal** type) arising in a [Hum Pathol. 2008]
- ▶ Effects of **intestinal** bacteria on the development of colonic [Eur J Cancer Prev. 1999]

» See more...

9411 free full-text articles in PubMed Central

- ▶ A Case Report of Intraductal Papillary-Mucinous **Neoplasm** of the Pancreas Show [J Oncol. 2009]
- ▶ Ileal intussusception secondary to both lipoma and angiolipoma: a case report. [Cases J. 2009]
- ▶ A rare case of periampullary carcinoma with ectopic ending of [World J Gastroenterol. 2009]

» See all (9411)

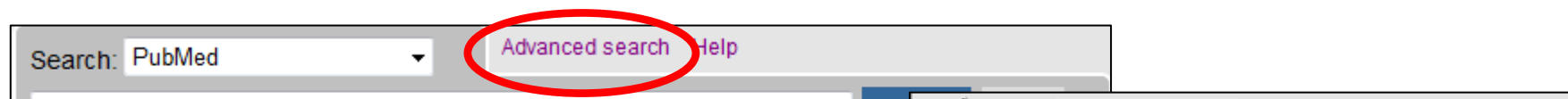
PMID: 19842249 [PubMed - indexed for MEDLINE]
[Related articles](#)

3. [A Case Report of Intraductal Papillary-Mucinous Neoplasm of the Pancreas Showing Morphologic Transformation during Followup Periods.](#)
Sanada Y, Osada S, Tanaka Y, Tokuyama Y, Yoshida K.
J Oncol. 2009;2009:373465. Epub 2009 Oct 15.
PMID: 19841679 [PubMed - in process]
[Related articles](#) [Free article](#)

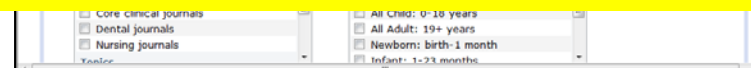
4. [Association of polymorphisms in regulatory regions of interleukin-12p40 gene and cytokine serum level with colorectal cancer.](#)
Miteva L, Stanilov N, Deliyasky T, Mintchev N, Stanilova S.
Cancer Invest. 2009 Nov;27(9):924-31.
PMID: 19832040 [PubMed - indexed for MEDLINE]
[Related articles](#)

5. [Ileal intussusception secondary to both lipoma and angiolipoma: a case report.](#)
Aminian A, Noaparast M, Mirsharifi R, Bodaghabadi M, Mardany O, Ali FA, Karimian F, Toolabi K.

絞り込み、Limits、History(履歴)は Advanced Search から



Advance Searchページは
平成22年2月3日に
変更になっています。
Limitsページが
独立ページになりました。



Limitで絞り込み(固定)

平成22年2月3日に
Limitsページとして独立しました。
項目に追加がありました。
使い方は同じです。

①チェックを
入れる

The screenshot shows the 'Limits' search interface with several filter categories. The 'Type of Article' section has a red circle around the 'Meta-Analysis' checkbox, which is checked. The 'Search' button at the bottom right is also circled in red. Other filter categories include 'Humans or Animals', 'Gender', 'Languages', 'Subsets', and 'Ages'.

Filter Category	Options
Humans or Animals	<input type="checkbox"/> Humans <input type="checkbox"/> Animals
Gender	<input type="checkbox"/> Male <input type="checkbox"/> Female
Type of Article	<input type="checkbox"/> Clinical Trial <input type="checkbox"/> Editorial <input checked="" type="checkbox"/> Letter <input checked="" type="checkbox"/> Meta-Analysis <input type="checkbox"/> Practice Guideline
Languages	<input type="checkbox"/> English <input type="checkbox"/> French <input type="checkbox"/> German <input type="checkbox"/> Italian <input type="checkbox"/> Japanese
Subsets	<input type="checkbox"/> Core clinical journals <input type="checkbox"/> Dental journals <input type="checkbox"/> Nursing journals
Ages	<input type="checkbox"/> All Infant: birth-23 months <input type="checkbox"/> All Child: 0-18 years <input type="checkbox"/> All Adult: 19+ years <input type="checkbox"/> Newborn: birth-1 month <input type="checkbox"/> Infant: 1-23 months

②Search
をクリック

Limitsのかかった検索結果画面

平成22年2月3日に
Limits制限の表示場所の変更
がありました。

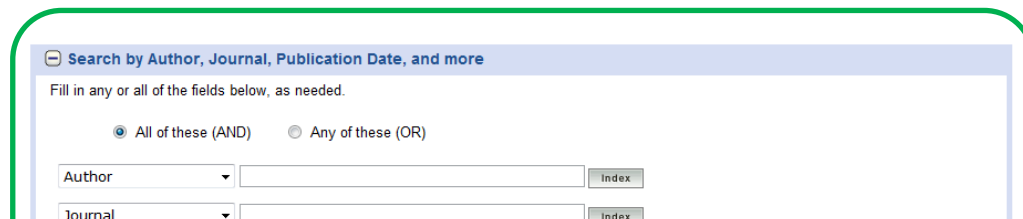
2. Oba K, Kobayashi M, Matsui T, Kodera Y, Sakamoto
Anticancer Res. 2009 Jul;29(7):2739-45.
PMID: 19596954 [PubMed - indexed for MEDLINE]
[Related articles](#)



Limits Activated: Meta-Analysis

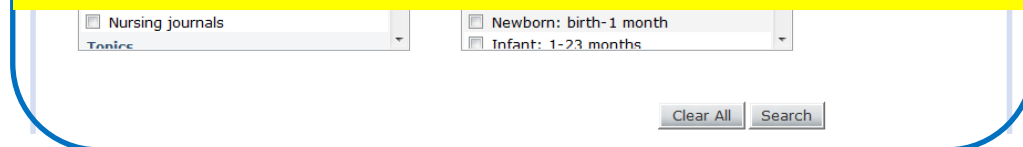
[Change](#) [Remove](#)

絞り込み > Limits



検索ごとの

Advance Searchページは
平成22年2月3日に
項目変更になっています。
Limitsページが
独立ページになりました。



History (履歴)

Search: PubMed **Advanced search** Help

gastric cancer

PubMed.gov
U.S. National Library of Medicine
National Institutes of Health

Search: PubMed Details Help

breast cancer Search Preview Clear

Advanced Search

Search History

- Search History will be lost after eight hours of inactivity.
- Search numbers may not be continuous; all searches are represented.
- To save search indefinitely, click query # and select Save in My NCBI.
- To combine searches use #search, e.g., #2 AND #3 or click query # for more options.

Search	Most Recent Queries	Time	Result
#4	Search breast cancer	01:42:25	206261
#3	Search angiogenesis inhibitors	01:41:13	40848
#1	Search gastric cancer	01:39:45	78761

Clear History

#番号:
PubMed検索だけではない

☐ Clinical Trial
☐ Editorial
☐ Letter
☐ Meta-Analysis
☐ Practice Guideline

☐ English
☐ French
☐ German
☐ Italian
☐ Japanese

Subsets CLEAR

Journal Groups

☐ Core clinical journals
☐ Dental journals
☐ Nursing journals

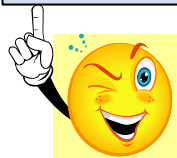
Ages CLEAR

☐ All Infant: birth-23 months
☐ All Child: 0-18 years
☐ All Adult: 19+ years
☐ Newborn: birth-1 month
☐ Infant: 1-23 months

Historyで確認

Search	Most Recent Queries	Time	Result
#8	Search #3 AND #4	02:28:51	1241
#7	Search #3 AND #4 Limits: Meta-Analysis	02:27:49	1
#6	Search gastric cancer Limits: Meta-Analysis	02:12:43	194
#1	Search gastric cancer	01:49:13	78761
#4	Search breast cancer	01:42:25	206261

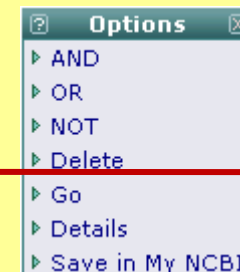
[More History](#) [Clear History](#)



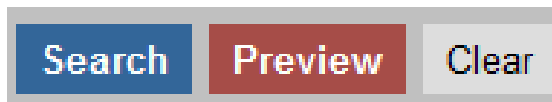
履歴を消したいとき(履歴は8時間で消去)

➤ Clear History は 表示されている履歴のみ消去。
(#番号は継続することもあり)

➤ 検索結果 1つだけなら→ #番号を左クリック
Delete を選択。



➤ 履歴番号から全部消去なら、
ツール→インターネットオプション→削除 →Cookieの削除



Advanced Searchを続けるならば・・・

NCBI Resources How To My NCBI Sign In

PubMed.gov U.S. National Library of Medicine National Institutes of Health

Search: PubMed intestinal neoplasm

Search Clear

Display Settings: Summary, 20 per page, Sorted by Recently Added

Results: 1 to 20 of 146016

1. [Prognostic factors for mature natural killer \(NK\) cell neoplasms: aggressive NK cell leukemia and extranodal NK cell lymphoma, nasal type.](#)
Suzuki R, Suzumiya Y, Yamaguchi M, Nakamura S, Kameoka J, Kojima H, Abe M, Kinoshita T, Yoshino T, Iwatsuki K, Kagami Y, Tsuzuki T, Kurokawa M, Ito K, Kawa K, Oshimi K, for The NK-cell Tumor Study Group.
Ann Oncol. 2009 Oct 22. [Epub ahead of print]
PMID: 19850638 [PubMed - as supplied by publisher]
[Related articles](#)

2. [Capsule endoscopy versus colonoscopy.](#)
Hsu CS, Kao JH.
N Engl J Med. 2009 Oct 15;361(16):1608; author reply 1609-10. No abstract available.
PMID: 19842249 [PubMed - indexed for MEDLINE]
[Related articles](#)

3. [A Case Report of Intraductal Papillary-Mucinous Neoplasm of the Pancreas Showing Morphologic Transformation during Followup Periods.](#)
Sanada Y, Osada S, Tanaka Y, Tokuyama Y, Yoshida K.
J Oncol. 2009;2009:373465. Epub 2009 Oct 15.
PMID: 19841679 [PubMed - in process]
[Related articles](#) [Free article](#)

4. [Association of polymorphisms in regulatory regions of interleukin-12p40 gene and cytokine serum level with colorectal cancer.](#)
Miteva L, Stanilov N, Deliyasky T, Mintchev N, Stanilova S.
Cancer Invest. 2009 Nov;27(9):924-31.
PMID: 19832040 [PubMed - indexed for MEDLINE]
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5. [Ileal intussusception secondary to both lipoma and angiolipoma: a case report.](#)
Aminian A, Noaparast M, Mirsharifi R, Bodaghabadi M, Mardany O, Ali FA, Karimian F, Toolabi K.

Filter your results:
All (146016)
[Review \(16442\)](#)
[Free Full Text \(24695\)](#)
[Manage Filters](#)

Also try:
gastro intestinal neoplasm
small intestinal neoplasm

Titles with your search terms:
Aberrant expression of CDX2 is closely related to the intestinal metaplasia a[Lab Invest. 2004]
Low-grade mucinous epithelial neoplasm (intestinal type) arising in a l[Hum Pathol. 2008]
Effects of intestinal bacteria on the development of colon[Eur J Cancer Prev. 1999]
See more...

9411 free full-text articles in PubMed Central
A Case Report of Intraductal Papillary-Mucinous Neoplasm of the Pancreas Sho[J Oncol. 2009]
Ileal intussusception secondary to both lipoma and angiolipoma: a case report. [Cases J. 2009]
A rare case of peripampular carcinoma with ectopic ending of v[World J Gastroenterol. 2009]
See all (9411)

PubMed.gov U.S. National Library of Medicine National Institutes of Health

Search: PubMed breast cancer

Search Preview Clear

Advanced Search

Search History

- Search History will be lost after eight hours of inactivity.
- Search numbers may not be continuous; all searches are represented.
- To save search indefinitely, click query # and select Save in My NCBI.
- To combine searches use #search, e.g., #2 AND #3 or click query # for more options.

Search	Most Recent Queries	Time	Result
#4	Search breast cancer	01:42:25	206261
#3	Search angiogenesis inhibitors	01:41:13	40848
#1	Search gastric cancer	01:39:45	78761

[Clear History](#)

Search by Author, Journal, Publication Date, and more

Limit by Topics, Languages, and Journal Groups

Full Text, Free Full Text, and Abstracts [CLEAR](#)

☐ Links to full text ☐ Links to free full text ☐ Abstracts

Humans or Animals [CLEAR](#)

☐ Humans ☐ Animals

Gender [CLEAR](#)

☐ Male ☐ Female

Type of Article [CLEAR](#)

☐ Clinical Trial ☐ Editorial ☐ Letter ☐ Meta-Analysis ☐ Practice Guideline

Languages [CLEAR](#)

☐ English ☐ French ☐ German ☐ Italian ☐ Japanese

Subsets [CLEAR](#)

Journal Groups

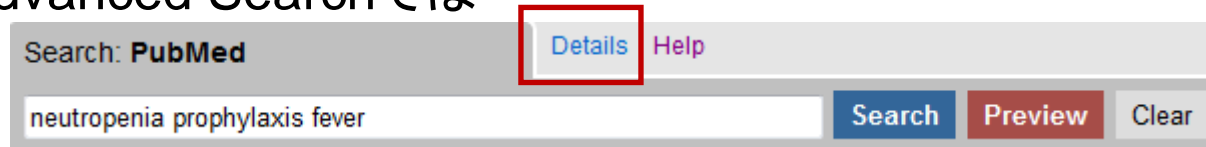
☐ Core clinical journals ☐ Dental journals ☐ Nursing journals ☐ Toxicology

Ages [CLEAR](#)

☐ All Infant: birth-23 months ☐ All Child: 0-18 years ☐ All Adult: 19+ years ☐ Newborn: birth-1 month ☐ Infant: 1-23 months

サーチボックスの裏側では Details

Advanced Searchでは



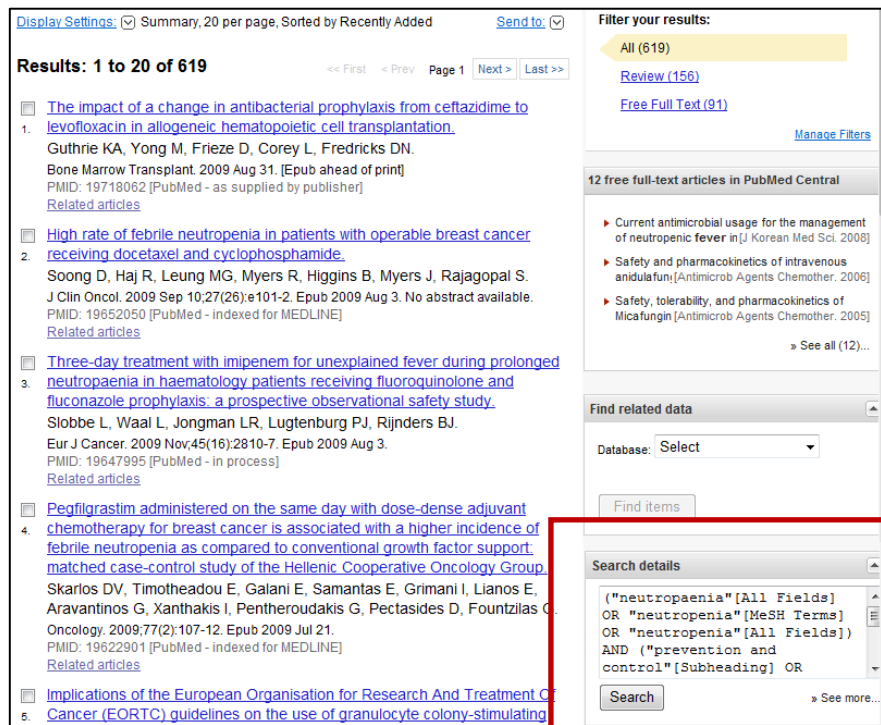
Search: PubMed

neutropenia prophylaxis fever

Details Help

Search Preview Clear

Search の検索結果画面にも....



Display Settings: Summary, 20 per page, Sorted by Recently Added

Results: 1 to 20 of 619

1. [The impact of a change in antibacterial prophylaxis from ceftazidime to levofloxacin in allogeneic hematopoietic cell transplantation.](#)
Guthrie KA, Yong M, Frieze D, Corey L, Fredricks DN.
Bone Marrow Transplant. 2009 Aug 31. [Epub ahead of print]
PMID: 19718062 [PubMed - as supplied by publisher]
[Related articles](#)

2. [High rate of febrile neutropenia in patients with operable breast cancer receiving docetaxel and cyclophosphamide.](#)
Soong D, Haj R, Leung MG, Myers R, Higgins B, Myers J, Rajagopal S.
J Clin Oncol. 2009 Sep 10;27(26):e101-2. Epub 2009 Aug 3. No abstract available.
PMID: 19652050 [PubMed - indexed for MEDLINE]
[Related articles](#)

3. [Three-day treatment with imipenem for unexplained fever during prolonged neutropaenia in haematology patients receiving fluoroquinolone and fluconazole prophylaxis: a prospective observational safety study.](#)
Slobbe L, Waai L, Jongman LR, Lugtenburg PJ, Rijnders BJ.
Eur J Cancer. 2009 Nov;45(16):2810-7. Epub 2009 Aug 3.
PMID: 19647995 [PubMed - in process]
[Related articles](#)

4. [Pegfilgrastim administered on the same day with dose-dense adjuvant chemotherapy for breast cancer is associated with a higher incidence of febrile neutropenia as compared to conventional growth factor support: matched case-control study of the Hellenic Cooperative Oncology Group.](#)
Skarlos DV, Timotheadou E, Galani E, Samantas E, Grimi I, Lianos E, Aravantinos G, Xanthakis I, Pentheroudakis G, Pectasides D, Fountzilas G.
Oncology. 2009;77(2):107-12. Epub 2009 Jul 21.
PMID: 19622901 [PubMed - indexed for MEDLINE]
[Related articles](#)

5. [Implications of the European Organisation for Research And Treatment Of Cancer \(EORTC\) guidelines on the use of granulocyte colony-stimulating](#)

Filter your results:

All (619)

[Review \(156\)](#)

[Free Full Text \(91\)](#)

[Manage Filters](#)

12 free full-text articles in PubMed Central

- Current antimicrobial usage for the management of neutropenic fever in [J Korean Med Sci. 2008]
- Safety and pharmacokinetics of intravenous anidulafunin [Antimicrob Agents Chemother. 2006]
- Safety, tolerability, and pharmacokinetics of Micafungin [Antimicrob Agents Chemother. 2005]

» See all (12)...

Find related data

Database: Select

Find items

Search details

("neutropaenia"[All Fields]
OR "neutropenia"[MeSH Terms]
OR "neutropenia"[All Fields])
AND ("prevention and control"[Subheading] OR

Search

» See more...

サーチボックスの裏側 Details

Search: PubMed
neutropenia prophylaxis fever

Translations:

fever "fever"[MeSH Terms] OR "fever"[All Fields]
neutropenia "neutropaenia"[All Fields] OR "neutropenia"[MeSH Terms] OR "neutropenia"[All Fields]
prophylaxis "prevention and control"[Subheading] OR ("prevention"[All Fields] AND "control"[All Fields])

Query Translation:

```
("neutropaenia"[All Fields] OR "neutropenia"[MeSH Terms]  
OR "neutropenia"[All Fields]) AND ("prevention and  
control"[Subheading] OR ("prevention"[All Fields]  
AND "control"[All Fields]) OR "prevention and control"[All  
Fields] OR "prophylaxis"[All Fields]) AND ("fever"[MeSH  
Terms] OR "fever"[All Fields])
```

自動用語マッピング

PubMed
User query:
neutropenia prophylaxis fever

こわくない シソーラス PubMed編



シソーラス (Thesaurus) とは

(1) 索引, 検索用の構造化された統制語彙集. ディスクリプタ、非ディスクリプタおよびそれらの関係 (同義、階層、関連関

- 様々な表現、表記を一つのコトバに統一
統制語 (controlled vocabulary)

- 概念の体系と構造が明確にされている

(2) 略

(3) 言語研究や自然言語処理用の構造化された語彙体系.

日本図書館情報学会用語辞典編集委員会編; 図書館情報学用語辞典第3版, 丸善 (東京) 2007. より引用

シソーラス (Thesaurus)

論文の著者

neoplasm
neoplasms
cancer

PubMedの索引者

neoplasmsと索引

シソーラス

定義

「**腫瘍**に関する文献には
索引語としてneoplasms
を付与する」

PubMedの検索者

neoplasmsで検索

阿部信一: JMLA第15回医学図書館基礎
研修会 講義5 情報検索1 より改変

コトバ:言葉

【キーワード】

主題をあらわすコトバ

【検索語】

検索につかうコトバ

【索引語】

索引につかうコトバ

【統制語】

概念や範囲が規定されているコトバ



【自然語・自由語】

おもいつくままのコトバ

PubMedのシソーラス MeSH

- Medical Subject Headings
- NLMのシソーラス
- 毎年更新されている

MeSHの主な構成要素

➤ Main Headings :

主標目、ディスクリプタ(Descriptor)、ターム(term)【階層構造】

➤ Subheadings:

副標目、サブヘディング、限定句(Qualifiers)【階層構造】

MeSH Term

➤ Supplementary Concept Records: SCRs

以前はSupplementary Chemical Records
化学物質、薬物などが登録されている。毎週更新

➤ Publication Type

Publication Characteristics、出版形態

実際に見てみましょう

<実習1>

サーチボックスに **19445573** といれ
Search をクリックします。

Search: PubMed

19445573

Search Clear

①

②

PMID: 19445573 [PubMed - indexed for MEDLINE]

Publication Types, MeSH Terms, Substances

Publication Types:

Review

MeSH Terms:

Antineoplastic Agents, Hormonal/therapeutic use*

Delayed-Action Preparations

Humans

Intestinal Neoplasms/drug therapy*

Neuroendocrine Tumors/drug therapy*

Octreotide/therapeutic use*

Pancreatic Neoplasms/drug therapy*

Stomach Neoplasms/drug therapy*

Substances:

Antineoplastic Agents, Hormonal

Delayed-Action Preparations

Octreotide

LinkOut - more resources

*がついているのは
Major Topic

Intestinal Neoplasms / drug therapy*

ディスクリプタ

サブヘディング

SCRsと
MeSH Term
[Pharmacological Action]

Subheadings

MeSH DB より

☐ 1: Neoplasms

[Links](#)

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

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

☐ analysis ☐ antagonists and inhibitors ☐ blood ☐ blood supply ☐ cerebrospinal fluid ☐ chemically induced ☐ chemistry
☐ classification ☐ complications ☐ congenital ☐ diagnosis ☐ diet therapy ☐ drug therapy ☐ economics ☐ education
☐ embryology ☐ enzymology ☐ epidemiology ☐ ethnology ☐ etiology ☐ genetics ☐ history ☐ immunology ☐ injuries
☐ isolation and purification ☐ legislation and jurisprudence ☐ metabolism ☐ microbiology ☐ mortality ☐ nursing ☐ parasitology
☐ pathology ☐ physiology ☐ physiopathology ☐ prevention and control ☐ psychology ☐ radiation effects ☐ radiography
☐ radionuclide imaging ☐ radiotherapy ☐ rehabilitation ☐ secretion ☐ statistics and numerical data ☐ surgery ☐ therapeutic use
☐ therapy ☐ transmission ☐ transplantation ☐ ultrasonography ☐ ultrastructure ☐ urine ☐ veterinary ☐ virology

☐ Restrict Search to Major Topic headings only.

➤ 主題を限定することができる
例) がん の 薬物療法

➤ 各ディスクリプタ毎に使える種類が違う

PMID: 19445573 [PubMed - indexed for MEDLINE]

Publication Types, MeSH Terms, Substances

Publication Types:

Review

MeSH Terms:

Antineoplastic Agents, Hormonal/therapeutic use*

Delayed-Action Preparations

Humans

Intestinal Neoplasms/drug therapy*

Neuroendocrine Tumors/drug therapy*

Octreotide/therapeutic use*

Pancreatic Neoplasms/drug therapy*

Stomach Neoplasms/drug therapy*

Substances:

Antineoplastic Agents, Hormonal

Delayed-Action Preparations

Octreotide

LinkOut - more resources

*がついているのは
Major Topic

Intestinal Neoplasms / drug therapy*

ディスクリプタ

サブヘディング

SCRsと
MeSH Term
[Pharmacological Action]

Pharmacological Action

- 薬効のMeSH(1996年～)
- 通常の「MeSH」との区別:
 - Substances: に化学物質とともに表記
 - 検索時は [PA]をつける

1: Thalidomide Links

A piperidinyl isoindole originally introduced as a non-barbiturate hypnotic, but withdrawn from the market due to teratogenic effects. It has been reintroduced and used for a number of immunological and inflammatory disorders. Thalidomide displays immunosuppressive and anti-angiogenic activity. It inhibits release of TUMOR NECROSIS FACTOR-ALPHA from monocytes, and modulates other cytokine action.

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

☐ administration and dosage ☐ adverse effects ☐ agonists ☐ analogs and derivatives ☐ analysis ☐ antagonists and inhibitors ☐ blood ☐ cerebrospinal fluid ☐ chemical synthesis ☐ chemistry ☐ classification ☐ contraindications ☐ diagnostic use ☐ economics ☐ history ☐ immunology ☐ isolation and purification ☐ metabolism ☐ pharmacokinetics ☐ pharmacology ☐ poisoning ☐ radiation effects ☐ standards ☐ supply and distribution ☐ therapeutic use ☐ toxicity ☐ urine

☐ Restrict Search to Major Topic headings only.
☐ Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).

Registry Number: 50-35-1

Entry Terms:

- Thalomid
- Celgene Brand of Thalidomide
- Sedoval

Pharmacologic Action:

- [Immunosuppressive Agents](#)
- [Leprostatic Agents](#)
- [Teratogens](#)
- [Angiogenesis Inhibitors](#)

1: Angiogenesis Inhibitors [Pharmacological Action]

- 5-nitro-2-(3-phenylpropylamino)benzoic acid (*Substance Name*)
- Angiostatic Proteins (*MeSH Term*)
- Angiostatins (*MeSH Term*)
- bevacizumab (*Substance Name*)
- cytochalasin E (*Substance Name*)
- Endostatins (*MeSH Term*)
- fumagillin (*Substance Name*)
- halofuginone (*Substance Name*)
- homoharringtonine (*Substance Name*)
- Interferon Alfa-2a (*MeSH Term*)
- Interferon Alfa-2b (*MeSH Term*)
- Interferon Alfa-2c (*MeSH Term*)
- Interferon Type I, Recombinant (*MeSH Term*)
- Interleukin-12 (*MeSH Term*)
- LECT1 protein, human (*Substance Name*)
- O-(chloroacetylcarbamoyl)fumagillol (*Substance Name*)
- roquinimex (*Substance Name*)
- small inducible cytokine subfamily E, member 1 (*Substance Name*)
- squalamine (*Substance Name*)
- SU 5416 (*Substance Name*)
- sunitinib (*Substance Name*)
- tetra(4-N-methylpyridyl)porphine (*Substance Name*)
- tetrathiomolybdate (*Substance Name*)
- Thalidomide (*MeSH Term*)
- thymogen (*Substance Name*)
- Tumor Necrosis Factor Ligand Superfamily Member 15 (*MeSH Term*)
- zhengguangmycin (*Substance Name*)

[All MeSH Categories](#)

[Pharmacological Actions Category](#)

Angiogenesis Inhibitors

Main Headingsの階層構造 (Tree Structure) ①

カテゴリー

- A. Anatomy
- B. Organisms
- C. Diseases
- D. Chemical and Drugs
- E. Analytical, Diagnostic and
Therapeutic Techniques and Equipment
- F. Psychiatry and Psychology
- G. Biological Sciences
- H. Physical Sciences
- I. Anthropology, Education, Sociology and
Social Phenomena
- J. Technology and Food and Beverages
- K. Humanities
- L. Information Science
- M. Persons
- N. Health Care
- V. Publication Characteristics
- Z. Geographic Locations

Main Headingsの階層構造 (Tree Structure)②

Diseases Category (C)

上位語

Digestive System Diseases (C06) (消化器疾患)

Gastrointestinal Diseases (胃腸疾患)

Gastrointestinal Neoplasms (胃腸腫瘍)

Esophageal Neoplasms (食道腫瘍)

Gastrointestinal Stromal Tumors (GIST)

Intestinal Neoplasms (腸腫瘍)

Cecal Neoplasms + (盲腸腫瘍)

Colorectal Neoplasms + (直腸がん)

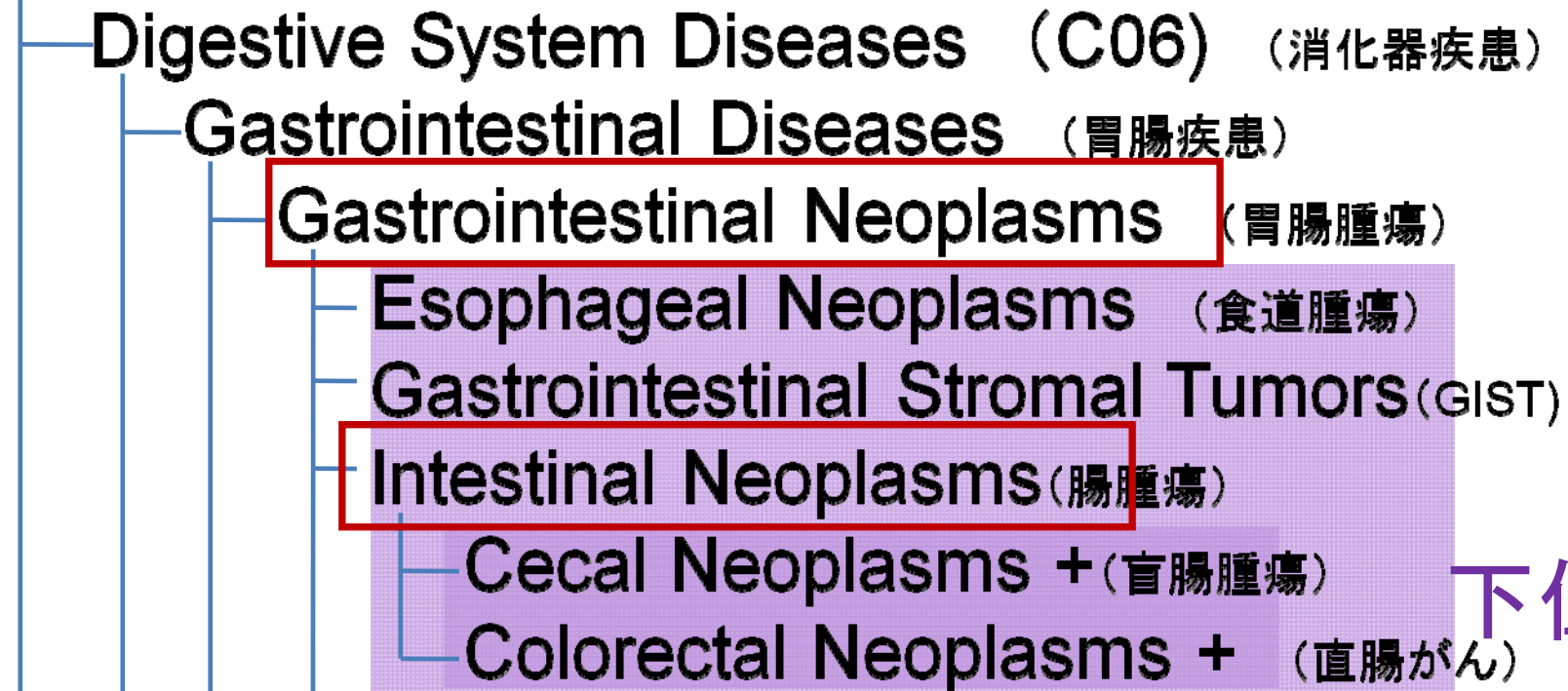
Stomach Neoplasms (胃がん)

Zollinger-Ellison Syndrom (ゾリンジャーエルソン症候群)

下位語

Main Headingsの階層構造 (Tree Structure)②

Diseases Category (C)



Exploding : (Explode)
下位のコトバ(概念)を含む

SubHeadingsの階層構造

therapy

diet therapy

drug therapy

nursing

prevention and control

radiotherapy

rehabilitation

surgery

transplantation

MeSH (Medical Subject Headings) とは

- シソーラス
様々な表現、表記を一つのコトバに統一
- Main headings, Subheadings, SCRs, Publication Type等
Major Topic 中心的主題を表すMeSHターム
- Subheadings
ディスクリプタの概念に則した絞り込み
- Main headingsの カテゴリー、階層構造
コトバの持つ概念の位置、関係を明確化
※subheadingsもグループ構造あり

こわくない シソーラス
P u b M e d 編



MeSHを使いこなすには

論文の著者

neoplasm
neoplasms
cancer

PubMedの索引者

neoplasms

- ①MeSHタームのつき方・選び方を知る
- ②MeSH検索のポイントを知る

neoplasms

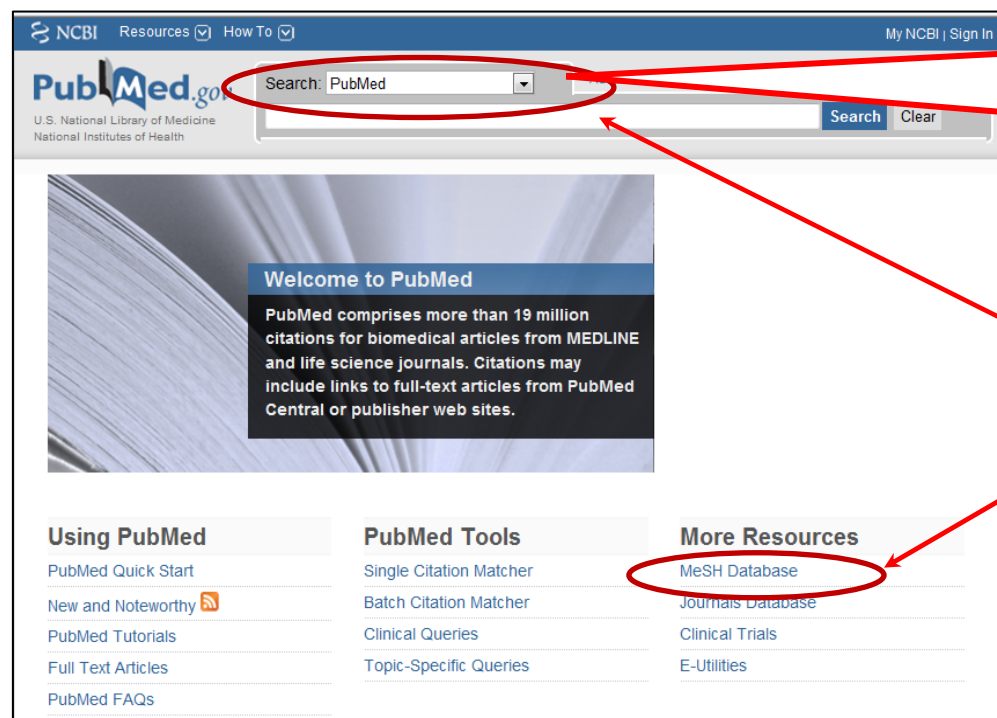
阿部信一: JMLA第15回医学図書館基礎
研修会 講義5 情報検索1 より借用

MeSHタームのつき方・選びかた

参考にするもの

- MeSH DB
- MeSH Browser
- その他

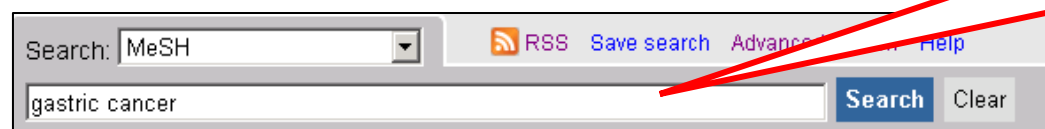
実際に見てみましょう MeSH DB



① DBを
MeSHにします

どちらで
もOK

②gastric cancer
をいれます。



Search MeSH for gastric cancer Go Clear Save Search

Limits Preview/Index History Clipboard Details

Display Summary Show 20 Send to

All: 6

Items 1 - 6 of 6

One page.

1: [Stomach Neoplasms](#)

Tumors or cancer of the STOMACH.

Links

2: [GCRG123 protein, human \[Substance Name\]](#)

a lamin-like protein down-regulated in gastric cancer; GenBank AF454554

Date introduced: September 10, 2003

Links

3: [PPHLN1 protein, human \[Substance Name\]](#)

RefSeq NM_201515

Date introduced: November 15, 2003

Links

4: [GCRG224 protein, human \[Substance Name\]](#)

gene GCRG224 is differentially expressed in human gastric mucosa; may not serve as a potential marker

for the diagnosis of gastric cancer; GenBank AF438406

Date introduced: May 30, 2003

Links

5: [TACC1 protein, human \[Substance Name\]](#)

RefSeq NM_006283

Date introduced: September 22, 1999

Links

6: [TROVE2 protein, human \[Substance Name\]](#)

RefSeq NM_004600

Date introduced: November 4, 1999

Links

Items 1 - 6 of 6

One page.

Recent Activity

Turn Off Clear

gastric cancer (6)

Stomach Neoplasms

stomach neoplasms (1)

Neoplasms

neoplasms (176)

MeSH

» See more...

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

1: Stomach Neoplasms

Tumors or cancer of the STOMACH.

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

☐ analysis ☐ blood ☐ blood supply ☐ cerebrospinal fluid ☐ chemically induced ☐ chemistry ☐ classification ☐ complications
☐ congenital ☐ diagnosis ☐ diagnostic use ☐ diet therapy ☐ drug therapy ☐ economics ☐ embryology ☐ enzymology ☐ epidemiology
☐ ethnology ☐ etiology ☐ genetics ☐ history ☐ immunology ☐ legislation and jurisprudence ☐ metabolism ☐ microbiology ☐ mortality
☐ nursing ☐ parasitology ☐ pathology ☐ physiology ☐ physiopathology ☐ prevention and control ☐ psychology ☐ radiography
☐ radionuclide imaging ☐ radiotherapy ☐ rehabilitation ☐ secondary ☐ secretion ☐ surgery ☐ therapy ☐ ultrasonography ☐ ultrastructure
☐ urine ☐ veterinary ☐ virology

☐ Restrict Search to Major Topic headings only.

☐ Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).

Entry Terms:

- Neoplasm, Stomach
- Stomach Neoplasm
- Neoplasms, Stomach
- Neoplasms, Gastric
- Gastric Neoplasms
- Gastric Neoplasm
- Neoplasm, Gastric
- Cancer of Stomach
- Stomach Cancers
- Stomach Cancer
- Cancer, Stomach
- Cancers, Stomach
- Cancer of the Stomach
- Gastric Cancer
- Cancer, Gastric
- Cancers, Gastric
- Gastric Cancers

[All MeSH Categories](#)

[Diseases Category](#)

[Neoplasms](#)

[Neoplasms by Site](#)

[Digestive System Neoplasms](#)

[Gastrointestinal Neoplasms](#)

Stomach Neoplasms

MeSH DB

用語の説明

つけることのできる
サブヘディング

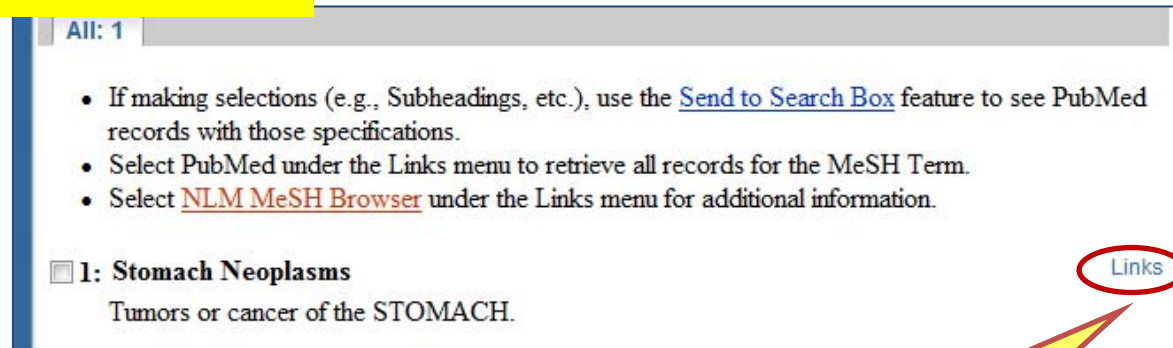
☐ この用語が主題中心 (Major Topic) になっている
ものだけ限定するか？
☐ 下位語を含めないで検索するか？
 (Explodeしないようにするか？)

この用語への参照用語リスト

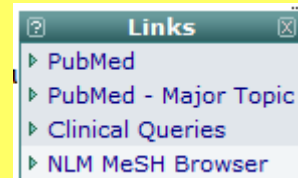
階層構造

MeSH DBからMeSH Browserへ

MeSH DBから.....



左クリックする
▷NLM MeSH Browser



MeSH Browserの
Descriptor Data

MeSH Heading	Stomach Neoplasms
Tree Number	C04.588.274.476.767
Tree Number	C06.301.371.767
Tree Number	C06.405.249.767
Tree Number	C06.405.748.789
Annotation	coord IM with histol type of neopl (IM); neopl of ruminant stomach or its parts: coord STOMACH, RUMINANT or indention (IM) with STOMACH NEOPLASMS / vet (IM) + histol type of neopl / vet (IM)
Scope Note	Tumors or cancer of the STOMACH .
Entry Term	Cancer of Stomach
Entry Term	Cancer of the Stomach
Entry Term	Gastric Cancer
Entry Term	Gastric Neoplasms
Entry Term	Neoplasms, Gastric
Entry Term	Neoplasms, Stomach
Entry Term	Stomach Cancer
Allowable Qualifiers	BL PS CE CH CL CN CO DI DL DT EG EH EM EN ER ET FE HU IM MA MI MO NU PA PC PD PE PY RA RU RT SC SE SU TH UR US VE
Entry Version	ST
Date of Entry	19
Unique ID	D0

Annotation
(索引者への注意事項)

Scope Note
用語の説明

Allowable Qualifiers
つけることのできる
サブヘディングス

PubMed の検索に直行できない
ので
ブラウザの戻るを使って MeSHDBに戻って検索

[Neoplasms \[C04\]](#)

[Neoplasms by Site \[C04.588\]](#)

[Digestive System Neoplasms \[C04.588.274\]](#)

[Gastrointestinal Neoplasms \[C04.588.274.476\]](#)

[Esophageal Neoplasms \[C04.588.274.476.408\]](#)

[Gastrointestinal Stromal Tumors \[C04.588.274.476.308\]](#)

[Intestinal Neoplasms \[C04.588.274.476.411\] +](#)

▶ [Stomach Neoplasms \[C04.588.274.476.767\]](#)

並列関係も表示した
階層構造

DB vs Browser

項目	MeSH DB	MeSH Browser
指向	検索者用	索引者用 索引注意事項
検索	PubMed検索に リンク	PubMed検索とは リンクしていない
スペルミス	対応	(対応していない)
階層表示	該当MeSHのみ	該当MeSHの 並列関係も表示
副標目	付与可能で実際に 文献のあるもの	付与可能なもの
副標目表現	Subheadings	Qualifiers

MeSHのつき方と選び方ポイント

選び方チェックポイント

- このMeSHタームの説明を確認したか
- 何年からMeSHタームになっているか
- そのサブヘディングは使えるか
- 階層構造を確認したか(上位・下位・並列)
- 他の用語で適切なものがあるか
- セットで使うような注意事項はあるか

こわくない シソーラス PubMed編



MeSH検索の実際

- ① MeSHタームを探す
- ② MeSHタームの確認をする
- ③ MeSHタームで検索をする
 - a. MeSH DBから
 - b. サーチボックスへ直接入力
 - c. *Preview/index* から
 - d. *Citationからの検索* など...
- ④ 検索結果の検証

実習3 新型インフルエンザについて

- ① 新型インフルエンザをMeSHで調べる。
- ② MeSH DB から
PubMedのサーチボックスへ上げる
- ③ 検索をする。

- ④ サーチボックスをClearしてから
直接入力で検索。

実習3 新型インフルエンザについて

NCBI MeSH

All Databases PubMed Nucleotide Protein Gene Structure OMIM PMC Journals

Search MeSH for influenza N1H1 Go Clear Save Search

Limits Preview/Index History Clipboard Details

The following term was not found in MeSH: N1H1.
See [Details](#).

Display Summary Show 20 Send to

All: 61

Items 1 - 20 of 61 Page 1 of 4 Next

H1N1を N1H1と間違えて
入っていますが.....

4: [Influenza A Virus, H3N8 Subtype](#) [Links](#)

A subtype of INFLUENZA A VIRUS comprised of the surface proteins hemagglutinin 3 and neuraminidase 8. The H3N8 subtype has frequently been found in horses.

Year introduced: 2006

5: [Influenza A Virus, H1N1 Subtype](#) [Links](#)

A subtype of INFLUENZA A VIRUS comprised of the surface proteins hemagglutinin 1 and neuraminidase 1. The H1N1 subtype was responsible for the Spanish flu pandemic of 1918.

Year introduced: 2006

1: Influenza A Virus, H1N1 Subtype

A subtype of INFLUENZA A VIRUS comprised of the surface proteins hemagglutinin 1 and neuraminidase 1. The H1N1 subtype was responsible for the Spanish flu pandemic of 1918.

Year introduced: 2006

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

☐ chemistry ☐ classification ☐ drug effects ☐ enzymology ☐ genetics ☐ growth and development ☐
☐ metabolism ☐ pathogenicity ☐ physiology ☐ ultrastructure

☐ Restrict Search to Major Topic headings only.

☐ Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH hierarchy)

Entry Terms:

- H1N1 Virus
- H1N1 Viruses
- Virus, H1N1
- Viruses, H1N1
- Swine-Origin Influenza A H1N1 Virus
- Swine Origin Influenza A H1N1 Virus

Previous Indexing:

- [Influenza A Virus \(1978-2005\)](#)

[All MeSH Categories](#)

[Organisms Category](#)

[Viruses](#)

[RNA Viruses](#)

[Orthomyxoviridae](#)

[Influenzavirus A](#)

[Influenza A virus](#)

Influenza A Virus, H1N1 Subtype

[All MeSH Categories](#)

[Organisms Category](#)

[Viruses](#)

[Vertebrate Viruses](#)

[RNA Viruses](#)

[Orthomyxoviridae](#)

[Influenzavirus A](#)

[Influenza A virus](#)

Influenza A Virus, H1N1 Subtype

Links

左クリックする

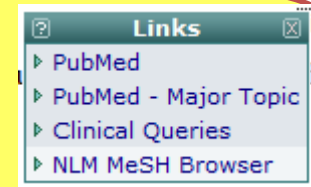
・検索語とするには

▷PubMed

▷PubMed-Major Topic

・MeSH Browserで確認するには

▷NLM MeSH Browser



このMeSHタームは 2006年からつけられた
Influenza A Virus は以前のMeSH ターム

2009.5.13

今年 5月1日にMeSHを変更

既存のタームに

Influenza A virus, H1N1 subtype

エントリーターム

Swine-Origin Influenza A H1N1 Virus

を追加。


既存のタームから

INFLUENZA A VIRUS

エントリータームの

Swine Influenza Virus

を削除

**NLM Technical Bulletin**
National Library of Medicine | National Institutes of Health

Search [Help](#)

[Table of Contents](#) [RSS](#) [Home](#) [Back Issues](#) [Indexes](#)

2009 MAY-JUNE No. 368

May 13, 2009 [posted]

2009 H1N1 Flu ("Swine Flu") Terminology

Background
During the recent outbreak of H1N1 influenza in humans, the term "swine flu" has become prevalent in the professional literature and especially the public media. The inherent ambiguous nature of this expression leads to major confusion. Despite the name, the new influenza virus has been mostly isolated from infected humans, though many of its genes are derived from pig viruses.

On April 30, 2009, the Centers for Disease Control and Prevention officially designated the name of the virus as Swine-origin Influenza A (H1N1) Virus.

MeSH® Headings
On May 1, 2009, MeSH added the new term to an existing descriptor:

Existing Descriptor: INFLUENZA A VIRUS, H1N1 SUBTYPE
New entry term: Swine-Origin Influenza A H1N1 Virus

Additionally, to avoid confusion, MeSH deleted the entry term "Swine Influenza Virus" from the descriptor INFLUENZA A VIRUS. This referred to the classical swine flu virus which has evolved since developing in pigs during the 1918 Spanish flu pandemic.

Indexing
If an article on "swine flu in humans" refers to the H1N1 subtype, the indexing will be: INFLUENZA, HUMAN + INFLUENZA A VIRUS, H1N1 SUBTYPE + HUMANS

An article on "swine flu of the H1N1 subtype in swine" will be indexed as: INFLUENZA A VIRUS, H1N1 SUBTYPE + ORTHOMYXOVIRIDAE INFECTIONS + SWINE. Since other viral subtypes besides H1N1 can cause swine flu in swine, index with other subtypes as appropriate or with INFLUENZA A VIRUS if no specific subtype is stated or implied by the article.

Some articles with "swine flu" in the title include no discussion of a specific virus at all. Such articles are often about the general probability of an upcoming human influenza pandemic and its prevention and control. Indexing for such articles will include:

INFLUENZA, HUMAN + HUMANS (and possibly DISEASE OUTBREAKS (entry term = PANDEMICS); QUARANTINE; PATIENT ISOLATION; or INTERNATIONAL COOPERATION; (if these concepts are substantively discussed).

Searching PubMed®
PubMed will map the search query, i.e., swine flu, to both INFLUENZA, HUMAN and SWINE. Including the phrase H1N1 in your query, swine flu H1N1, will achieve more precise retrieval.

Searchers may also consider using swine flu [tw] in their strategy to retrieve articles that are about potential pandemic in humans, but do not include a substantive discussion of a specific virus or the disease in swine.

By Allan Savage
MeSH Section

Savage A. 2009 H1N1 Flu ("Swine Flu") Terminology. NLM Tech Bull. 2009 May-Jun;(368):e5.

MeSH DB → サーチボックス & 検索

PubMed.gov
U.S. National Library of Medicine
National Institutes of Health

Search: PubMed
RSS Save search Advanced search Help

"Influenza A Virus, H1N1 Subtype"[Mesh] Search Clear

Display Settings: ☒ Summary, 20 per page, Sorted by Recently Added Send to: ☒

Results: 1 to 20 of 1739

1. [Kids and the flu.](#)
[No authors listed]
State Legis. 2009 Oct-Nov;35(9):25. No abstract available.
PMID: 19877381 [PubMed - indexed for MEDLINE]
[Related articles](#)

2. [Masks might limit spread of swine flu.](#)
[No authors listed]
Consum Rep. 2009 Nov;74(11):12. No abstract available.
PMID: 19866549 [PubMed - indexed for MEDLINE]
[Related articles](#)

3. [Highlights from the 49th ICAAC.](#)
McConnell J

Filter your results:
All (1739)
[Review \(56\)](#)
[Free Full Text \(503\)](#)
[Manage Filters](#)

2009 H1N1 Flu Sequences
See the latest influenza A (H1N1) sequences from the 2009 outbreak.

239 free full-text articles in PubMed Central

► The H1N1 vaccine plan. [CMAJ. 2009]

もちろん、手で入力して Search も可能

PubMed.gov
U.S. National Library of Medicine
National Institutes of Health

Search: PubMed
RSS Save search Advanced search Help

Influenza A Virus, H1N1 Subtype[mh] Search Clear

“MeSHターム”[MeSH]
MeSHターム[mh]

複数MeSHの検索

- 一つ一つ検索して、#番号をつくる
HistoryまたはPreviewで AND OR
- 一本の検索式を作る

実習4 「肥満2型糖尿病の治療」

肥満
糖尿病
治療

obesity
diabetes
therapy



糖尿病(diabetes) → MeSH 確認
2型糖尿病 あるか？
治療(therapy) → subheadings?
肥満(obesity) → MeSH 確認

All Databases PubMed Nucleotide Protein Genome Structure

Search MeSH for diabetes Go Clear Save Search

Limits Preview/Index History Clipboard Details

Display Summary Show 20 Send to

All: 23

Items 1 - 20 of 23 Page 1 of 2 Next

☐ 1: [Diabetes Mellitus](#) Links

A heterogeneous group of disorders characterized by HYPERGLYCEMIA and GLUCOSE INTOLERANCE.

☐ 2: [Diabetes Insipidus](#) Links

A disease that is characterized by frequent urination, excretion of large amounts of dilute URINE, and excessive THIRST. Etiologies of diabetes insipidus include deficiency of ANTIDIURETIC HORMONE (also known as ADH or VASOPRESSIN) secreted by the NEUROHYPOPHYSIS, impaired KIDNEY response to ADH, and impaired hypothalamic regulation of thirst.

☐ 3: [Diabetes Mellitus, Type 2](#) Links

A subclass of DIABETES MELLITUS that is not INSULIN-responsive or dependent (NIDDM). It is characterized initially by INSULIN RESISTANCE and HYPERINSULINEMIA; and eventually by GLUCOSE INTOLERANCE; HYPERGLYCEMIA; and overt diabetes. Type II diabetes mellitus is no longer considered a disease exclusively found in adults. Patients seldom develop KETOSIS but often exhibit OBESITY.
Year introduced: 2005 (1984)

☐ 4: [Diabetes Mellitus, Type 1](#) Links

A subtype of DIABETES MELLITUS that is characterized by INSULIN deficiency. It is manifested by the sudden onset of severe HYPERGLYCEMIA, rapid progression to DIABETIC KETOACIDOSIS, and DEATH unless treated with insulin. The disease may occur at any age, but is most common in childhood or adolescence.
Year introduced: 2005 (1984)

☐ 1: Diabetes Mellitus, Type 2

[Links](#)

A subclass of DIABETES MELLITUS that is not INSULIN-responsive or dependent (NIDDM). It is characterized initially by INSULIN RESISTANCE and HYPERINSULINEMIA; and eventually by GLUCOSE INTOLERANCE; HYPERGLYCEMIA; and overt diabetes. Type II diabetes mellitus is no longer considered a disease exclusively found in adults. Patients seldom develop KETOSIS but often exhibit OBESITY.

Year introduced: 2005 (1984)

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

☐ blood ☐ cerebrospinal fluid ☐ chemically induced ☐ classification ☐ complications ☐ congenital ☐ diagnosis ☐ diet therapy ☐ drug therapy ☐ economics ☐ embryology ☐ enzymology ☐ epidemiology ☐ ethnology ☐ etiology ☐ genetics ☐ history ☐ immunology ☐ metabolism ☐ microbiology ☐ mortality ☐ nursing ☐ parasitology ☐ pathology ☐ physiopathology ☐ prevention and control ☐ psychology ☐ radiography ☐ radionuclide imaging ☐ radiotherapy ☐ rehabilitation ☐ surgery ☐ therapy ☐ transmission ☐ ultrasonography ☐ urine ☐ veterinary ☐ virology

☐ Restrict Search to Major Topic headings only.

☐ Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).

Entry Terms:



- [Diabetes Mellitus, Adult Onset](#)
- [Diabetes Mellitus, Noninsulin Dependent](#)

Previous Indexing:

- [Diabetes Mellitus \(1966-1983\)](#)

See Also:

- [Rats, Inbred OLETF](#)
- [Metabolic Syndrome X](#)

[All MeSH Categories](#)

[Diseases Category](#)

[Nutritional and Metabolic Diseases](#)

[Metabolic Diseases](#)

[Glucose Metabolism Disorders](#)

[Diabetes Mellitus](#)

Diabetes Mellitus, Type 2

[Diabetes Mellitus, Lipoatrophic](#)

[All MeSH Categories](#)

[Diseases Category](#)

[Endocrine System Diseases](#)

[Diabetes Mellitus](#)

Diabetes Mellitus, Type 2

[Diabetes Mellitus, Lipoatrophic](#)

MeSH Browser の確認

MeSH Heading	Diabetes Mellitus, Type 2
Tree Number	C18.452.394.750.149
Tree Number	C19.246.300
Scope Note	A subclass of DIABETES MELLITUS that is not INSULIN-responsive or dependent (NIDDM). It is characterized initially by INSULIN RESISTANCE and HYPERINSULINEMIA ; and eventually by GLUCOSE INTOLERANCE ; HYPERGLYCEMIA ; and overt diabetes. Type II diabetes mellitus is no longer considered a disease exclusively found in adults. Patients seldom develop KETOSIS but often exhibit OBESITY .
Entry Term	Diabetes Mellitus, Adult-Onset
Entry Term	Diabetes Mellitus, Ketosis-Resistant
Entry Term	Diabetes Mellitus, Maturity-Onset
Entry Term	Diabetes Mellitus, Non Insulin Dependent
Entry Term	Diabetes Mellitus, Non-Insulin-Dependent
Entry Term	Diabetes Mellitus, Noninsulin Dependent
Entry Term	Diabetes Mellitus, Slow-Onset
Entry Term	Diabetes Mellitus, Stable
Entry Term	Diabetes Mellitus, Type II
Entry Term	Maturity-Onset Diabetes Mellitus
Entry Term	MODY
Entry Term	NIDDM
Entry Term	Type 2 Diabetes Mellitus
See Also	Metabolic Syndrome X
See Also	Rats, Inbred OLETF
Allowable Qualifiers	BL CF CI CL CN CO DH DI DT EC EH EM EN EP ET GE HI IM ME MI MO NU PA PC PP PS PX RA RH RI RT SU TH UR US VE VI
Previous Indexing	Diabetes Mellitus (1966-1983)
History Note	2005 (1984)
Date of Entry	19830405
Unique ID	D003924

Therapy の確認

MeSH DB

[Links](#)

☐ 1: therapy [Subheading]

Used with diseases for therapeutic interventions except drug therapy, diet therapy, radiotherapy, and surgery, for which specific subheadings exist. The concept is also used for articles and books dealing with multiple therapies.

Year introduced: 1966

☐ Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).

Entry Terms:

- treatment
- disease management

[All MeSH Categories](#)

[Subheadings Category](#)

therapy

[diet therapy](#)

[drug therapy](#)

[nursing](#)

[prevention and control](#)

[radiotherapy](#)

[rehabilitation](#)

[surgery](#)

[transplantation](#)

Display **Full** Show **20** Send to

All: 1

- If making selections (e.g., Subheadings, etc.), use the [Send to](#)
- Select PubMed under the Links menu to retrieve all records for
- Select [NLM MeSH Browser](#) under the Links menu for additional

1: Diabetes Mellitus, Type 2 [Links](#)

A subclass of DIABETES MELLITUS that is not INSULIN-responsive or dependent (NIDDM). It is characterized initially by INSULIN RESISTANCE and HYPERINSULINEMIA; and eventually by GLUCOSE INTOLERANCE; HYPERGLYCEMIA; and overt diabetes. Type II diabetes mellitus is no longer considered a disease exclusively found in adults. Patients seldom develop KETOSIS but often exhibit OBESITY.
Year introduced: 2005 (1984)

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

☐ blood ☐ cerebrospinal fluid ☐ chemically induced ☐ classification ☐ complications ☐ congenital ☐ diagnosis ☐ diet therapy ☐ drug therapy ☐ economics ☐ embryology ☐ enzymology ☐ epidemiology ☐ ethnology ☐ etiology ☐ genetics ☐ history ☐ immunology ☐ metabolism ☐ microbiology ☐ mortality ☐ nursing ☐ parasitology ☐ pathology ☐ physiopathology ☐ prevention and control ☐ psychology ☐ radiography ☐ radionuclide imaging ☐ radiotherapy ☐ rehabilitation ☐ surgery ☒ therapy ☐ transmission ☐ ultrasonography ☐ urine ☐ veterinary ☐ virology

2


3

"Diabetes Mellitus, Type 2/therapy"[Mesh]

Search PubMed Clear

Display **Full** Show **20** Send to

同様にobesity も検索 Historyをみながら、AND

 Search History

- Search History will be lost after eight hours of inactivity.
- Search numbers may not be continuous; all searches are represented.
- To save search indefinitely, click query # and select Save in My NCBI.
- To combine searches use #search, e.g., #2 AND #3 or click query # for more options.

Search	Most Recent Queries	Time	Result
#18	Search #17 AND #15	03:42:22	2270
#17	Search "Obesity"[Mesh]	03:40:13	94458
#15	Search "Diabetes Mellitus, Type 2/therapy"[Mesh]	03:39:01	20648
#9	Search Influenza A Virus, H1N1 Subtype[mh]	02:50:38	1739
#6	Search "Influenza A Virus, H1N1 Subtype"[Mesh]	02:46:45	1739

More History

Clear History

実習5 H1N1 A型インフルエンザの タミフル投与による副作用

今回の条件

- MeSHタームだけを使用します。
- タミフル投与による副作用
subheading=adverse effects
- ターム毎の検索式で

① MeSHで タミフル:tamiflu

Search MeSH for tamiflu [Save Search](#)

[Limits](#) [Preview/Index](#) [History](#) [Clipboard](#) [Details](#)

Suggestions: [Tamiflu](#), [Tamias](#), [Tamase](#), [Tamaron](#), [Tamarix](#), [Tamorf](#), [Tamik](#), [Tamarind](#), [Amiflamin](#), [Desiflu](#), [More...](#)

Display Show Send to

All: 1

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Consumer Health

Clinical Alerts

ClinicalTrials.gov

PubMed Central

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

☐ 1: **Oseltamivir** [Links](#)

An acetamido cyclohexene that is a structural homolog of SIALIC ACID and inhibits NEURAMINIDASE.
Year introduced: 2007(1997)

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

☐ administration and dosage ☐ adverse effects ☐ analogs and derivatives ☐ analysis ☐ antagonists and inhibitors ☐ blood ☐ cerebrospinal fluid ☐ chemical synthesis ☐ chemistry ☐ economics ☐ isolation and purification ☐ metabolism ☐ pharmacokinetics ☐ pharmacology ☐ poisoning ☐ radiation effects ☐ standards ☐ supply and distribution ☐ therapeutic use ☐ toxicity ☐ urine

☐ Restrict Search to Major Topic headings only.

☐ Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).

Entry Terms:

- GS 4104
- 4104, GS
- GS4104
- GS-4104
- Tamiflu
- GS 4071
- 4071, GS
- GS4071
- GS-4071

Pharmacologic Action:

- [Antiviral Agents](#)
- [Enzyme Inhibitors](#)

[All MeSH Categories](#)

[Chemicals and Drugs Category](#)

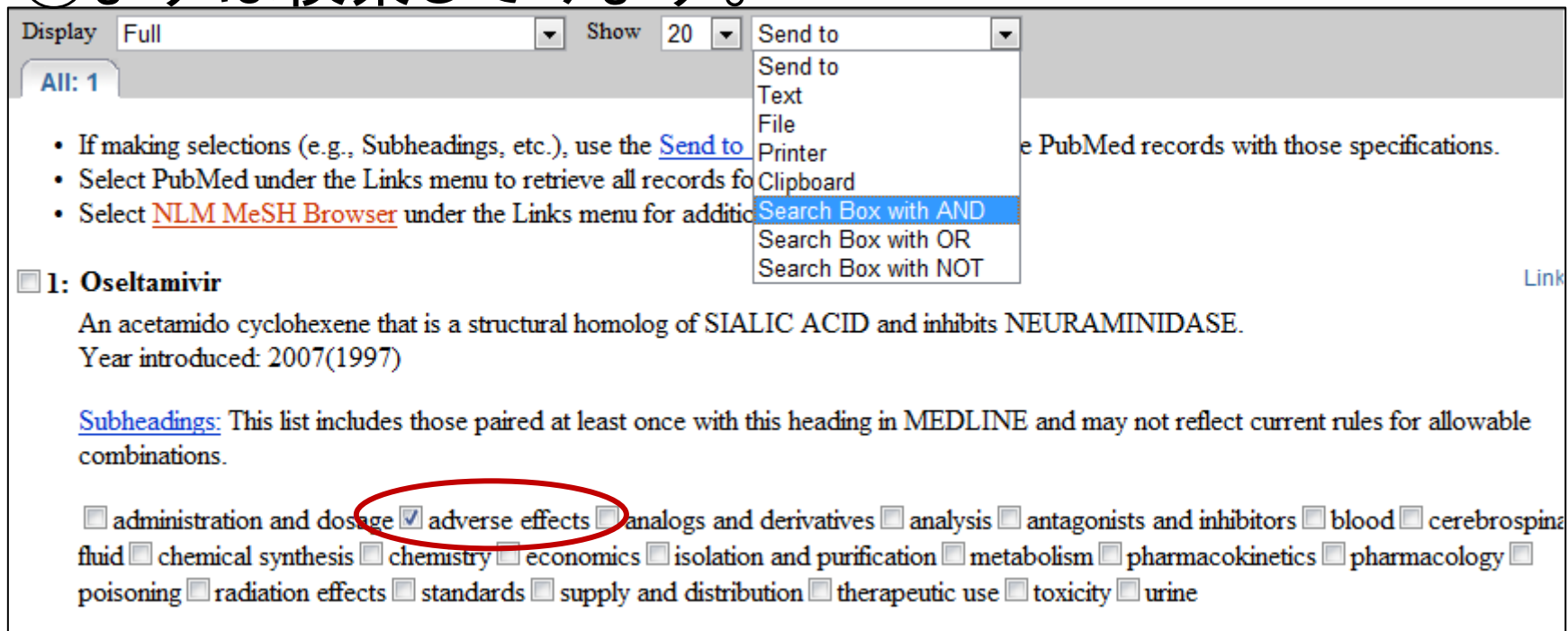
[Organic Chemicals](#)

[Amides](#)

[Acetamides](#)

Oseltamivir

②まずは検索してみます。



Display Full Show 20 Send to

All: 1

- If making selections (e.g., Subheadings, etc.), use the [Send to](#)
- Select PubMed under the Links menu to retrieve all records for
- Select [NLM MeSH Browser](#) under the Links menu for additional

1: Oseltamivir

An acetamido cyclohexene that is a structural homolog of SIALIC ACID and inhibits NEURAMINIDASE.
Year introduced: 2007(1997)

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

☐ administration and dosage ☒ **adverse effects** ☐ analogs and derivatives ☐ analysis ☐ antagonists and inhibitors ☐ blood ☐ cerebrospinal fluid ☐ chemical synthesis ☐ chemistry ☐ economics ☐ isolation and purification ☐ metabolism ☐ pharmacokinetics ☐ pharmacology ☐ poisoning ☐ radiation effects ☐ standards ☐ supply and distribution ☐ therapeutic use ☐ toxicity ☐ urine



Limits Preview/Index History Clipboard Details

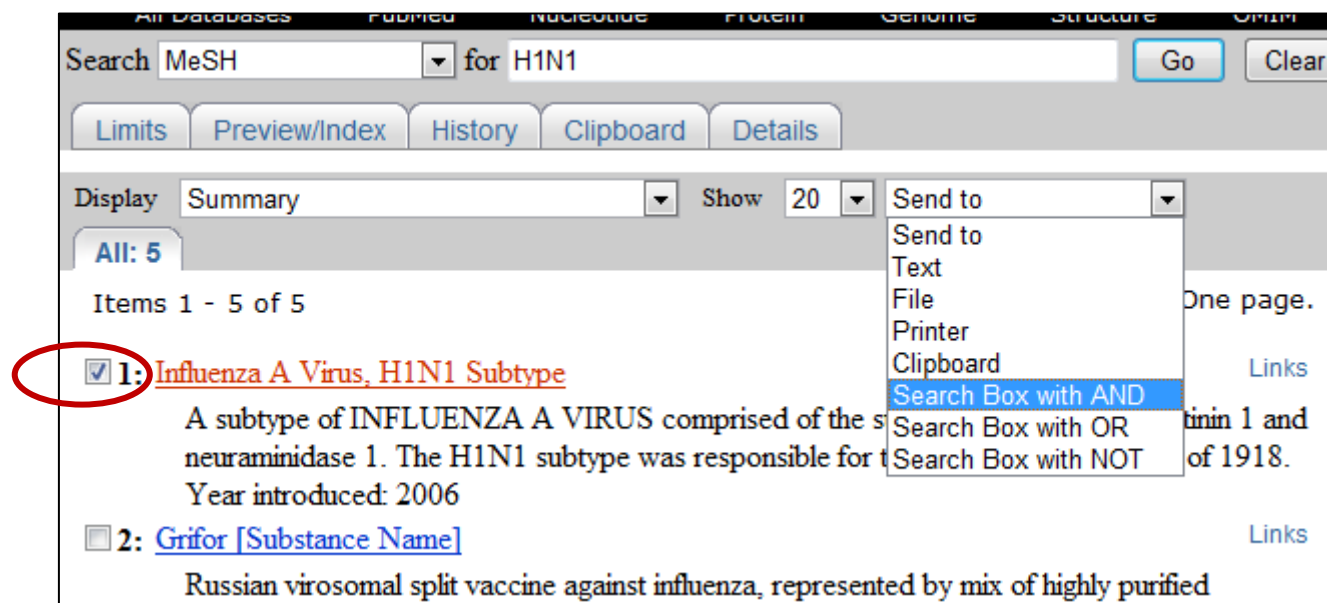
"Oseltamivir/adverse effects" [Mesh]

Search PubMed Clear


Suggestions: [Tamiflu](#), [Tamias](#), [Tamase](#), [Tamaron](#), [Tamarix](#), [Tamorf](#), [Tamik](#), [Tamarind](#), [Amiflamin](#), [Desiflu](#), [More...](#)

Display Full Show 20 Send to

③ 新型インフルエンザをMeSHで確認して検索



④ Historyで確認して 検索結果番号でAND検索

 Search History

- Search History will be lost after eight hours of inactivity.
- Search numbers may not be continuous; all searches are represented.
- To save search indefinitely, click query # and select Save in My NCBI.
- To combine searches use #search, e.g., #2 AND #3 or click query # for more options.

Search	Most Recent Queries	Time	Result
#29	Search #6 AND #27	04:07:35	7
#6	Search "Influenza A Virus, H1N1 Subtype"[Mesh]	04:06:37	1739
#27	Search "Oseltamivir/adverse effects"[Mesh]	04:05:54	56
#25	Search diabetes mellitus, type 2[sh:noexp] AND therapy[sh]	03:58:27	0
#24	Search diabetes mellitus, type 2[mh] AND therapy[sh]	03:56:34	26605

More History

Clear History

結果の7件

[Display Settings:](#) ☒ Summary, 20 per page, Sorted by Recently Added

[Send to:](#) ☒

Results: 7

☐ [Pregnancy and H1N1 infection.](#)

1. Burioni R, Canducci F, Clementi M.
Lancet. 2009 Oct 24;374(9699):1417; author reply 1417-8. No abstract available.
PMID: 19854362 [PubMed - indexed for MEDLINE]
[Related articles](#)

☐ [Using oseltamivir \(Tamiflu\) as a first line treatment for seasonal or pandemic flu.](#)

2. Greener M.
Nurs Times. 2009 Sep 1-7;105(34):22. No abstract available.
PMID: 19788111 [PubMed - indexed for MEDLINE]
[Related articles](#)

☐ [A/H1N1 pandemic. Oseltamivir's adverse events.](#)

3. Strong M, Burrows J, Redgrave P.
BMJ. 2009 Aug 11;339:b3249. doi: 10.1136/bmj.b3249. No abstract available.
PMID: 19671604 [PubMed - indexed for MEDLINE]
[Related articles](#)

☐ [Oseltamivir adherence and side effects among children in three London schools affected by influenza A\(H1N1\)v. May 2009 - an internet-based cross-sectional survey.](#)

4. Kitching A, Roche A, Balasegaram S, Heathcock R, Maguire H.
Euro Surveill. 2009 Jul 30;14(30):19287.
PMID: 19643062 [PubMed - indexed for MEDLINE]
[Related articles](#) [Free article](#)

☐ [Compliance and side effects of prophylactic oseltamivir treatment in a school in South West England.](#)

5. Wallensten A, Oliver I, Lewis D, Harrison S.
Euro Surveill. 2009 Jul 30;14(30):19285.
PMID: 19643061 [PubMed - indexed for MEDLINE]
[Related articles](#) [Free article](#)

☐ [A/H1N1 flu. Time for case-control studies of NSAIDs and oseltamivir.](#)

6. Herxheimer A, Clarke M, Edwards R, Jefferson T, Loke Y.
BMJ. 2009 Jul 28;339:b3048. doi: 10.1136/bmj.b3048. No abstract available.
PMID: 19638383 [PubMed - indexed for MEDLINE]
[Related articles](#)

☐ [What is the optimal therapy for patients with H5N1 influenza?](#)

7. White NJ, Webster RG, Govorkova EA, Uyeki TM.
PLoS Med. 2009 Jun 23;6(6):e1000091. Epub 2009 Jun 23.
PMID: 19554084 [PubMed - indexed for MEDLINE]
[Related articles](#) [Free article](#)

MeSHにとらわれずに検索してみると

Search	Most Recent Queries	Time	Result
#39	Search #38 NOT #29	04:33:52	71
#38	Search ("2006"[Publication Date] : "3000"[Publication Date]) AND (tamiflu "adverse effects")	04:33:08	78
#37	Search <u>tamiflu "adverse effects"</u>	04:32:13	158
#36	Search #35 NOT #29	04:24:19	7
#35	Search ("2006"[Publication Date] : "3000"[Publication Date]) AND (#31 AND #32 AND #33)	04:23:00	14
#34	Search #31 AND #32 AND #33	04:22:34	18
#33	Search "side effects" OR "undesirable effects" OR "injurious effects" OR "adverse effects"	04:22:04	1188677
#32	Search oseltamivir OR tamiflu	04:18:54	1102
#31	Search (swine OR H1N1) AND (flu OR influenza OR virus OR outbreak OR pandemic)	04:18:15	16925
#29	Search #6 AND #27	04:09:32	7

MeSHがついていない

 [Oseltamivir](#)

1. Tullu MS.
J Postgrad Med. 2009 Jul-Sep;55(3):225-30.
PMID: 19884755 [PubMed - in process]
[Related articles](#) [Free article](#)

- [PubMed — as supplied by publisher]
出版社からのデータ
- [PubMed — in process]
NLMで索引作業中 MeSHが付いている
- **[PubMed — indexed for MEDLINE]**
索引作業済みMEDLINEデータ
- [PubMed] MEDLINE収録外データ

MeSH検索注意点

- 検索でヒットしないもの
 - ✓ MeSHがついていない
 - ✓ MeSHが変わっている
 - ✓ AND検索の場合の「制約」

新規性 vs 広さ vs 的確さ

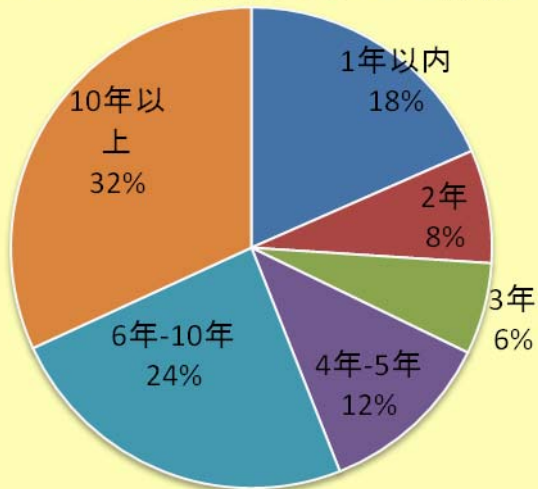
“Gastric cancer”

24, 220

Stomach
Neoplasms[Mesh]

60,306

4526件の内訳
PubMedに搭載された時期



9,694

40,612

Entry Terms:

- Neoplasm, Stomach
- Stomach Neoplasm
- Neoplasms, Stomach
- Neoplasms, Gastric
- Gastric Neoplasms
- Gastric Neoplasm
- Neoplasm, Gastric
- Cancer of Stomach
- Stomach Cancers
- Stomach Cancer
- Cancer, Stomach
- Cancers, Stomach
- Cancer of the Stomach
- Gastric Cancer
- Cancer, Gastric
- Cancers, Gastric
- Gastric Cancers

MeSHが変った時

しっかり補完されているもの

MeSH Heading	Decision Support Techniques
Tree Number	E05.245
Tree Number	L01.700.508.190
Scope Note	Mathematical or statistical procedures used as aids in making a decision. They are frequently used in medical decision-making.
Entry Term	Analysis, Decision
Entry Term	Decision Aids
Entry Term	Decision Analysis
Entry Term	Decision Modeling
Entry Term	Decision Support Technics
Entry Term	Models, Decision Support
See Also	Evidence-Based Medicine
Online Note	use DECISION SUPPORT TECHNIQUES to search DECISION SUPPORT TECHNICS 1988-90
History Note	91; was DECISION SUPPORT TECHNICS 1988-90
Date of Entry	19870406
Unique ID	D003661

Online Noteがついていないものは『要注意』

Online Note がついているものは 補完されている。

Search	Most Recent Queries	Time	Result
#27	Search #4 OR #24	22:27:03	41335
#4	Search "Decision Support Techniques"[Mesh]	22:26:32	41335
#24	Search Decision Support Technics[mh]	22:25:28	41335

2009.8. 28検索

MeSH付与年外

新型インフルエンザ

2006～ Influenza A Virus, H1N1 Subtype

1977 ～ 2005 Influenza A Virus

1968 ～ 1976 Orthomyxoviridae

<div><div>1: Influenza A Virus, H1N1 Subtype</div><div>A subtype of INFLUENZA A VIRUS comprised of the surface proteins hemagglutinin 1 and neuraminidase 1. The H1N1 subtype was responsible for the Spanish flu pandemic of 1918. Year introduced: 2006</div></div>	Links
<div>Previous Indexing:</div> <ul style="list-style-type: none">Influenza A Virus (1978-2005) <div>All MeSH Categories Organisms Category Viruses RNA Viruses Orthomyxoviridae Influenzavirus A Influenza A virus Influenza A Virus, H1N1 Subtype</div>	

MeSH付与年外

MeSH Browser

MeSH Heading	Influenza A Virus, H1N1 Subtype
Tree Number	B04.820.545.405.400.214
Tree Number	B04.909.777.545.405.400.214
Annotation	infection: coordinate IM with INFLUENZA, HUMAN (IM) in humans, or INFLUENZA IN BIRDS (IM) in birds, or ORTHOMYXOVIRIDAE INFECTIONS (IM) in other animals
Scope Note	A subtype of INFLUENZA A VIRUS comprised of the surface proteins hemagglutinin 1 and neuraminidase 1. The H1N1 subtype was responsible for the Spanish flu pandemic of 1918.
Entry Term	H1N1 Virus
Entry Term	Swine-Origin Influenza A H1N1 Virus
Allowable Qualifiers	CH CL DE EN GD GE IM IP ME PH PY RE UL
Previous Indexing	Influenza A Virus (1978-2005)
History Note	2006
Date of Entry	20051110
Unique ID	D053118

Online Note がついていません・・・。

MeSH 付与年外

Search	Most Recent Queries	Time	Result
#42	Search ("1"[Publication Date] : "2005"[Publication Date]) AND (Influenza A Virus, H1N1 Subtype[mh]) Sort by: PublicationDate	05:06:58	420

Bull World Health Organ. 1978;56(6):913-8.

Influenza in China in 1977: recurrence of influenzavirus A subtype H1N1.

Kung HC, Jen KF, Yuan WC, Tien SF, Chu CM.

PMID: 310732 [PubMed - indexed for MEDLINE]

PMCID: 2395678

MeSH Terms

MeSH Terms:

Adolescent
Adult
Child
Child, Preschool
China
Disease Outbreaks
Humans
Infant
Influenza A Virus, H1N1 Subtype*
Influenza A virus/immunology*
Influenza, Human/epidemiology
Influenza, Human/microbiology*
Middle Aged
Recurrence
Serotyping*

LinkOut - more resources

2005年より前の420件のうち
出版年の一番古いものにも
すでに現在のMeSHがつい
ていました。

420件のうち、2006年以後に登
録されたものは10件だけでした

AND検索による制約

例) 変異型クロイツフェルト・ヤコブ病でも認知症になるか？

変異型クロイツフェルト・ヤコブ病

variant creutzfeldt-Jakob disease

variant CJD

vCJD

MeSHターム=**Creutzfeldt-jakob Syndrome**

認知症 : Dementia

MeSH ターム=**Dementia**

検索式:

variant creutzfeldt-Jakob OR variant CJD OR vCJD

AND

Creutzfeldt-jakob Syndrome[majr]

AND

Dementia[majr]

検索をしましたけど・・・

Search	Most Recent Queries	Time	Result
#6	Search #3 OR #5	07:07:45	722
#5	Search (dementia[majr]) AND #3	07:06:48	722
#4	Search dementia[majr]	07:06:25	71616
#3	Search #1 AND #2	07:05:19	722
#2	Search "Creutzfeldt-Jakob Syndrome"[MeSH Major Topic]	07:03:41	3813

2009.11.8 検索

なにが問題かわかりになりますか？・・・



同じ？

変異型クロイツフェルト・ヤコブ病

変異型クロイツフェルト・ヤコブ病
AND
認知症

MeSH DB

1: [Creutzfeldt-Jakob Syndrome](#)

[Links](#)

A rare transmissible encephalopathy most prevalent between the ages of 50 and 70 years. Affected individuals may present with sleep disturbances, personality changes, ATAXIA; APHASIA, visual loss, weakness, muscle atrophy, MYOCLONUS, progressive dementia, and death within one year of disease onset. A familial form exhibiting autosomal dominant inheritance and a new variant CJD (potentially associated with ENCEPHALOPATHY, BOVINE SPONGIFORM) have been described. Pathological features include prominent

[All MeSH Categories](#)

[Diseases Category](#)

[Nervous System Diseases](#)

[Central Nervous System Diseases](#)

[Brain Diseases](#)

[Dementia](#)

Creutzfeldt-Jakob Syndrome

Exploding : (Explode)
デフォルトで下位のコトバ(概念)を含む

ということでしょうか？

variant creutzfeldt-Jakob Diseases

AND

Dementia

All MeSH Categories

Diseases Category

Nervous System Diseases

Central Nervous System Diseases

Brain Diseases

Dementia

AIDS Dementia Complex

Alzheimer Disease

Aphasia, Primary Progressive

Creutzfeldt-Jakob Syndrome

Dementia, Vascular

CADASIL

Dementia, Multi-Infarct

Huntington Disease

Kluver-Bucy Syndrome

Lewy Body Disease

Pick Disease of the Brain

MeSH Terms:

Adult

Cognition Disorders/diagnosis*

Cognition Disorders/etiology*

Creutzfeldt-Jakob Syndrome/complications*

Creutzfeldt-Jakob Syndrome/psychology*

Female

Humans

Language

Male

Memory/physiology

Neuropsychological Tests

Problem Solving/physiology

Retrospective Studies

Visual Perception/physiology

ExplodeしないMeSHを選ぶ

☐ 1: Dementia

[Links](#)

An acquired organic mental disorder with loss of intellectual abilities of sufficient severity to interfere with social or occupational functioning. The dysfunction is multifaceted and involves memory, behavior, personality, judgment, attention, spatial relations, language, abstract thought, and other executive functions. The intellectual decline is usually progressive, and initially spares the level of consciousness.

Year introduced: 1981(1963)

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

☐ blood ☐ cerebrospinal fluid ☐ chemically induced ☐ chemistry ☐ classification ☐ complications
☐ congenital ☐ diagnosis ☐ diet therapy ☐ drug therapy ☐ economics ☐ enzymology ☐ epidemiology
☐ ethnology ☐ etiology ☐ genetics ☐ history ☐ immunology ☐ isolation and purification ☐ legislation and
jurisprudence ☐ metabolism ☐ microbiology ☐ mortality ☐ nursing ☐ parasitology ☐ pathology
☐ physiology ☐ physiopathology ☐ prevention and control ☐ psychology ☐ radiography ☐ radionuclide
imaging ☐ rehabilitation ☐ surgery ☐ therapeutic use ☐ therapy ☐ transmission ☐ ultrasonography ☐ urine
☐ virology

☐ Restrict Search to Major Topic headings only.

☐ Do Not Explode this term (i.e., do not include MeSH terms found below this term in the MeSH tree).



この場合の検索式の例

検索式:

"variant creutzfeldt-Jakob" OR "variant CJD" OR "vCJD"
AND
Creutzfeldt-jakob Syndrome[majr]
AND
Dementia[majr:noexp]

Search	Most Recent Queries	Time	Result
#11	Search #5 NOT #8	08:20:49	721
#8	Search #7 AND #3	08:18:31	1
#6	Search #3 OR #5	08:13:24	722
#7	Search dementia[majr:noexp]	07:47:59	21824
#5	Search (dementia[majr]) AND #3	07:06:48	722
#4	Search dementia[majr]	07:06:25	71616
#3	Search #1 AND #2	07:05:19	722
#2	Search "Creutzfeldt-Jakob Syndrome"[MeSH Major Topic]	07:03:41	3813
#1	Search "variant creutzfeldt-jakob" OR "variant CJD" OR "vCJD"	06:57:56	1187

その他 検索結果への注意点

結果が多過ぎる時

- メジャートピックにしてみる
- 下位語を含まないにしてみる
- 適切な検索語か？
- 安易にNOT検索をしない

少ない時

- スペルミスをしていないか？
- 文字のみに捉われていないか
- 掛け合わせを減らしてみる
- 検索語概念を広げてみる

MeSHも弱点がある

MeSHの弱点を補えばよい。

→ タイトル、抄録に範囲限定した
自由語検索や
フレーズ検索を追加する
“gastric cancer”[TIAB]



MeSHが怖くなるには

- MeSHを知る
- PubMedを知る
- 新しい情報を得る
- MeSHのつき方を知る

MeSHを知る

PubMed.gov
U.S. National Library of Medicine
National Institutes of Health

Search PubMed
Advanced search Help
Search Clear

Webcast: 2009 PubMed Redesign (October 2009)

PubMed Tutorial

The PubMed Tutorial is based on the NLM's one-day PubMed training course.

Quick Tours

The following are brief animated tutorials with audio for using PubMed. Running times are in minutes.

Searching PubMed

- [Search PubMed for an Author](#) (3 min., September 2009)
- [Searching PubMed by Author and Subject](#) (1 min., September 2009)
- [PubMed Simple Subject Search](#) (1 min., September 2009)
- [Search for a Journal](#) (3 min., September 2009)

Managing Results

- [Download](#) (2 min., September 2009)

PubMed's MeSH Database

- [Searching with the MeSH Database](#) (3 min., October 2009)
- [Combining MeSH Terms Using the MeSH Database](#) (4 min., October 2009)
- [Applying Subheadings and Other Features of the MeSH Database](#) (5 min., October 2009)

My NCBI

- [Retrieving](#) (2 min., October 2009)
- [Saving](#) (2 min., October 2009)
- [Collection](#) (2 min., October 2009)
- [Creating](#) (2 min., October 2009)
- [Filters](#) (2 min., October 2009)
- [E-mail Alerts](#) (2 min., October 2009)

*Not yet updated with the PubMed redesign (October 2009).

[Search Clinic: PubMed® Update on Automatic Term Mapping, Citation Sensor, and Advanced Search](#)

[Search Clinic: Chemicals & Drugs in PubMed](#) (Recording of Online Instruction, August 2009)

[The Basics of Medical Subject Headings \(MeSH®\) in MEDLINE®/PubMed®](#) (Instructional Video)

[Branching Out: The MeSH® Vocabulary](#) (Instructional Video)

For additional instruction on using PubMed, see the following resources:

United States
National Library of Medicine
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Home > Distance Education Resources > Basics of MeSH®

The Basics of Medical Subject Headings (MeSH®) in MEDLINE®/PubMed®

Learn more about Medical Subject Headings (MeSH) and how to use them to search MEDLINE®/PubMed® for medical literature and information.

- [Introduction](#)
What is MeSH?
- [MeSH Heading Tree Structures](#)
Organization of the MeSH Vocabulary.
- [Principles of MEDLINE Subject Indexing](#)
How MeSH terminology is used to describe articles in MEDLINE/PubMed.
[Principles](#) | [The Indexing Process](#) | [Finding Terms](#) | [Major Topics](#) | [Coordination](#) | [Depth of Indexing and the Rule of Three](#) | [Example of MeSH Indexing](#)
- [The MeSH Database](#)
Building a search strategy for PubMed.
- [Searching PubMed using MeSH Vocabulary Search Field Tags](#)
- [Indexing for Chemicals and Drugs](#)
- [Pharmacological Action Terms](#)
- [Searching for Chemicals and Drugs](#)
- [Further Information about Chemical Searching](#)

Fact Sheets

- [MeSH Fact Sheet](#)
- [MEDLINE Fact Sheet](#)
- [PubMed Fact Sheet](#)

Databases

- [MeSH Database](#)
- [PubMed](#)

Instruction

- [Branching Out: The MeSH Vocabulary \(Video\)](#)
- [PubMed Online Training](#)
- [Online Indexing Training Module](#)
- [Using Medical Subject Headings \(MeSH\) in Cataloging](#)

Resources

- [MeSH Home](#)
- [Intro to MeSH](#)
- [NLM Technical Bulletin](#)
- [PubMed Help](#)

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National Institutes of Health, Health & Human Services



Medical Subject Headings



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MeSH Browser

- [Online searching](#) of MeSH vocabulary
- [About](#) the MeSH Browser
- [Suggestions](#) for authors' keywords



All About MeSH

- [MeSH Fact Sheet](#)
- [Publications and presentations](#) by MeSH staff
- [Introduction](#) to MeSH
- [Information from Previous Years](#)



Obtaining MeSH

- [Download](#) electronic copies.
- Lists of [Annual Changes to MeSH](#).



Citation Maintenance

- [About Updates](#).
- [Download](#) XML Files.



MeSH vocabulary suggestions.

- [MeSH vocabulary suggestions.](#)



What's New

- [2010 MeSH Files Available](#)

Related Efforts

- [Unified Medical Language System \(UMLS®\)](#)
- [NLM Classification](#)
- [RxNorm](#)
- [DailyMed](#)

MeSH Staff



- [Biographies and email](#)
- [Publications and presentations](#)

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PubMedを知る



Webcast: 2009 PubMed Redesign (October 2009)

PubMed Tutorial

The PubMed Tutorial is based on the NLM's one-day **PubMed training course**.

Quick Tours

The following are brief [animated tutorials](#) with audio for using PubMed. Running times are rounded.

Using PubMed

- PubMed Quick Start
- PubMed Tutorials**
- Full Text Articles
- PubMed FAQs

Searching PubMed

- [Search PubMed for an Author](#) (3 min., September 2009)
- [Searching PubMed by Author and Subject](#) (1 min., September 2009)
- [PubMed Simple Subject Search](#) (1 min., September 2009)
- [Search for a Journal](#) (3 min., September 2009)

Managing Results

- [Downloading Results](#) (2 min., November 2009)

PubMed's MeSH Database

- [Searching with the MeSH Database](#) (3 min., October 2009)
- [Combining MeSH Terms Using the MeSH Database](#) (4 min., October 2009)
- [Applying Subheadings and Other Features of the MeSH Database](#) (5 min., October 2009)

My NCBI

- [Retrieving Your My NCBI](#) (2 min., November 2009)
- [Saving Searches](#) (3 min., November 2009)
 - [Changing Saved Searches](#)
- [Collections](#) (3 min., November 2009)
 - [Editing Collections](#)
 - [Sharing Collections](#)
- [Creating Your Bibliography](#) (5 min., November 2009)
 - [Library LinkCutter](#)
 - [Custom Filter](#)
- [E-mail Alerts for My NCBI](#) (revised March 2009)

*Not yet updated with the PubMed redesign (October 2009).

[Search Clinic: PubMed® Update on Automatic Term Mapping, Citation Sensor, and Advanced Search](#)

[Search Clinic: Chemicals & Drugs in PubMed](#) (Recording of Online Instruction, August 2007)

[The Basics of Medical Subject Headings \(MeSH®\) in MEDLINE®/PubMed®](#) (Instructional Web site)

[Branching Out: The MeSH® Vocabulary](#) (Instructional Video)

For additional instruction on using PubMed, see the following resources:

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National Training Center and Clearinghouse (NTCC)

The National Training Center and Clearinghouse (NTCC) in the National Network of Libraries of Medicine (NN/LM) supports a variety of training opportunities for NN/LM members and for health professionals. The NTCC sponsors more than 40 classroom sessions across the country each year as well as Web-based training on the National Library of Medicine's (NLM) information resources. The training is provided to health professionals, librarians, other professional groups, and members of the general public.

In addition to providing training, the NTCC focuses on developing Web-based tutorials, maintains a Web site and also manages a searchable database with links to web-based health education training materials.


Beginning May 1, 2009 a new workbook policy will be implemented. Due to the continuing rise in printing and shipping costs, the National Training Center and Clearinghouse (NTCC) will NO longer provide workbooks for class participants. It will be the responsibility of each registered class participant to produce and bring the various workbooks to the classes for which he/she is registered. Classes held at the National Library of Medicine in Bethesda, MD are not included in this new policy.

Participants may download and print out the workbooks from the [NLM](#) website. The PubMed® and NLM Gateway/ClinicalTrials.gov workbooks are available in two formats: Microsoft Word and PDF (Adobe Acrobat). The TOXNET® and Beyond workbook is available in one format: PDF (Adobe Acrobat). The Adobe Acrobat reader is freely available for download from [Adobe's website](#).

- Class Information**
 - [Class Descriptions](#)
 - [Schedule by Class](#)
 - [Schedule by Region](#)
 - [Register for a Class](#)
- NTCC CALIBRATES**
- NLM Training Manuals**
- FAQs**
- [Educational Clearinghouse Database](#)
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The National Training Center and Clearinghouse (NTCC) of [The National Network of Libraries of Medicine](#) is located at [The New York Academy of Medicine](#). The NTCC is funded by the National Library of Medicine (NLM), Contract Number NO1-LM-1-3521.

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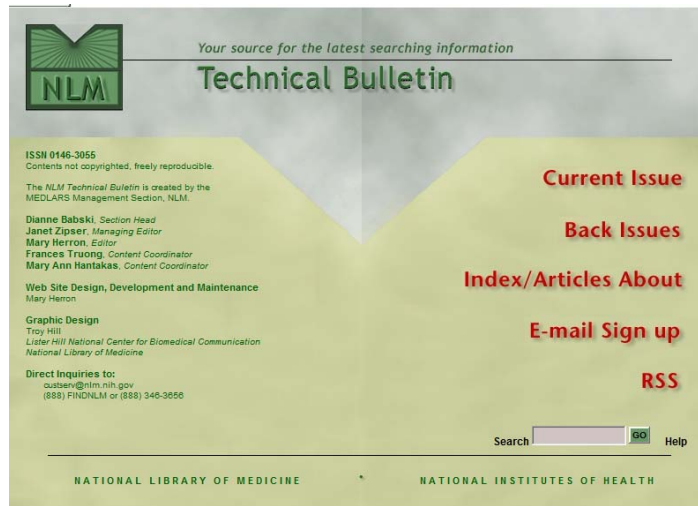
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新しい情報を得る



図解PubMedの使い方 インターネットで医学文献を探す 第3版



阿部信一 奥出麻里 共著

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[補足情報・PubMed変更点](#)

第2版刊行後、追加強化されたMy NCBI、Clinical Queries、Preview/Index、MeSH自動マッピングなどの機能についても詳述。



MeSHのつき方を知る

- 適合論文のMeSHタームを見る
- 人の検索式を見る
ガイドラインの検索式など

(2) PubMed

1) 検索年限 出版年 1990-2004

2) 検索日 2004/7/2

3) 検索式

- #1 pancreatic neoplasms[MeSH]
- #2 pancreatitis[MeSH]
- #3 diabetes mellitus[MeSH]
- #4 #1 and #2
- #5 #1 and #3
- #6 risk factors[MeSH]
- #7 risk[MeSH]
- #8 alcohol drinking[MeSH]
- #9 aging[MeSH]
- #10 life style[MeSH]
- #11 smoking[MeSH]
- #12 oncogene[MeSH]
- #13 #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12
- #14 #1 and #13
- #15 english[la] or japanese[la]
- #16 #14 and #15
- #17 randomized controlled trial[pt] or controlled clinical trial[pt] clinical trial
- #18 #16 and #17
- #19 #18 limit publication date from 1990 to 2004

4) 検索件数 86件

出典: Minds: 膵癌【日本膵臓学会膵癌診療GL作成小委員会編/医療・GJ(06年)】 CQ1-1 検索式(2) PubMed (http://minds.jcqhc.or.jp/stc/0037/1/0037_G0000105_0022.html)

おわりに

シソーラス用語をつかった検索は、
主題の専門家ではない私たち図書館員にとって、
核心にせまった検索をするための
重要なToolの1つとなります。
怖がらずに仲良くなりましょう



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慈恵会医科大学の阿部様
JMLA教育委員会の諏訪部様
ガイドラインWGの河合様
第16回医学図書館研究会継続教育コース実行委員の皆さまに
大変、世話になりました。ありがとうございました。