

# PubMed

## 講習会（上級編）

京都府立医科大学附属図書館

2008.7.29-30

# 本日の予定

- PubMedの基本
  - PubMedとは
  - 検索結果の見かた
- 応用編
  - 今どんな検索をしたか？ Details
  - 絞り込み Limits
  - 検索結果の使用 History
  - 雑誌について調べたい Journals Database
  - 自分用にPubMedをカスタマイズ My NCBI
  - 臨床検索フィルター Clinical Queries
- 演習

# PubMedの基本

- PubMed (MEDLINE) の作成者
  - NLM (米国医学図書館)
  - 母体となっているのは、冊子体の索引誌「Index Medicus」
- MEDLINEの収録内容
  - 米国を中心に約70カ国で発行されている、4000誌以上の(主として)雑誌文献を収録
  - 1950年以降に発行された論文を検索可能

# PubMedの基本

NCBI PubMed A service of the U.S. National Library of Medicine and the National Institutes of Health www.pubmed.gov

Query Box

My NCBI [Sign In] [Register]

All Databases PubMed Nucleotide Protein Genome Structure OMIM PMC Journals Books

Search PubMed for anisakiasis Go Clear Advanced Search (beta)

Feature Tab: Limits Preview/Index History Clipboard Details

Side bar:

- About Entrez
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- Entrez PubMed
- Overview
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- Tutorials
- New/Noteworthy
- E-Utilities
- PubMed Services
- Journals Database
- MeSH Database
- Single Citation Matcher
- Batch Citation Matcher
- Clinical Queries
- Special Queries
- LinkOut
- My NCBI
- Related Resources
- Order Documents
- NIH Mobile

To get started with PubMed, enter one or more search terms.

Search terms may be [topics](#), [authors](#) or [journals](#).

Public Access Policy May Affect You

NIH fund your work?

Then your manuscript must be made available in PubMed Central

How?

If you publish in one of [these journals](#), they will take care of the whole process.

If you publish *anywhere else*, deposit the manuscript in PubMed Central via one of the options described at [publicaccess.nih.gov](#).

PubMed is a service of the [U.S. National Library of Medicine](#) that includes over 18 million citations from MEDLINE and other life science journals for biomedical articles back to the 1950s. PubMed includes links to full text articles and other related resources.

My NCBI へのリンク

# 検索結果の表示

[Sergiev VP, Uspenskiĭ AV, Romanenko NA, Gorokhov VV, Supriaga VG, Starkova TV, Morozov EN, Chernikova EA](#)

抄録  
なし



["New and recurring" helminthiasis as a potential factor of socioepidemic complications in Russia]  
Med Parazitol (Mosk). 2005 Oct-Dec;(4):6-8 **Russian**. No abstract available.  
PMID: 16445229 [PubMed - indexed for MEDLINE]

記述言語(英語以外の場合)

[Marques JF, Cabral HN, Busi M, D'Amelio S.](#)

抄録  
あり



Molecular identification of Anisakis species from Pleuronectiformes off the Portuguese coast.  
J Helminthol. 2006 Mar;80(1):47-51. ← 略誌名, 出版年月; 卷(号); ページ  
PMID: 16469172 [PubMed - indexed for MEDLINE]

[Idefonso C, Rodríguez I, Pérez-Holanda S, Fernández A, Llera JM, Mendez B, Granero J.](#)



[Acute intestinal anisakiasis]  
Cir Esp. 2005 Jul;78(1):59-60 **Spanish**. No abstract available.  
PMID: 16420795 [PubMed - indexed for MEDLINE]

無料EJあり

[Cho TH, Park HY, Cho S, Sohn J, Yoon YW, Cho JE, Cho SW.](#)



The time course of biological and immunochemical allergy states induced by anisakis simplex larvae in rats.  
Clin Exp Immunol. 2006 Feb;143(2):203-8.  
PMID: 16412043 [PubMed - indexed for MEDLINE]

無料EJあり

# 検索結果の表示変更・ダウンロード

The screenshot displays a search results interface with several interactive elements:

- Display:** A dropdown menu currently set to "Summary". Other options include Brief, Abstract, AbstractPlus, Citation, MEDLINE, XML, UI List, LinkOut, ASN.1, Related Articles, Cited in Books, CancerChrom Links, Domain Links, 3D Domain Links, GEO DataSet Links, Gene Links, Gene (OMIM) Links, Gene (GeneRIF) Links, Genome Links, Project Links, GENSAT Links, and GEO Profile Links.
- Items:** A section on the left with checkboxes and icons, showing "All: 2" items.
- Show:** A dropdown menu set to "20". Other options are 5, 10, 20, 50, 100, 200, and 500.
- Sort By:** A dropdown menu with options: Sort By, Pub Date, First Author, Last Author, Journal, and Title.
- Send to:** A dropdown menu with options: Send to, Text, File, Printer, Clipboard, Collections, E-mail, RSS Feed, and Order.

The main content area shows search results, including a snippet for "Himle T. echocardiography in predicting cl... tolic dysfunction." and another for "luable method of evaluating haemodynamic parameters.".

# Display (表示形式) について

- Summary形式
  - 基本的な事項 著者、論題、雑誌名など
- Abstract形式
  - 抄録、電子ジャーナルへのリンクアイコン
- Abstract Plus形式
  - Abstract形式+関連文献へのリンク
- MEDLINE形式
  - 全てのデータ EndNoteへの取込時に使用

# Send Toによるデータの保存

- File

- テキストファイルとして保存する

- Clipboard

- チェックした文献を一時的に保存する(8時間)

- Collection

- チェックした文献を、「My NCBI」に保存する

# PubMedデータの変遷

[PubMed as supplied by publisher]

雑誌出版社からデータが送られてくる

[PubMed in process]

書誌事項の確認や索引付けなどを行う

[PubMed indexed for MEDLINE]

MEDLINEデータとして登録する

[PubMed]

索引付けしないがPubMedデータとして残すもの

# 今どんな検索をしたか？

## Details

- PubMedがどんな検索をしたのかを見ることができる
- PubMedのAuto Term Mappingにより、検索者が入力したキーワードは、自動的に関連語を広く検索している
- MeSH (Medical Subject Headings) が使用されている

# Auto Term Mappingとは

- Lung Cancerと入力したときのDetails画面  
"lung neoplasms"[MeSH Terms] OR  
("lung"[All Fields] AND "neoplasms"  
[All Fields]) OR "lung neoplasms"  
[All Fields] OR ("lung"[All Fields] AND  
"cancer"[All Fields]) OR "lung cancer"  
[All Fields]

# MeSHとAuto Term Mapping

- Medical Subject Headings (医学件名標目)
- 検索を効率的にするためのシソーラス
- 1つのPubMedデータに10以上付与



# 絞り込み: Limits

- 著者・雑誌名・フルテキスト

**Limits** Preview/Index History Clipboard\* Details

Limit your search by any of the following criteria.

**Search by Author**

**Author Name** (see [help](#))

[Add Another Author](#)

All these authors  
 Any of these

**Search by Journal**

**Journal Name** (Title or abbreviation)

[Add Another Journal](#)

Results will be from any of these journals.

**Full Text, Free Full Text, and Abstracts**

Links to full text  Links to free full text  Abstracts

# 絞り込み: Limits

## ■ 出版年月日・データ追加日

The screenshot shows the 'Limits' search interface. The 'Dates' section is active, and a dropdown menu is open for 'Published in the Last:'. The menu options are: Any date, 30 days, 60 days, 90 days, 180 days, 1 year, 2 years, 3 years, 5 years, 10 years, and Specify date range (YYYY/MM/DD). The 'Specify date range' option is highlighted in blue. Other sections visible include 'Full Text, Free Full Text, and Abstracts' with checkboxes for 'Links to full text', 'Links to free full text', and 'Abstracts'. There are also sections for 'Humans or Animals' and 'Languages'.

期間の指定  
または  
日付の指定

The screenshot shows the 'Limits' search interface with the 'Dates' section. The 'Published in the Last:' dropdown is set to 'Specify date range (YYYY/MM/DD)'. Below it, the 'Published Date' is set to '2007' in the year field, with 'to' and empty fields for month and day. A note below reads: 'Format: YYYY/MM/DD. Month and days are optional'. The 'Added to PubMed in the Last:' dropdown is set to 'Any date'.

日付の指定は  
年だけでもOK

# 絞り込み: Limits

- 言語の指定
- サブセット
  - 雑誌の分野、トピックで絞る

**Languages** CLEAR

- English
- French
- German
- Italian
- Japanese
- Russian
- Spanish

**More Languages**

- Afrikaans
- Albanian
- ...

**Subsets** CLEAR

**Journal Groups**

- Core clinical journals
- Dental journals
- Nursing journals

**Topics**

- AIDS
- Bioethics
- Cancer
- Complementary Medicine
- History of Medicine

# 絞り込み: Limits

- 論文タイプ
- 被験者の年齢

Type of Article CLEAR

- Clinical Trial
- Editorial
- Letter
- Meta-Analysis
- Practice Guideline
- Randomized Controlled Trial
- Review

**More Publication Types**

- Addresses
- Bibliography
- ...

Ages CLEAR

- All Infant: birth-23 months
- All Child: 0-18 years
- All Adult: 19+ years
- Newborn: birth-1 month
- Infant: 1-23 months
- Preschool Child: 2-5 years
- Child: 6-12 years
- Adolescent: 13-18 years
- Adult: 19-44 years
- Middle Aged: 45-64 years
- Middle Aged + Aged: 45+ years

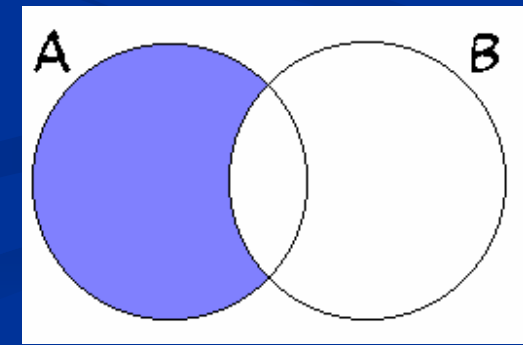
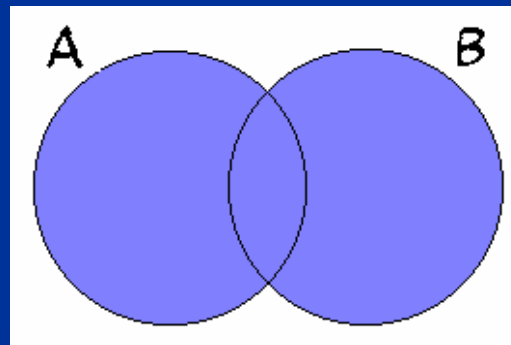
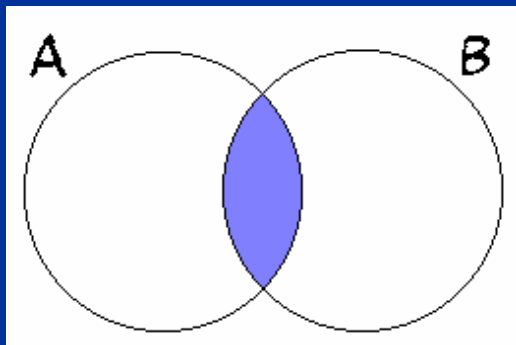
# Limitsの使用例

- インフルエンザ influenza
- ノイラミニダーゼ阻害薬の効果  
neuraminidase
- 70歳 男性の文献への絞り込み
  - Limits: Male Aged 65+ years

# 検索結果の再利用: History

## ■ AND OR NOT

- AND: 検索結果AとBに共通するデータ
- OR: 複数キーワードのどれか1つ以上を含むデータ
- NOT: 検索結果Aから検索結果Bに関する文献を除いたデータ



# Historyの使用例

- # 1 : 高血圧
- # 2 : 薬物療法
- 高血圧－薬物療法 # 1 not # 2

Search	Most Recent Queries	Time	Result
<a href="#">#3</a>	Search #1 not #2	18:06:40	<a href="#">215775</a>
<a href="#">#2</a>	Search drug therapy	18:06:28	<a href="#">1538494</a>
<a href="#">#1</a>	Search hypertension	18:05:38	<a href="#">287784</a>

# 雑誌について調べたい Journals Database

The screenshot shows the PubMed website interface. At the top, the NCBI logo is on the left, and the PubMed logo with the URL [www.pubmed.gov](http://www.pubmed.gov) is in the center. To the right, it says "A service of the U.S. National Library of Medicine and the National Institutes of Health" and includes "My NCBI" with "Sign In" and "Register" links. Below the header is a navigation bar with tabs for "All Databases", "PubMed", "Nucleotide", "Protein", "Genome", "Structure", "OMIM", "PMC", "Journals", and "Books". A search bar is present with "PubMed" selected in a dropdown menu, and buttons for "Go", "Clear", and "Advanced Search (beta)". Below the search bar are buttons for "Limits", "Preview/Index", "History", "Clipboard", and "Details".

On the left side, there is a sidebar menu with the following items:

- About Entrez
- Text Version
- Entrez PubMed
  - Overview
  - Help | FAQ
  - Tutorials
  - New/Noteworthy
  - E-Utilities
- PubMed Services
  - Journals Database** (highlighted with a red box)
  - MESH Database
  - Single Citation Matcher
  - Batch Citation Matcher
  - Clinical Queries
  - Special Queries
  - LinkOut
  - My NCBI

The main content area displays a search result for "Bulletin of experimental biology and medicine". The result is listed as "1:" and includes the following information:

- Title:** Bulletin of experimental biology and medicine
- ISSN:** 0007-4888 (Print)
- Title Abbreviation:** Bull Exp Biol Med
- ISO Abbreviation:** Bull. Exp. Biol. Med.
- Publication Start Year:** 1956
- Publisher:** Springer
- Language:** English
- Country:** United States
- Subject Term(s):** Biology  
Medicine
- NLM ID:** [0372557](#)

# 自分用にPubMedをカスタマイズ My NCBI

- Filters 検索フィルター
  - 選択した項目をタブで分ける
- User Preferences
  - 検索キーワードのハイライト

The screenshot displays the My NCBI PubMed interface. At the top, there are controls for 'Display' (set to Summary), 'Show' (set to 20), 'Sort By', and 'Send to'. Below these are tabs for search filters: 'All: 22294', 'Free full text: 3592', 'Japanese: 256', 'Links to PMC: 697', and 'Meta-analysis: 145'. The main content area shows 'Items 1 - 20 of 22294' and a pagination control for 'Page 1 of 1115 Next'. Two search results are visible:

- Item 1: [Yancey V, Yakimo R, Perry A, McPherson TB.](#) Perceptions of pharmaceutical care among pharmacists offering compounding services. J Am Pharm Assoc (2003). 2008 Jul-Aug;48(4):508-14. PMID: 18653427 [PubMed - in process].
- Item 2: [Horwitz KB, Sartorius CA.](#) Progestins in **hormone replacement** therapies reactivate cancer stem cells in women with pre-existing breast cancers: a hypothesis.

# 自分用にPubMedをカスタマイズ My NCBI

- Searches and Collections
  - 検索式を保存・アラート設定
  - 検索したデータの保存

**My Saved Searches and Collections**

[Searches](#)  [Collections](#)

<input type="checkbox"/> PubMed Collections ▼ ▲	Last Modified ▼ ▲	Details ▼ ▲
<input type="checkbox"/> <a href="#">hormone replacement therapy</a>	today	<a href="#">2 items</a>

# 臨床検索フィルター ~ Clinical Queries ~

- 臨床関連の文献を探す時
- 3分で探したい時

## Search by Clinical Study Category

This search finds citations that correspond to a specific clinical study category. The search may be either broad and sensitive or narrow and specific. The search filters are based on the work of [Haynes RB et al.](#) See the [filter table](#) for details.

Search

Category	Scope
<input type="radio"/> etiology	<input checked="" type="radio"/> narrow, specific search
<input type="radio"/> diagnosis	<input type="radio"/> broad, sensitive search
<input checked="" type="radio"/> therapy	
<input type="radio"/> prognosis	
<input type="radio"/> clinical prediction guides	

# 演習

乳癌の既往歴がある55歳の女性  
エストロゲンによるホルモン補充療法を行おうと思うが、  
乳癌のリスクは増大しないかどうか調べたい。  
フリーでフルテキストが見られる文献で、できれば日本語、  
無理なら英語の文献が見たい。

- ・ホルモン補充療法 (Hormone Replacement Therapy)
- ・エストロゲン (Estrogen)
- ・乳癌 (Breast Cancer)
- ・リスク (Risk)
- ・女性
- ・55歳