



4-3E Let's search MEDLINE (EBSCOhost edition) using MeSH Medical Science, Life Science Fields

On-campus only

MEDLINE is a worldwide database of medical and life science fields created and provided by U. S. National Library of Medicine. It contains bibliographic information of around 5,600 journals from more than 80 countries in the world published after 1947 (some data is even older). You can search for bibliographic information (title, author, journal title, and abstract) using keywords for medical terms, authors, title, etc.

<How to Access>

1. Open Nagoya University Library homepage http://www.nul.nagoya-u.ac.jp/index_e.html.
2. In Quick Links section select "Search Articles" and select "EBSCOhost".
3. Click on the "MEDLINE" on the EBSCOhost databases select screen.

※You can change the display language to move mouse pointer over on the upper right side of the screen.

<Search Method, Search Tips>

In this sheet, it is explained how to search using MeSH, a distinctive feature of MEDLINE search. For basic search method please refer to 「MEDLINE User Guide」 http://support.ebsco.com/knowledge_base/detail.php?id=2563

<What is MeSH? >

What is controlled term?

It is a word which unifies numerous expressions such as synonyms or thesaurus into one representative word. It makes it possible to avoid search leakage and noise resulted from words with many different expressions.

What is MeSH?

MeSH is Medical Subject Headings; it is a glossary of controlled terms, related to life science. This will allow searching without leakage regardless of the words written in the title or abstract therefore, finding more appropriate resources. For example, in case of word "cancer", there are words with the same meaning but different expression ("cancer", "carcinoma", "neoplasm", etc.). Using terms set by MeSH, you can search for resources related to word "cancer" without leakage.

expressions in article		MeSH		MEDLINE keyword
<i>Cancer</i>				
<i>Carcinoma</i>	⇒	MeSH search	⇒	<i>Neoplasms</i>
<i>Neoplasm</i>				

<Searching MeSH>

There are two ways of searching MeSH. (A) Search from MeSH search screen and (B) search from MEDLINE search screen. When entering keyword/s and search, MeSH terms and related MeSH terms appropriate to this keyword/s will be displayed.

The screenshot shows the EBSCOhost search interface. Two methods are highlighted with red callouts:

- (A) Click to go to MeSH Search:** Points to the "MeSH" tab in the top navigation bar.
- (B) Check the box Suggest Subject Terms before enter keywords and click Search to view MeSH search results.** Points to the "Suggest Subject Terms" checkbox in the search area.

Other annotations include:

- "Enter keywords and click **Browse** to view MeSH search results" pointing to the "Browse" button in the MeSH search box.
- "Enter keywords and click **Search** to view MeSH search results" pointing to the "Search" button in the MEDLINE search area.

< Search Results >

If you check a box before MeSH term, that term added to search term, and available subheadings will be displayed. If you checked the necessary box/es and clicked [Search Database], articles matching the criteria will be searched. Also, if click on MeSH term itself Tree View screen will be displayed.

Results For: Lung Cancer

Subheadings for: Lung Neoplasms

Search Database

Check box to view subheadings. Click linked term for tree view.

Appropriate MeSH

Explose (+) Major Concept Scope

Include All Subheadings Or select one or more subheadings to restrict your search

Search Term Explose (+) Major Concept

Lung Neoplasms

Check the MeSH and other conditions are displayed

Related MeSH

Refine search articles related to Genetics

Check to search as keyword, not using MeSH

If check box **Explose (+)**, you can also search for **narrower terms** of that word.

If use Tree View (explained below), you can set which of the selected narrower terms of MeSH should be included in search of which term.

- (1) If check **Major Concept** box, you can search only for articles in which that words are the main topic.
- (2) If click on **Scope** note mark, the meaning of MeSH term and its usage will be displayed.
- (3) If check box next to MeSH term, **Subheadings** will be displayed. You can restrict your search by selecting proper subheading. Selecting is optional.

[Tree View of MeSH]

If click on MeSH term, **broader terms** **narrower terms**

of MeSH term will be expanded.

From Tree View screen you can also search for articles by selecting subheading, set [extensions (+)] and [major concepts].

If click on +, more of narrower terms will be displayed

Back to Term List

Tree View For: Lung Neoplasms

Check box to view subheadings. Click linked term for tree view.

Explose (+) Major Concept

Neoplasms

Neoplasms by Site

Thoracic Neoplasms

Respiratory Tract Neoplasms

Lung Neoplasms

Bronchial Neoplasms

Selected MeSH

broader terms

narrower terms

Next step

- **PubMed** Almost the same content as MEDLINE, free website.
<http://www.ncbi.nlm.nih.gov/sites/entrez?otool=ijpnagoulib> (special URL for Nagoya University)
 ⇒ Please refer to **Guide Sheet 4-6E "Let's search PubMed"**
- **Medical science databases provided by EBSCOhost**
 - **CINAHL** Database for nursing and medical technology literature.
 In [CINAHL Heading] search using controlled terms.
<http://search.ebscohost.com/login.asp?profile=ehost&defaultdb=cin20>
 - **Cochrane Collection Plus** Information source for "Evidence-based Medicine". It consists of 6 databases.
 ⇒ Please refer to **Guide Sheet 4-0E "Let's search EBSCOhost"**