PubMed/MeSH
- Medical Subject Headings
(Advanced Course: Module 1)

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Before logging into the Partner Publisher services websites, we will Login to the HINARI site using the URL http://www.who.int/hinari/

Our expanded authentication system is currently requiring a second login of your HINARI, AGORA, OARE or ARDI access accounts for some publishers. We apologize for the inconvenience and are working to reduce the need for this second login request.

We will need to enter our HINARI User Name and Password in the appropriate boxes, then click on the Login button. To have access to the full text articles, you must properly sign in.

Since the migration to a new authentication server (Jan. 2014), we strongly recommend use of Chrome or Mozilla. If you use Internet Explorer, you will need to login twice.
If you are using Internet Explorer, repeat the Login process on this 2nd page and you will be redirected to the HINARI Contents page.

Once you are logged in to the HINARI Content page, access PubMed by clicking on Search inside HINARI full-text using PubMed.
Welcome to the PubMed Homepage. Part 3 will look at MeSH or Medical Subject Headings.

To access the MeSH Database, click on the link from the right column of the PubMed home page. A second way to access MeSH is to open the Databases drop down menu and then to click on MeSH.

September 2015

MeSH is the controlled vocabulary for indexing articles for MEDLINE. MeSH Terms are assigned as Keywords to each record that is "Indexed for MEDLINE". In MeSH, we will complete search for the term malaria.

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From these results we note that the MeSH has listed 9 terms for Malaria.

The record for a MeSH term (Malaria) contains the definition, associated subheadings, a list of entry terms, and the tree view of MeSH. Highlighted is the definition provided for Malaria. Note the subheadings listed on this page.
If you click on Subheadings on the malaria MeSH term page, the Qualifiers and their definitions will be displayed.

To complete a PubMed search with the Malaria MeSH term, we first will click on Add to search builder and then click on Search PubMed.

Note how “Malaria[Mesh]” is displayed in the PubMed search builder box.
We have displayed PubMed search results for the *Malaria*[Mesh] term. Note that there are 14,741 Free Full Text articles and 15,869 HINARI ones of the total 49,780 citations. Note: searching with the MeSH controlled vocabulary give you more precise search results.

September 2015

Now displayed is the *Malaria, Falciparum* MeSH term, one of the other terms listed on the original *Malaria* MeSH search results. Note a similar list of Subheadings that can be attached to the *Malaria, Falciparum* term.
We have displayed PubMed search results for the *Malaria, Falciparum [Mesh]* term. Note that there is a significantly smaller # of citations (14035) *Malaria [Mesh]* search results.

September 2015

We have completed a search for the *Dengue* MeSH term. There are 19 MeSH terms containing the term *Dengue*. We will click on the box for this (broadest) term.
We will search for the MeSH term Dengue with the subheadings of epidemiology, parasitology and transmission. We have checked the boxes for these terms and clicked on Add to Search Builder and Search PubMed. Note the search terms in the PubMed search builder box.

In PubMed, the search has resulted in 3566 citations.
From the PubMed display setting drop down menu, we have clicked on the Abstract option. Note that the links to the full-text articles for the Free Full Text and HINARI citations is at the bottom of the abstract.

If you click on the Abstract display/MeSH Terms (at the bottom of the abstract), you can view all the MeSH terms assigned to this article.
Below the subheadings are two check boxes – to restrict the search to Major Topic Headings or to not Explode a term.

When we restrict the search to Major Topic Headings only, we are selecting articles where the primary subject matter is Dengue. We will click the box for this option, click on Add to search builder and then Search PubMed.

We have restricted this PubMed search to Dengue [Majr] and have 5248 citations.
If you click on the Abstract display/MeSH Terms, you can view all the terms including Dengue/prevention & control and dengue/epidemiology. In the Abstract display format, Major MeSH terms (MAJR) are identified using an *.

From the PubMed search screen, we have displayed the Advanced Search option and highlighted the History section. Note the Dengue searches you have completed.
We now will complete a MeSH search for the geographic location Asia. After entering the term in the search box, we will open the Asia, Southeastern term.

We now will have displayed the MeSH results for Asia Southeastern. Note the country specific subterms. We will click on Add to search builder add click on Search Pubmed.
We have completed the PubMed search for Asia, Southeastern [Mesh] and have 64877 citations with 12933 Free Full Text and 18482 HINARI articles.

We have opened the PubMed Advanced Search option to view the History section. By clicking on ADD for History Search #15 and #7, we have added them to the Search Builder. This combines the MeSH terms Asia, Southeastern AND Dengue. We will click on Search.
The results of the *Asia, Southeastern [Mesh] AND Dengue[Mesh]...* search is 712 articles and also demonstrates one of PubMed's Advanced Search options.

This is the end of the HINARI Advanced Course Module 1

There is a workbook to accompany this part of the module. It will take you through a live session covering the topics included in this module.

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