Physiotherapy Year 2

Library information skills class

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Today’s session

• Reading list OTH301 and online Subject Guide
• Role of the Literature Review
• Which databases
• The search strategy and using subject headings
• Referencing
If presented with the below screen ignore the Sign in option and instead search for Ulster in the Find your organisation – click on the link and you will then be taken to the resource.
Accessing electronic resources

• You will then be redirected to the Ulster login page.
• Login with your Ulster University email address and Ulster University network password.
• After clicking ‘Sign in’, you will be directed to the electronic resource.
Off Campus Access

• When accessing journals off campus you may encounter interim password screens even after you have authenticated to Athens.

• Ignore any prompts to enter a password and user name

• Instead look on the screen for ‘OpenAthens Login’, click on this link and this will take you to the journal or article

• For more information and help including videos and screenshots go to the Life and Health Sciences off campus access help page

https://guides.library.ulster.ac.uk/offcampus
Getting Started
Where to search
The Literature Review

• What has already been written?
• Provides context for your research proposal.
• Identifies main theories, ideas, conclusions and interventions.
• Identifies gaps in the research.
• Identifies main methodologies, research techniques and evaluation tools.
Where to search?

Books

Articles

Professional organisations, Charities, Guidelines
Books, guidelines and reports
Start with the established information

• Books
  Library Catalogue and module reading lists

• Guidelines and reports
  Go to source, a web search is useful to find reports and policy documents e.g. NICE, Chartered Society of Physiotherapy
Electronic Journals – searching for a specific title

Welcome to our Journals Finder

Search here for a particular journal title

Searching: Electronic Journal Titles

physiotherapy

Search

Enter the title of the journal into the search box
1. Physiotherapy
ISSN: 0031-9406, 1873-1465. Physical Therapy.

Search within Publication

Full Text Access
ScienceDirect Freedom Collection (NESLi2) 1998 - present

Subscription dates and other information such as restrictions or embargos are also given.

Click the suppliers’ name (e.g. ScienceDirect) to access.
Databases
Content and coverage

• **CINAHL Plus *Key database*** - key resource for rehabilitation therapies.

• Multidisciplinary – natural language (keyword searching) **USearch, Scopus**, covers all subjects e.g. health, business, engineering, education, social sciences (ProQuest is especially good for the latter).

• **Cochrane Library** – completed systematic reviews
  Mainly intervention based and Cochrane reviews only use randomized controlled trials.
  Can provide a wealth of information on conditions and interventions. Will often contain a search strategy which can help with alternative terminology.
Reference searching

• Found a good article?
• Check the reference list, as well as other potential articles it will usually include:
  - reports, guidelines, policies, web resources (i.e. sources that can be difficult to find).
  - seminal papers
The search strategy and advanced search techniques
The Search Strategy
Planning the search

• **Question** - what information do you want to find - be specific and stay focused.

• **Identify main keywords** - think laterally, are there alternative terms and synonyms that could be used to describe your topic? How might another person/author describe the same condition/intervention?

• **Where are going to search** - work through each database in a systematic manner, using the same keywords and limiters.
OR

Increases results - use to combine similar terms
AND

Reduces results – use to combine different terms

Search

pilates and "low back pain"

E.g., "Cognitive architectures" AND robots

› Limit
Truncation *
Finds word variations – function, functional, functions, functioning
Phrase searching
find terms in the order typed in, directly adjacent to each other.
Medical Databases and Subject Headings
Subject Headings
searching using controlled vocabulary indexing

• A keyword search will find articles on whatever you type into the search box, wherever it appears in the text and in no context.

• In order to make sure that only the most relevant articles are retrieved, medical databases have developed specialised controlled vocabularies. The first, developed by Medline (Ovid), is known as MeSH (medical subject headings).

• CINAHL Plus, AMED, EMBASE and PsycINFO have all devised their own indexing systems broadly based on the principles of MeSH.
What are the benefits of searching using subject headings?

• Databases use the principle of preferred terms to classify terms/topics under one umbrella term. All the synonyms, singular/plural and spelling variants of a given term are searched for.
  e.g. search for statins and Medline Ovid will suggest you use their preferred term Hydroxymethylglutaryl-CoA Reductase Inhibitors

• Terms are organised into hierarchal subject trees enabling you to search for specific aspects of a term
  e.g. Neoplasms – Neoplasms by site – Breast neoplasms

• Terms are given specific definitions to help remove ambiguity i.e. the context of articles are used as the base for indexing rather than the terminology used by the author.
  e.g. In Medline Plus using the preferred term stroke will also find articles that refer to cerebral stroke, apoplexy and cva but not articles on heat stroke or swimming techniques
Subject Headings

MeSH, indexing...used in the medical databases
Subject Headings

Example scope note

[Image of a screenshot showing a results page for marathon with a scope note pop-up. The scope note reads: "Running distances of 5000 meters or more. ENDURANCE SPORTS and TRIATHLON are also available." ]
Exploding headings

If the Explode box is checked it means there are more specific aspects of the topic. To find out what these are click on the heading.

In this example **Exercise** has a number of more specific activities which are then indented underneath.

You then then choose to Explode, include all headings, or only select those which are most relevant.
Example completed search in CINAHL Plus

Using subject headings, keywords and truncation

<table>
<thead>
<tr>
<th>Search ID#</th>
<th>Search Terms</th>
<th>Search Options</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>S12</td>
<td>S8 AND S11</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (88)</td>
</tr>
<tr>
<td>S11</td>
<td>S9 OR S10</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (234,677)</td>
</tr>
<tr>
<td>S10</td>
<td>random*</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (234,677)</td>
</tr>
<tr>
<td>S9</td>
<td>(MH &quot;Randomized Controlled Trials&quot;)</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (45,821)</td>
</tr>
<tr>
<td>S8</td>
<td>S3 AND S6</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (588)</td>
</tr>
<tr>
<td>S7</td>
<td>S3 AND S6</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (588)</td>
</tr>
<tr>
<td>S6</td>
<td>S4 OR S5</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (106,814)</td>
</tr>
<tr>
<td>S5</td>
<td>physiotherap*</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (14,409)</td>
</tr>
<tr>
<td>S4</td>
<td>(MH &quot;Physical Therapy+&quot;)</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (99,224)</td>
</tr>
<tr>
<td>S3</td>
<td>S1 OR S2</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (30,400)</td>
</tr>
<tr>
<td>S2</td>
<td>&quot;prostat*&quot;</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (30,400)</td>
</tr>
<tr>
<td>S1</td>
<td>(MH &quot;Prostatic Neoplasms+&quot;)</td>
<td>Search modes - Boolean/Phrase</td>
<td>View Results (20,221)</td>
</tr>
</tbody>
</table>
Subject Headings Help

- Searching using database subject headings is a very controlled, complex way of searching.
- It will give you more relevant and specific results but it is important to do some background reading first to familiarise yourself with the terminology used in your subject area.
- For more information go to the Library guide on MeSH and the individual Subject Guides for each of the major medical databases.

- Example searches for Medline(Ovid) and CINAHL Plus are available on the Class Slides and Handouts tab of your Subject Guide.
Example search strategy

**Constraint-induced movement therapy for upper extremities in people with stroke**

1. exp cerebrovascular disorders/ or brain injuries/ or brain injury, chronic/
2. (stroke$ or cva or poststroke or post-stroke).tw.
3. (cerebrovasc$ or cerebral vascular).tw.
4. (cerebral or cerebellar or brain$ or vertebrobasilar).tw.
5. (infarct$ or isch?emi$ or thrombo$ or emboli$ or apoplexy).tw.
6. 4 and 5
7. (cerebral or brain or subarachnoid).tw.
8. (haemorrhage or hemorrhage or haematoma or hematoma or bleed$).tw.
9. 7 and 8
10. hemiplegia/ or exp paresis/
11. (hempar$ or hemipleg$ or paresis or paretic or brain injur$).tw.
12. 1 or 2 or 3 or 6 or 9 or 10 or 11
13. exp upper extremity/
14. (upper limb$ or upper extremit$ or arm or shoulder or hand or axilla or elbow$ or forearm$ or finger$ or wrist$).tw.
15. 13 or 14
16. restraint, physical/
17. exercise movement techniques/ or exercise/ or exercise therapy/
18. immobilization/
19. physical therapy techniques/
20. (constrain$ or restrain$ or immobili$).tw.
21. (mCIMT or CIT or "CI therapy" or "forced use").tw.
22. recovery of function/
23. splints/ or casts, surgical/
24. 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23
25. 12 and 15 and 24
The Search Strategy
Planning the search

• Carry out the search, record and save.
• Filter the results, record and save.

You may be asked to produce a search strategy at some point.

• Evaluate what you find: Writing skills tab on subject guide.
Finding the full text of articles using U Find it
Accessing Full Text

• Most academic databases contain only bibliographic records, in order to access and read the full text we need to link out to another supplier.

• If full text from the databases is available it will be clearly marked e.g.

• If no full text link is available use the U Find It button to link out to one of our other suppliers
The article will then open with options to read onscreen, save or print.
Save what you find!
Record complete details of all useful references

• Various ways to do this
  - write them down
  - print the reference
  - save them within the databases (create a personal account)
  - use an online bibliographic management programme such as RefWorks
Saving what you find

• Most databases will allow you to save a search to retrieve at a later date.
• In CINAHL Plus/USearch click on Save Searches/Alerts and create a new account, you can then save your search.
Referencing

• Find more information and a copy of the Life and Health Sciences Referencing Guidelines - The Harvard System 2015 on your Physiotherapy Library Subject Guide.
• These have been updated over the summer.
Further Reading


If you are having any difficulty accessing material or with searching, contact Kelly using the details below or just ask for her at the Information Point (Issue Desk).

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