Searching the Literature in PT
What Clinicians Need to Know

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&
Francesca Frati, MLIS
SMBD Jewish General Hospital Health Sciences Library
October 2007
## Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00</td>
<td>JGH Health Sciences Library Resources</td>
</tr>
<tr>
<td></td>
<td>McGill Life Sciences Library Resources</td>
</tr>
<tr>
<td></td>
<td>Remote Access</td>
</tr>
<tr>
<td></td>
<td>Overview of selected online resources</td>
</tr>
<tr>
<td>2:20</td>
<td>Demonstration of selected resources</td>
</tr>
<tr>
<td>2:50</td>
<td>Hands-on searching of selected resources</td>
</tr>
<tr>
<td>3:10</td>
<td>Regroup</td>
</tr>
<tr>
<td></td>
<td>Feedback &amp; Conclusion</td>
</tr>
</tbody>
</table>
Myth #1

Everything is online
Everything is NOT online...yet

- Some health sciences journals (~25%) are not being published in digital format
- Most older articles are not available online (e.g. < 1995)
- Most health science texts are not available online
- However indexes of references and abstracts are online, for finding out what has been published
Myth #2

I can’t access McGill resources from work/home
JGH staff can access online resources using their account

Dial-up Access Service (DAS) for modem dial-up (subsidized by McGill)- ask at circulation desk for sign up sheet

Virtual Private Network* (VPN) for high-speed connection (e.g. Videotron, Sympatico)

For instructions go to:
www.mcgill.ca/ncs/products/network/remote/vpn/

* You will need a DAS username first
JGH Health Sciences Resources

www.jgh.ca/hsl

- You can use our website to
  - Search our journal and book collections
  - Access McGill’s biomedical journals
  - Access McGill’s biomedical databases
  - Find tutorials on how to search databases
  - Request a journal article (ILL)
  - Find patient health information
To access online journal databases

Find a journal article
- JGH journals (physical holdings)
- Full-text biomedical journals at McGill
- Journals at McGill
- McGill catalogue (MUSE)
- Request an article - ILL (JGH patrons only)

Find a book
- JGH book collection
- e-Books at McGill
- McGill catalogue (MUSE)
- Request a book - ILL (JGH patrons only)

Services
- Circulation / DAS or VPN Account
- Reserve a conference room or equipment
- Interlibrary loan (ILL) & Photocopy for a fee service (FPS)
- Purchase a book for your department
- Recommend a book for purchasing
- Ask a librarian

Instruction
- Instruction Coverage
- Tutorials & learning materials
- Current awareness
- Literature Searching
- Finding, managing and evaluating information
- Lecture handouts
- Google course

Announcements

Patient Education
- Patient and Family Resource Centre (PFRC)
- Finding information to share with patients
- Creating patient level materials

To order a journal article (ILL)
Or
Search for print and online journals

Links to instruction materials and tutorials

Links to patient information
Overview of selected online resources
## MEDLINE

Available on the Ovid platform ($) and at [http://pubmed.gov](http://pubmed.gov) (free to search, $ for full text)

<table>
<thead>
<tr>
<th>Producer</th>
<th>National Library of Medicine, U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Coverage &amp; Updating</strong></td>
<td>1966 – Updated weekly (Ovid); daily (PubMed) 4600 journals indexed</td>
</tr>
<tr>
<td><strong>Full text</strong></td>
<td>available if subscription to journal is held by McGill</td>
</tr>
<tr>
<td><strong># of references</strong></td>
<td>15 million + 500 000 added every year</td>
</tr>
<tr>
<td><strong>Abstracts</strong></td>
<td>75% of records have author-written abstracts</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
<td>30+</td>
</tr>
<tr>
<td><strong>Content</strong></td>
<td>Contains journal articles covering the full range of evidence from experimental studies to systematic reviews, with editorials and review articles as well. All life sciences, clinical, research, allied health, and related fields - medicine, nursing, dentistry, rehabilitation sciences, veterinary medicine, health care administration, and preclinical sciences, etc.</td>
</tr>
<tr>
<td><strong>Search Options</strong></td>
<td>Subject headings (MeSH) and subheadings, AND, OR, limit by date, type of publication, age group, etc. Keywords, truncation using $ (Ovid); * (PubMed)</td>
</tr>
</tbody>
</table>
# Cochrane Database of Systematic Reviews

Available on the Ovid platform ($) and at: [www.thecochranelibrary.org](http://www.thecochranelibrary.org) (free to search, $ for full text)

<table>
<thead>
<tr>
<th><strong>Producer</strong></th>
<th>The Cochrane Collaboration (centres in 15 countries, e.g. McMaster in Canada), including 50 topic-based Collaborative Review Groups and 6000 members.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Coverage &amp; Updating</strong></td>
<td>1994- Updated quarterly</td>
</tr>
<tr>
<td><strong>Full text</strong></td>
<td>Yes through McGill</td>
</tr>
<tr>
<td><strong># of references</strong></td>
<td>4000+</td>
</tr>
<tr>
<td><strong>Abstracts</strong></td>
<td>Structured abstracts for every completed systematic review</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
<td>English</td>
</tr>
</tbody>
</table>
| **Content** | Standardized format for presenting evidence, summary and conclusions (including: title and citation details, structured abstract, introduction, methods, results, discussion, implications for practice and research)
Extensive descriptions of studies included and excluded
Detailed critical discussion of the evidence
MEDLINE citations and/or full text links to studies used if available
Citations to studies included and excluded by reviewers
Tables of characteristics of studies reviewed
- Tables and graphs of results of reviews |
| **Search Options** | ▪ Keywords (or MeSH)
▪ Search within fields: title, abstract, text, author
▪ Limits (systematic reviews, protocols, new reviews, recently updated reviews)
▪ Truncation using * |
## Rehabdata ($)

Available though our website and at:  
[www.naric.com/research/rehab](http://www.naric.com/research/rehab)

<table>
<thead>
<tr>
<th><strong>Producer</strong></th>
<th>National Rehabilitation Information Center, U.S. (NARIC)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Coverage &amp; Updating</strong></td>
<td>1956 –</td>
</tr>
<tr>
<td><strong>Full text</strong></td>
<td>No (citation and abstract available)</td>
</tr>
<tr>
<td><strong># of references</strong></td>
<td>69 000+</td>
</tr>
<tr>
<td><strong>Abstracts</strong></td>
<td>250-word abstracts for every reference</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
<td>English</td>
</tr>
<tr>
<td><strong>Content</strong></td>
<td>Indexes books, reports, articles, and audiovisual materials relating to disability and rehabilitation research in the U.S.</td>
</tr>
</tbody>
</table>
| **Search Options** | Keywords; & (ampersand) for AND; / (slash) for OR; truncation using *  
Thesaurus can be browsed for descriptor terms and the terms selected for search |
## PEDro (Physiotherapy Evidence Database)

**www.pedro.fhs.usyd.edu.au**

<table>
<thead>
<tr>
<th>Producer</th>
<th>Centre for Evidence-Based Physiotherapy (University of Sydney, Australia)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage &amp; Updating</td>
<td>1929 – Updated monthly</td>
</tr>
<tr>
<td>Full text</td>
<td>Yes- if link is included in record</td>
</tr>
<tr>
<td># of references</td>
<td>9700+</td>
</tr>
<tr>
<td>Abstracts</td>
<td>Author’s abstracts included if publisher permits</td>
</tr>
<tr>
<td>Languages</td>
<td>English</td>
</tr>
</tbody>
</table>
| Content | • References to clinical trials, systematic reviews, and practice guidelines of interest to physiotherapists.  
• PEDro score available for clinical trials – a critical appraisal tool to assist the reader in determining the validity and reliability of the study. |
| Search Options | Keywords & limits |
## SPORTDiscus

Available on the EBSCO platform

<table>
<thead>
<tr>
<th><strong>Producer</strong></th>
<th>SPORTDiscus, Sport Information Resource Centre (SIRC), U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Coverage &amp; Updating</strong></td>
<td>1800 –</td>
</tr>
<tr>
<td><strong>Full text</strong></td>
<td>available if subscription to journal is held by McGill</td>
</tr>
<tr>
<td><strong># of references</strong></td>
<td>750,000 + 20,000 are theses and dissertations</td>
</tr>
<tr>
<td><strong>Abstracts</strong></td>
<td>An English-language abstract for advanced and research level articles, as well as book analytics;</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
<td>60</td>
</tr>
<tr>
<td><strong>Content</strong></td>
<td>Subject coverage includes sports medicine, exercise physiology, and physiotherapy. Indexes journal and magazine articles, books, book chapters, conference proceedings, theses &amp; dissertations, etc.</td>
</tr>
<tr>
<td><strong>Search Options</strong></td>
<td>Subject headings, AND, OR, and limits. Keywords, truncation using *</td>
</tr>
</tbody>
</table>
To access all databases- reminder

• Go to our library website at www.jgh.ca/hsl

• Click on “Biomedical Databases” under Quick Links

• Browse alphabetically or type in name of database
Physiotherapy resources

- Research guides by subject: Physical therapy
  www.health.library.mcgill.ca/research/sguides/physical.cfm

- Physiotherapy databases
  www.health.library.mcgill.ca/research/sguides/physical.cfm#dbases
Myth #3

Databases are difficult to search
Clinical question

1) What are the “burn-out” rates of health care professionals working in the palliative care domain?
Medline search

<table>
<thead>
<tr>
<th>#</th>
<th>Search History</th>
<th>Results</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>exp Burnout, Professional/</td>
<td>4514</td>
<td>DISPLAY</td>
</tr>
<tr>
<td>2</td>
<td>exp Palliative Care/</td>
<td>27743</td>
<td>DISPLAY</td>
</tr>
<tr>
<td>3</td>
<td>1 and 2</td>
<td>36</td>
<td>DISPLAY</td>
</tr>
<tr>
<td>4</td>
<td>limit 3 to (humans and english language)</td>
<td>33</td>
<td>DISPLAY</td>
</tr>
<tr>
<td>5</td>
<td>limit 4 to yr=&quot;2003 - 2007&quot;</td>
<td>20</td>
<td>DISPLAY</td>
</tr>
</tbody>
</table>

To assign limits to a search after you have run it
Clinical question

2) Is obesity linked to an increased incidence of low back pain?
Medline search

<table>
<thead>
<tr>
<th>#</th>
<th>Search History</th>
<th>Results</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>exp Obesity/</td>
<td>80617</td>
<td>DISPLAY</td>
</tr>
<tr>
<td>2</td>
<td>exp Low Back Pain/</td>
<td>8144</td>
<td>DISPLAY</td>
</tr>
<tr>
<td>3</td>
<td>1 and 2</td>
<td>34</td>
<td>DISPLAY</td>
</tr>
<tr>
<td>4</td>
<td>limit 3 to (english language and yr=&quot;2003 - 2007&quot;)</td>
<td>16</td>
<td>DISPLAY</td>
</tr>
</tbody>
</table>

Combine Searches | Delete Searches | Save Search/Alert

Advanced Search | Basic Search | Find Citation

Keyword | Author | Title | Journal

Enter Keyword or phrase (use "*" for truncation):

Map Term to Subject Heading

SEARCH
Medline results

   UI: 17703824
   Authors Full Name
   Naidoo, R; Coopoo, Y.
   | Find Similar | Find Citing Articles |

   UI: 17445783
   Authors Full Name
   Rubin, Devon I.
   | Find Similar | Find Citing Articles |

   UI: 17518627
   Authors Full Name
   Wijnhoven, Hannika A H; de Vet, Henrica C W; Picavet, H Susan J.
   | Find Similar | Find Citing Articles |

   UI: 17196962
   Authors Full Name
   Kwon, Min A; Shim, Woo Seok; Kim, Myung Hee; Gwak, Mi Sock; Hahn, Tae Soo; Kim, Gaab Soo; Kim, Chung Su; Choi, Yoon Ho; Park, Jeong Heon; Cho, Hyun Sung; Kim, Tae Hyeong.
Clinical question

3) Does physical activity affect depression in the elderly (geriatric) population?
Pedro search

Abstract & Title: physical activity and depression and elderly

Therapy: - No Selection -
Problem: - No Selection -
Body Part: - No Selection -
Subdiscipline: - No Selection -
Method: - No Selection -

When Searching: Match all search terms (AND)

Author/Association:
Title Only:
Source:
Published since: [yyyy]
New records added since: [dd/mm/yyyy]
Score of at least: (/10)

Return: 20 records at a time.

Start Search | Reset Form
Pedro results

<table>
<thead>
<tr>
<th>Title</th>
<th>Method</th>
<th>Score (/10)</th>
<th>Select Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical exercise and psychological health</td>
<td>systematic review</td>
<td>N/A</td>
<td>Select</td>
</tr>
<tr>
<td>The efficacy of exercise as a long-term antidepressant in elderly subjects: a randomized, controlled trial</td>
<td>clinical trial</td>
<td>8/10</td>
<td>Select</td>
</tr>
<tr>
<td>Efficacy of a self-management group intervention for elderly persons with chronic pain</td>
<td>clinical trial</td>
<td>6/10</td>
<td>Select</td>
</tr>
</tbody>
</table>

To view details of a record, click on the title. To display a list of records from one or a series of searches, click on "Select" and then "Display Selected Records." If you know of a randomised controlled trial or systematic review that is not indexed on PEDro, please click [here](#).
SPORTDiscus search
SPORTDiscus results
Clinical question

4) What is the evidence for the use of neurodevelopment (NDT) approach in stroke rehabilitation?
Rehabdata search

Re-search: (n) studious inquiry or examination.

More than 70,000 resources are gathered here and made available through an easy-to-use interface. Enter key terms and select the type of resources you need.

Keywords: ndt and stroke rehabilitation

Search

About NARIC Databases.

REHABDATA. This database contains approximately 69,000 abstracts of books, reports, articles, and audiovisual materials relating to disability and rehabilitation research. Each abstract includes bibliographic information, a 250-word abstract, and, when appropriate, information regarding the project that produced the document. The index spans research from 1956 to the present. REHABDATA advanced search options.

NIDRR Project Database. NARIC collects data on every project funded by NIDRR in a given fiscal year. Each record includes institutional and contact information, funding data, and an abstract of project goals and activities. The database includes projects funded from 1993 to the present. Program Database advanced search options.

The NARIC Knowledgebase. The Knowledgebase represents 25 years of collecting resources for information and referral. The database includes agencies and organizations, directories, databases, journals and other periodicals, and online resources. Knowledgebase advanced search options.
Rehabdata results

1 of 6.
Effects of problem-oriented willed-movement therapy on motor abilities for people with poststroke cognitive deficits.
Tang, Qing P.; Yang, Qi D.; Wu, Ying H.; Wang, Gai Q.; Huang, Zhi L.; Liu, Zun J.; Huang, Xiao S.; Zhou, Lin; Yang, Bei M.; Fan, Zhen Y..
2005
J49948.

2 of 6.
Entwinement of theory and practice in physiotherapy: A comparative analysis of two approaches to hemiplagia in physiotherapy.
Lettinga, A T; Siemonsma, P C; van Veen, M.
1999
J37600.

3 of 6.
CONSIDERING THE WHOLE BODY IN THE TREATMENT OF THE HEMIPLEGIC UPPER EXTREMITY.
Petkunas, D; Riddaway, E M.
1998
J34789.

4 of 6.
EFFECTIVE COLLABORATION BETWEEN PHYSICIAN AND OCCUPATIONAL THERAPIST IN THE MANAGEMENT OF UPPER LIMB SPASTICITY AFTER STROKE.
Scardarian, S M, McGuire, J.
1998
Myth #4

I have to remember all of this!
Ask a librarian!

- The JGH Health Sciences Library is staffed with professional librarians who have expertise in the health sciences.

- Try the new Instruction section of our website for online tutorials, or call/email us if you have a question

  www.jgh.ca/hsl
Thank you!
Acknowledgments

• This presentation was adapted from: Lorie Kloda. **Searching the Literature in PT & OT: What Clinicians Need to Know**, dated February 2007