Searching the Literature in OT
What Clinicians Need to Know

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SMBD Jewish General Hospital Health Sciences Library
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## Agenda

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
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<tbody>
<tr>
<td>8:30</td>
<td>JGH Health Sciences Library Resources</td>
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<td></td>
<td>McGill Life Sciences Library Resources</td>
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<tr>
<td></td>
<td>Remote Access</td>
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<tr>
<td></td>
<td>Overview of selected online resources</td>
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<tr>
<td>9:00</td>
<td>Demonstration of selected resources</td>
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<td>9:30</td>
<td>Hands-on searching of selected resources</td>
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<td>10:10</td>
<td>Regroup</td>
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<td></td>
<td>Feedback &amp; Conclusion</td>
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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 order a journal article (ILL) or search for print and online journals.

Links to instruction materials and tutorials:
- Instruction content
- Tutorials & learning materials
- Current awareness
- Database tutorials
- Finding, managing and evaluating information
- Workshop Presentations
- Google course
- Searching the physiotherapy literature
- Sign up for a workshop

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

Quick Links:
- Biomedical Journals
- Biomedical Databases
- MUSE
- Medline
- CINAHL
- Pubmed w/ Linkout
- MD Consult
- Ovid Online
- StatRef
- UpToDate
- EBM Resources @ McGill
- Cochrane Library
- InfoPOEMs
- e-CPS

Find a journal article:
- JGH journals (physical holdings)
- e-Biomedical journals at McGill
- Journals at McGill
- McGill catalogue (MUSE)
- Request an article - ILL (JGH patrons only)

Find a book:
- JGH online catalogue (books only)
- Judaica & medical ethics collection of the Samuel & Gertrude Drazin Memorial Library
- McGill catalogue (MUSE)
- Request a book - ILL (JGH patrons only)
Overview of selected online resources
MEDLINE

Available through our library website on the Ovid platform ($) and at http://pubmed.gov (free to search, $ for full text).

You can also search it through PICO http://askmedline.nlm.nih.gov/ask/pico.php (use PICO when you want to determine the outcome of an intervention or compare two interventions)

<table>
<thead>
<tr>
<th>Producer</th>
<th>National Library of Medicine, U.S.</th>
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<tbody>
<tr>
<td>Coverage &amp; Updating</td>
<td>1966 – Updated weekly (Ovid); daily (PubMed) 4600 journals indexed</td>
</tr>
<tr>
<td>Full text</td>
<td>available if subscription to journal is held by McGill</td>
</tr>
<tr>
<td># of references</td>
<td>15 million + 500 000 added every year</td>
</tr>
<tr>
<td>Abstracts</td>
<td>75% of records have author-written abstracts</td>
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<tr>
<td>Languages</td>
<td>30+</td>
</tr>
<tr>
<td>Content</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>Search Options</td>
<td>Subject headings (MeSH) and subheadings, AND, OR, limit by date, type of publication, age group, etc. Keywords, truncation using $ (Ovid); * (PubMed)</td>
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# CINAHL (Cumulative Index to Nursing & Allied Health Literature)

<table>
<thead>
<tr>
<th>Producer</th>
<th>CINAHL Information Systems (Glendale Adventist Medical Centre, CA)</th>
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<tbody>
<tr>
<td>Coverage &amp; Updating</td>
<td>1937- Updated weekly 1750+ journals indexed</td>
</tr>
<tr>
<td>Full text</td>
<td>available if subscription to journal is held by McGill</td>
</tr>
<tr>
<td># of references</td>
<td>1 million+</td>
</tr>
<tr>
<td>Abstracts</td>
<td>75% of abstracts</td>
</tr>
<tr>
<td>Languages</td>
<td>18</td>
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</table>
| Content                       | - Indexes literature in nursing & allied health (physiotherapy, occupational therapy, etc.).  
                              | - Books, book chapters, conference proceedings, journal articles, websites, consumer health literature, dissertations and theses. |
| Search Options                | - Subject headings (MeSH + CINAHL SH) and subheadings, AND, OR, limits by age group, year of publication, language, review articles, etc.  
                              | - Keyword searching by field, truncation using *  |

Available through our library website on the EBSCO platform ($)
## OT Seeker

Available through our website and at: [www.otseeker.com](http://www.otseeker.com)

<table>
<thead>
<tr>
<th><strong>Producer</strong></th>
<th>Universities of Queensland and Western Sydney, Australia</th>
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<tbody>
<tr>
<td><strong>Coverage &amp; Updating</strong></td>
<td>1955 - Updated continuously</td>
</tr>
<tr>
<td><strong>Full text</strong></td>
<td>Citation and abstract only- but provides direct link to Pubmed where you can search for the article and access full text</td>
</tr>
<tr>
<td><strong># of references</strong></td>
<td>4300 +</td>
</tr>
<tr>
<td><strong>Abstracts</strong></td>
<td>Author’s abstracts included if publisher permits</td>
</tr>
<tr>
<td><strong>Languages</strong></td>
<td>English</td>
</tr>
</tbody>
</table>
| **Content** | ▪ References to clinical trials and systematic reviews of relevance to occupational therapists from many publications.  
▪ PEDro score partitioned available for clinical trials – a critical appraisal tool to assist the reader in determining the validity and reliability of the study. |
| **Search Options** | Keywords and limits |
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
OT resources

- Research guides by subject: OT
  www.health.library.mcgill.ca/research/sguides/occupationalT.cfm

- OT databases
  www.health.library.mcgill.ca/research/databases/search.cfm?browse=BySubject=Occupational%20Therapy
Myth #3

Databases are difficult to search
Defining the question

• **Tip #1**: One question at a time

Q: What is gliomotosis cerebri, what deficits does this cause, what is the functional impact?

Rephrase into 3 questions:

1- What is gliomotosis cerebri? *(Important! Look up definition in dictionary not database)*

2- What is the functional impact of gliomotosis cerebri?

3- What deficits does gliomotosis cerebri cause?
Defining the question cont...

- Tip #2: Break each question down into its main concepts

Q: What is the functional impact of gliomotosis cerebri?

1- functional impact

2- gliomotosis cerebri
Defining the question cont...

- **Tip #3**: Consider synonyms & alternate spellings
  
  - functional impact, impact on function, functional assessment (these are all possible keywords)

  - gliomotosis cerebri = gliomatoses cerebri

- It helps to make a list of keywords
Defining the question cont...

- **Tip #4**: start broad and then narrow your search

**Q:** How effective are nerve blocks for post fracture pain in the treatment of stiff wrists and fingers?

- Start with: how effective are nerve blocks for post fracture pain?
- If you have too many results you can add other concepts:
  - Stiffness
  - Treatment of hands
  - treatment of wrists or treatment of fingers... *separately!*
Defining the question cont...

• **Tip #5**: find one good article and use it to find more!

  - Look at how it’s indexed- what terms were used? *These terms can be used to build a better search!*

  - Look at the references- see if you can find those articles
Handy resources from McGill

- Common search problems and how to solve them:
  www.health.library.mcgill.ca/help/guides/onlinesearch/searchprobs.cfm

- Ten steps to finding papers:
  www.health.library.mcgill.ca/help/guides/onlinesearch/tensteps.cfm
Clinical question

1) What is the functional impact of gliomatosis cerebri?
Medline search
Medline results
Cinahl search
Cinahl results
Clinical question

2) Right brain behavior in stroke
Medline search

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

3) Depression in stroke
OT Seeker search
OT Seeker results
Clinical question

4. How effective are nerve blocks for post fracture pain in the treatment of stiff wrists and fingers?
PICO searches and results

Search #1

No result!

Search #2

US National Library of Medicine
1 results:

1. Intravenous regional guaifenesin blockade in the treatment of post-traumatic complex regional pain syndrome type 1 (algodystrophy) of the hand
   Livingstone JA, Atkins RM
   [Abstract] [Full Text] [Related]
PICO search and results #3

US National Library of Medicine
12 results:

   Monzon DG, Ersin KV, Vazquez JA
   [Abstract] [Full Text] [Related]

2. Intravenous regional guanethidine blockade in the treatment of post-traumatic complex regional pain syndrome type 1 (algodystrophy) of the hand.
   Livingstone JA, Atkins RM
   [Abstract] [Full Text] [Related]

   Parker MJ, Griffiths R, Appadhu BN
   [Abstract] [Full Text] [Related]

   Parker MJ, Griffiths R, Appadhu BN
   [Abstract] [Full Text] [Related]

5. Nerve blocks (subcostal, lateral cutaneous, femoral, triple, psoas) for hip fractures.
   Parker MJ, Griffiths R, Appadhu BN
   [Abstract] [Full Text] [Related]

6. [Anesthetic management of the elderly patients with femoral neck fracture by sevoflurane and femoral nerve block]
   Fujimoto T, Meguro K, Hase K, Nagatsuka C, Kasehara M
   [Abstract] [Full Text] [Related]

7. The 'three in one' block as locoregional analgesia in an emergency department.
   Van Leeuwen FL, Bronselaar K, Gilles M, Sappe MB, Deloex HH
   [Abstract] [Full Text] [Related]
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

• And from: Arlene Greenberg & Francesca Frati. Searching the literature in PT, dated October 30 2007.