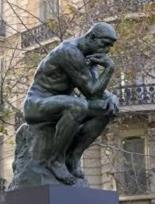
Locating Journal Articles



How do you know if one treatment will work better than another, or if it will do more harm than good?

Evidence-based health care



Learning Objectives

- Term definitions: citation, field, keywords, search strategy, open access
- Perform a search for journal articles in Pubmed and BioMed Central
- Navigate websites as additional sources of articles
- Understand differences between peer-reviewed articles and popular articles

What is a peer reviewed article?

 Articles that have been evaluated by researchers or subject academic specialists prior to accepting it for publication. Also known as scholarly or refereed.

Peer-reviewed or not peer-reviewed?

• https://guides.library.utoronto.ca/c.php?g=251
025&p=1672765

• Search Strategy: particular path to limit or expand your search

Keywords are specific words used to index an article

- <u>Textword</u> means any word found in the text or body of the abstract and is the most general way to search for articles
 - O This will generally retrieve the largest number of articles
- Boolean operators can be used to refine your search
 - O Words such as <u>and</u> (narrow), <u>or</u> (broaden), and <u>not</u> (narrow) can help restrict your findings in specific ways.

You can search for an article by title, author, publication date, and the name
of the journal in which it was published, including volume and issue or page
numbers

O These are called *Fields*

 Some searches may turn up hundreds of articles, so you can use fields to narrow the search relative to your purpose

 <u>Filters</u> (article type, availability, publication dates, species) can be used in the search for further refinement

Medical Subject Headings

- MeSH Medical Subject Headings provides a database of specific terms used to identify articles
 - O If you are having trouble retrieving articles on a topic, check MeSH for keywords that might better describe your topic
 - http://www.ncbi.nlm.nih.gov/mesh

Locating Journal Articles:

"PubMed" is a publicly available website maintained by the National Library of Medicine:

http://www.ncbi.nlm.nih.gov/pubmed/

 "BioMed Central" is an independent electronic publishing house based on the principle of open access to peer-reviewed biomedical research

http://www.biomedcentral.com/

PubMed

- PubMed has more than 26 million citations for
 - O biomedical literature from MEDLINE
 - O life science journals
 - O online books
- Citations may include links to full-text content from PubMed Central and publisher web sites.

Searching an article in PubMed

Go to PubMed: http://www.ncbi.nlm.nih.gov/pubmed

- Search for Achilles tendon
- Refine search (using Boolean operators)

Author and Article Information

Usually on first page

Includes credentials, author institution

Contact information

Source of funds to support the study

Citation

It provides its title, authors, publication date, volume and issue, pages;
 abstract (short summary). Example:

Jay K, Sundstrup E, Søndergaard SD, Behm D, Brandt M, Særvoll CA, Andersen LL. Specific and cross over effects of massage for muscle soreness: randomized controlled trial. Int J Sports Phys Ther. 2014 Feb;9(1):82-91.

Abstract

Summary of article's content

 Core information on context, purpose, description of study design, methods, results, conclusions

Abstract – questions:

- Is the summary complete and to the point?
- Enough detail to capture your interest?
- Who is the author, institutional affiliation?
- What organizations provided funding?

Full Text Article

- Sections of a typical journal article
 - O Abstract
 - O Introduction
 - O Methods
 - O Results
 - O Discussion
 - O References

BioMed Central (BMC) –open access

- "Open access": free, immediate, permanent, full-text, online access to peer-reviewed journals
- Articles published quickly, more widely disseminated
- More likely to be read and cited by other scientists ("research impact")
- http://www.biomedcentral.com/

More resources

- Alternative Therapies in Health and Medicine
- Alternative Health News Online
- Cochrane Collaboration Database

Other online resources are ...

Canadian Massage Therapy Research Network http://www.massage.ca/research.html

ALIVE - Natural Health and Wellness

http://www.alive.com/category/health/

 The Massage Therapist Association of Manitoba https://www.mtam.mb.ca/

 The Registered Massage Therapist of Ontario (RMTAO) and their various publications will also be helpful

www.rmtao.com