Research in Orthotics & Prosthetics
ORPR 580 - Introduction to Orthotics & Prosthetics

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Levels of Research

1) Quick look-up AKA “googling it”

2) Consumer research

3) Subject specific, professional research
Library Research Support

In-Person Drop-In
- Information & Reference Desk
- Academic Projects Center

Phone - Information & Reference Desk: 734.487.2445

Email - Submit your question and get an email response from EMU librarians

Librarian Subject Specialists appointments-

http://emich.libcal.com/appointment/5633 - Elizabeth’s electronic appointment calendar
http://www.emich.edu/library/about/specialist.php - General list of subject specialists

Online Help 24/7
- 24/7, real-time research help is available from EMU librarians and partner librarians from other schools
Support Services for Student Research

ACADEMIC PROJECTS CENTER (APC)
Rm. 116 Halle Library
http://www.emich.edu/apc/

UNIVERSITY WRITING CENTER (UWC)
Rm. 115 Halle Library
http://www.emich.edu/uwc
Developing a Research Topic

- Television & other electronic media
- Popular journals
- Trade magazines
- People – personal & professional
- O&P association web pages
  - Hot topics
  - Letters & editorials
  - Trends
  - Law & legislation
- Professional newsletters
- Encyclopedias

Choosing a Topic –

https://guides.emich.edu/help/choosing
Keeping it Together - The Research Journal

- Record, record, record
  - Ideas for topics; track your thinking processes; points of inspiration
  - Databases & web sites searched
  - Summary of search results
  - Track & evaluate successes & failures
  - Search strategies
  - Keywords, terms, subject headings
  - Conversations; People you want to contact

- Use it consistently

- Electronic bibliographic management tools, e.g., Zotero, RefWorks, EndNote, Mendeley
Tips for Successful Research

- Use a variety of resources (see next slide)

- Be open to learning more about research & tools

- Give yourself time to research properly

- Be persistent

- Ask for help from your professor, a librarian, family members, friends, etc.
APA Manual Sources


- Reserve Reference at Halle Circulation Desk –
  - BF 76.6 .P82

- [https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/general_format.html](https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/general_format.html)
eBook Collections

- AccessMedicine
- R2 Digital Collection
- Stat!Ref
Types of Journals

POPULAR

- Slick and attractive in appearance
- Rarely cite sources
- Written by staff or free-lance writers; may or may not list the author
- Language level is simple
- Main purpose is to entertain or to convey general information
- Target audience is reading at ~7th grade level
  - e.g. People Weekly

SUBSTANTIVE

- May be attractive in format and have pictures and ads
- May cite sources, but usually not
- Articles may or may not be signed by the author
- Language level may be simple, but not necessarily
- Purpose is to provide information to a broad, educated audience
- Target audience is reading at ~12th grade level
  - e.g. Time, Newsweek
Types of Journals, cont.

TRADE

- Purpose is to keep a specific industry current re: news, trends, industry changes, people
- Contains advertising focused on the industry
- Pictures, charts, and ads abound
- Articles are normally signed
- No official bibliography at the end of articles
- Trade jargon is used
- ~12th grade reading level
  - e.g., Edge Direct newsletter

SCHOLARLY

- Sober in tone
- Pictures not usually used, but charts and graphs may be
- Sources are always cited
- Articles are signed by a scholar or researcher
- Language is elevated and assumes familiarity with the jargon of the discipline
- May be published by a professional organization or university
  - e.g., AJN, JAMA, AJOT
Refereed / Peer Reviewed Journals

- A journal which requires that, prior to publication, submitted articles be approved by a board in order to evaluate the quality, validity, reliability of the article.

- This review process is often done ‘blind’, that is, the reviewers do not know the name or academic affiliations of the authors, and the authors do not know who is reviewing their work.

- Check the journal title in the database, Ulrich’s Global Serials Directory.
Orthotics & Prosthetics Journal Article Databases

- CIRRIE – http://cirrie.buffalo.edu/search/index.php
- CINAHL - Cumulative Index to Nursing and Allied Health Literature
- Esearch
- Google Scholar/Web of Science
- Health Source: Academic
- OTDBASE
- OT Search
- PsycINFO
- PubMed/Medline
- REHABDATA - http://www.naric.com/research/
General Resources

- *Dissertations & Theses Full text*
- *Digital Commons @ EMU*
- *Gale Virtual Reference Library* – encyclopedias of medical, nursing, cancer, genetic disorders, alternative medicine, and allied health
- *Health Source: Academic*
- *WorldCat* via FirstSearch - books

**Library Research Guides = “Home base”**

http://guides.emich.edu/op580
Keyword Searching

- Searches the selected words anywhere in the text of the record
- Searches most fields

Used:
- to begin searching without using controlled vocabulary
- When you cannot find a good term in the thesaurus
TITLE: Postoperative pain characteristics in Turkish orthopedic patients.

AUTHOR(S): Büyükyilmaz FE; Asti T

AUTHOR AFFILIATION: Florence Nightingale College of Nursing, Ist University, Istanbul, Turkey

SOURCE: Pain Management Nursing 2010 Jun; 11(2): 76-84 (35 ref)

ABSTRACT: Postoperative pain is a subjective concept that can only be defined by the individual experiencing it. This research was planned as a descriptive study...

MAJOR SUBJECT HEADING: Orthopedic Surgery
Postoperative Pain

MINOR SUBJECT HEADING: McGill Pain Questionnaire; Middle Age; Pain Measurement; Postoperative Pain -- Classification;

LANGUAGE: English

PUBLICATION TYPE: Research; Journal-Article

JOURNAL SUBSET: Peer Reviewed

QUESTIONNAIRE/SCALE: McGill Pain Questionnaire
Combining Sets

AND=Intersection

OR=Union
Research Sites after You Graduate

Databases

◦ Michigan Electronic Library (mel) – mel.org
◦ Health – http://mel.org/health

Statistics  http://guides.emich.edu/c.php?g=188169&p=1242799

Google Scholar

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