Art & Science of Searching

Sarah Knox Morley
Ingrid C. Hendrix

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Art & Science of Searching
Pharmacy 770

Session One – Identifying Information & Selecting the Right Resource (part 1)

Upon completion, the student will be able to:

Objective 1 – Differentiate between background and foreground questions
Objective 2 – Describe the types and functions of commonly available drug resources

1. Introductions and library elective goals (10 min) include assignment rubric
2. Overview of types of questions Background/Foreground (10 min) (remind them e–books)
3. Resources for specific questions / (45 min)
   a. Drug Information Resources *hands–on scenario & discussion
      i. *Drug Portal – NLM (loperamide)
         1. ToxNet (fact sheets for databases including LactMed)
      ii. *Lexicomp
      iii. *Natural Standard
   b. MedCalc 3000 (acetaminophen) also Converters (Benzo), mathcalc, specialties > Pharmacy (demo)
   c. National Guideline Clearinghouse (Statins – advanced search = & heart disease (demo)
4. Patient Education (5 min)
   a. MedlinePlus *(multimedia, languages, drug info)*
   b. Other patient education resources – Access Medicine, VisualDX,
      UNM Hospital Health Information/Education > Health
      Sheets
5. Micromedex (hands-on – 20 min; discussion – 20 min) (Poison Control
   computer classroom)

**Session Two – Identifying Information & Selecting the Right Resource (part 2)**

Upon completion, the student will be able to:

**Objective 1** – Compare and contrast targeted resources

**Objective 2** – Define and describe essential elements of web sites

**Objective 3** – Construct a clinical question using the PICO method

1. Overview of targeted resources *(Hands-on activity or homework
   assignment prior session, discussion during session 2) (25 min total 20–
   30 min –hands-on; 20 minutes report) Mobile devices
   a. *DynaMed M*
   b. *PubMed Health*
   c. *UpToDate*
   d. *VisualDX*
   e. Access Medicine M *(Drugs, DxTests, Quick DX & RX) also Q&A
      practice tests / Access Pharmacy M (not full fledged, basics
      only) (Demo)*

2. Evaluating web resources (handout)

3. PICO practice – overview of elements; individuals develop Q; group
   critique (25 min)

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4. Cochrane (5 min)

5. Assignment – set up RefWorks account on campus

6. Muddiest Point

Session Three – Forming a Clinical Question and Searching the Primary Literature

Upon completion, the student will be able to:

Objective 1 – Demonstrate the ability to search the primary literature (Hands on activity)
Objective 2 – Create and submit search strategies using PubMed
Objective 3 – Organize citations for future use
Objective 4 – Create a bibliography using RefWorks (Hands-on activity)

1. Formulate a research/clinical question from PICO (Hands-on activity) (10 minutes)
2. PubMed (50 min) (15 minutes hands-on; 35 minutes is class participation and Instructors demo search techniques and advanced features) Search Strategy save/print
   a. MyNCBI – Handout
3. IPA (10 min)
4. Overview RefWorks features (5 min)
5. Search PubMed and import references to RefWorks (Hands-on Activity) (30 min)
6. Create a bibliography using RefWorks (Hands-on activity) (10 min) AMA
7. Post-Test

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