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Art & Science of Searching

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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)

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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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