Medical Pharmacology Question 1:
How to use PubMed to find Review Articles and Comparative Studies

1. Go to the Library’s home page (medlib.bu.edu) and access PubMed.

2. Search for ‘galantamine’.
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3. Use the filters on the left side of the screen to refine the 1,702 results.

4. Click ‘Customize’ under ‘Article types’ and select ‘Comparative Study’. Click Show.
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5. Click ‘Comparative Study’ to turn the filter on. This gives you 217 results.

6. Click ‘Review’ to turn this filter on. The results increase to 527, which means PubMed is searching for either reviews OR comparative studies. Click “Clear All” to turn off the filters.
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7. Use the MeSH database to gain more control over your search. Select MeSH from the dropdown menu next to the search bar and search for 'Comparative Study'.

8. Select "Comparative Study [Publication Type]" and click "Add to Search Builder". Type "Review" in the search bar.
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10. This search shows all the articles in PubMed that are both Comparative Studies and Reviews. We want to add Galantamine to this search, so click ‘Advanced Search’.
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11. Add the search for ‘galantamine’ and the most recent search for comparative study and review and click Search.

12. This brings back 19 results that both a comparative study and a review in addition to being about or related to galantamine.
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14. Go back to the MeSH database to limit your search to a class of drugs, and search for “Anti-HIV Drugs”. Select the term “Anti-HIV Agents” and click “Add to Search Builder” and “Search PubMed”.

Display Settings: Summary, 20 per page
Selected: 1

Results: 6
1. Agents used to treat AIDS and/or stop the spread of the HIV infection. These do not include drugs used to treat symptoms or opportunistic infections associated with AIDS.
   Year introduced: 1997
   Anti-HIV Agents [Pharmacological Action]
   NB325 [Supplementary Concept]
   polyethylene hexamethylene biguanide; Anti-HIV Agents, structure in first source
   Date introduced: April 17, 2009
   4-benzyl pyridinone [Supplementary Concept]
   4-benzyl pyridinone derivatives offer vast potential for providing lead structures for the development of potent anti-HIV agents
   Date introduced: March 8, 2006
   HIV Fusion Inhibitors
   Inhibitors of the fusion of HIV to host cells, preventing viral entry. This includes compounds that block attachment of HIV ENVELOPE PROTEIN Gp120 to CD4 RECEPTORS.
   Year introduced: 2002
   Antiretroviral Therapy, Highly Active
   Drug regimens, for patients with HIV INFECTIONS, that aggressively suppress HIV replication. The regimens usually involve administration of three or more different drugs including a protease inhibitor.
   Year introduced: 2001
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15. Add “AND viread” into the search bar and click Search. This brings you back 484 results.

16. Go back into advanced search to add this search for “Anti-HIV Agents”[Mesh] AND viread to the previous search for the Comparative Study and Review publication types. Click search.
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17. This gives you a total 4 results.