Oral presentation

Each student should select a pharmacological agent (prescription medication) for a 4-6 minute oral presentation. Sign-ups for topics will occur on the second day of class.

You may show video clips (optional), but speaking time must be at least 4 minutes. Just make sure your total presentation time is at least 4 minutes and no longer than 6 minutes. If you choose to show a video clip, limit the video time to 2 minutes, and speak for 4 minutes for a total presentation time of 6 minutes. Presentations shorter than 4 minutes or longer than 6 minutes will receive a deduction of points. You may wish to bring a timer with you as you present to keep track of the time.

Grading: Your grade will be based on delivery, timely submission of topic, use of sources, and content (relevant and interesting). Be sure to talk to us, not read from notes! Rubric will be posted on Blackboard that specifically describes grading. Visual aids will enhance your presentation.

Presentation dates: The order of presentations will be based on the order in which the topics are covered this semester. For example, if you select a drug that affects the nervous system, then your presentation will be towards the end of the semester when we cover nervous system. If you select an agent for a skin condition, your presentation will be earlier in the semester. The number in parenthesis following each drug is the class day in which the presentation will be scheduled. Be aware, if you select a nervous or endocrine system agent, your presentation date may be on a quiz or test day. Bring grading rubric with you on your presentation day!

Select one of the following drugs for your presentation.

Agents targeting DNA replication

- Cyclophosphamide (cancer) (4)
- Vincristine (cancer) (4)

Agents treating skin conditions

- Salicylic acid (warts) (7)
- Isotretinoin (acne) (7)
- Eflornithine (unwanted facial hair) (7)

Skeletal system agents:

- Alendronate (osteoporosis) (9)

Muscular system agents:

- Dantrolene (MS, cerebral palsy) (15)
- Neostigmine (Myasthenia gravis) (15)
- Succinylcholine (anesthesia) (16)
- Verapamil (high BP, angina, irregular heartbeat) (16)
Nervous system agents:
- Phenytoin (seizures) (19)
- Digoxin (heart failure, heart rhythm) (19)
- Botox (wrinkles, sweating, migraine) (22)
- Levodopa (Parkinson’s) (20)
- Propofol (anesthesia) (20)
- Prozac (depression) (20)
- Valium or Xanax (anti-anxiety) (21)
- EpiPen (asthma, anaphylaxis) (19)
- Metoprolol (high BP, chest pain, heart failure) (21)
- Isoflurane (anesthesia) (21)
- Baclofen (spasticity in CP, MS, spinal cord injury) (23)
- Epidural anesthesia (23)
- Morphine or dilaudid or fentanyl (23)

Treatments for diseases of the eye
- Timolol or Betaxolol or Pilocarpine (glaucoma) (27)

Endocrine system:
- Synthetic human growth hormone (28)
- Dexamethasone/betamethasone (for neonatal respiratory distress syndrome) (28)
- Eplerenone (high BP) (29)
- Humalog or NovoLog (diabetes) (29)
- Tamoxifen (breast cancer) (29)

Information to include in your presentation:
1. What disease or condition is the drug intended to treat? Describe this condition in terms of pathophysiology, specifically the content necessary for the audience to understand the drug and its mode of action.
2. Describe in detail the mode of action of the drug. Be sure to incorporate information that pertains to anatomy and physiology. It is very important that you relate the information in your presentation to the material covered in class and that it be presented in a way that is easily understood.
3. Describe potential adverse effects of the drug. Include diagrams and pictures as appropriate.
4. Don’t forget to include a conclusion at the end that summarizes the main points of your presentation. Explain these main points to the audience again.

Sources: Use at least three different scholarly or professional/trade sources outside of the text (OK to use your text, you will just need three additional sources) and reference them using APA format. Select at least 1 print source (book or medical journal, e-versions acceptable) and at least 1 internet source. Sources must come from respected medical/nursing literature. Medical websites, journals and texts are suitable. Note- Wikipedia is not an acceptable source. On the day of your presentation, you will submit a hard copy of your reference list in APA format and CRAAP rubrics (1 per source).