Phamacology class

Module 1 Discussion

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 ***Discussion 1***

Based on [Module 1: Lecture Materials & Resources](https://stu.instructure.com/courses/30068/pages/module-1-lecture-materials-and-resources) and experience, what are the roles and responsibilities of the advanced nurse practitioners in prescribing?

**Submission Instructions:**

* Your initial post should be at least 500 words, formatted and cited in current APA style with support from at least 2 academic sources. Your initial post is worth 8 points.
* You should respond to at least two of your peers by extending, refuting/correcting, or adding additional nuance to their posts. Your reply posts are worth 2 points (1 point per response.)
* All replies must be constructive and use literature where possible.
* Please post your initial response by 11:59 PM ET Thursday, and comment on the posts of two classmates by 11:59 PM ET Sunday.
* You can expect feedback from the instructor within 48 to 72 hours from the Sunday due date.

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**Grading Rubric**

Your assignment will be graded according to the grading rubric.

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| --- | --- | --- | --- | --- | --- |
| **Discussion Rubric** | | | | | |
| **Criteria** | **Ratings** | | | | **Points** |
| Identification of Main Issues, Problems, and Concepts | **Distinguished - 5 points** Identify and demonstrate a sophisticated understanding of the issues, problems, and concepts. | **Excellent - 4 points** Identifies and demonstrate an accomplished understanding of most of issues, problems, and concepts. | **Fair - 2 points** Identifies and demonstrate an acceptable understanding of most of issues, problems, and concepts. | **Poor - 1 point** Identifies and demonstrate an unacceptable understanding of most of issues, problems, and concepts. | 5 points |
| Use of Citations, Writing Mechanics and APA Formatting Guidelines | **Distinguished - 3 points** Effectively uses the literature and other resources to inform their work. Exceptional use of citations and extended referencing. High level of APA precision and free of grammar and spelling errors. | **Excellent - 2 points** Effectively uses the literature and other resources to inform their work. Moderate use of citations and extended referencing. Moderate level of APA precision and free of grammar and spelling errors. | **Fair - 1 point** Ineffectively uses the literature and other resources to inform their work. Moderate use of citations and extended referencing. APA style and writing mechanics need more precision and attention to detail. | **Poor - 0 points** Ineffectively uses the literature and other resources to inform their work. An unacceptable use of citations and extended referencing. APA style and writing mechanics need serious attention. | 3 points |
| Response to Posts of Peers | **Distinguished - 2 points** Student constructively responded to two other posts and either extended, expanded or provided a rebuttal to each. | | **Fair - 1 point** Student constructively responded to one other post and either extended, expanded or provided a rebuttal. | **Poor - 0 points** Student provided no response to a peer's post. | 2 points |
| **Total Points** | | | | | **10** |

Module 2 Discussion

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 ***Discussion 2***

Ms. Jones brings 6-week-old Sam to the clinic because of a bright red rash in the diaper area that has gotten worse since she started putting over-the-counter antibiotic cream on it 3 days ago. Sam is diagnosed with diaper Candida or a yeast infection. Clotrimazole (Lotrimin) topical TID for 14 days to the diaper area has been prescribed.

1. Briefly describe the therapeutic actions of Clotrimazole (Lotrimin).
2. Describe antifungal drugs uses and side effects.
3. Develop a teaching plan for Ms. Jones including age-appropriate considerations for Sam.

**Submission Instructions:**

* Your initial post should be at least 500 words, formatted and cited in current APA style with support from at least 2 academic sources. Your initial post is worth 8 points.
* You should respond to at least two of your peers by extending, refuting/correcting, or adding additional nuance to their posts. Your reply posts are worth 2 points (1 point per response.)
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| **Total Points** | | | | | **10** |

Module 3 Discussion

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 ***Discussion 3***

The advanced practice nurse is updating the plan of care of nursing home patients with hypertension.

1. Briefly describe the therapeutic actions of drugs affecting blood pressure (diuretics, ACE inhibitors, ARBs, CCB, sympathetic nervous system drugs).
2. What important teaching points should be addressed for patients receiving antihypertensive drugs?

**Submission Instructions:**

* Your initial post should be at least 500 words, formatted and cited in current APA style with support from at least 2 academic sources. Your initial post is worth 8 points.
* You should respond to at least two of your peers by extending, refuting/correcting, or adding additional nuance to their posts. Your reply posts are worth 2 points (1 point per response.)
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Module 4 Discussion

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 ***Discussion 4***

Discuss the safety and effectiveness of alternative and complementary medicine for the treatment of specific illnesses such as cancer, diabetes, and hypertension. Would you have any conflicts/concerns supporting a patient who choose holistic/allopathic medicine?

**Submission Instructions:**

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| **Total Points** | | | | | **10** |

Module 5 Discussion

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 ***Discussion 5***

Ms. Jones is 60 years old and obese. She has been diagnosed with type 2 diabetes and will be started on glyburide. She is very nervous about this diagnosis and concerned that she will need to give herself “shots.”

1. Explain the difference between diabetes mellitus type 1 and type 2.
2. How does glyburide help decrease blood sugar levels?
3. What are the key teaching points for patients taking oral antidiabetic agents?

**Submission Instructions:**

* Your initial post should be at least 500 words, formatted and cited in current APA style with support from at least 2 academic sources. Your initial post is worth 8 points.
* You should respond to at least two of your peers by extending, refuting/correcting, or adding additional nuance to their posts. Your reply posts are worth 2 points (1 point per response.)
* All replies must be constructive and use literature where possible.
* Please post your initial response by 11:59 PM ET Thursday, and comment on the posts of two classmates by 11:59 PM ET Sunday.
* You can expect feedback from the instructor within 48 to 72 hours from the Sunday due date.

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**Grading Rubric**

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| **Discussion Rubric** | | | | | |
| **Criteria** | **Ratings** | | | | **Points** |
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| Use of Citations, Writing Mechanics and APA Formatting Guidelines | **Distinguished - 3 points** Effectively uses the literature and other resources to inform their work. Exceptional use of citations and extended referencing. High level of APA precision and free of grammar and spelling errors. | **Excellent - 2 points** Effectively uses the literature and other resources to inform their work. Moderate use of citations and extended referencing. Moderate level of APA precision and free of grammar and spelling errors. | **Fair - 1 point** Ineffectively uses the literature and other resources to inform their work. Moderate use of citations and extended referencing. APA style and writing mechanics need more precision and attention to detail. | **Poor - 0 points** Ineffectively uses the literature and other resources to inform their work. An unacceptable use of citations and extended referencing. APA style and writing mechanics need serious attention. | 3 points |
| Response to Posts of Peers | **Distinguished - 2 points** Student constructively responded to two other posts and either extended, expanded or provided a rebuttal to each. | | **Fair - 1 point** Student constructively responded to one other post and either extended, expanded or provided a rebuttal. | **Poor - 0 points** Student provided no response to a peer's post. | 2 points |
| **Total Points** | | | | | **10** |

**Module 5 Assignment**

Due nov 6

 ***Drug PowerPoint Presentation***

For this assignment, you will select a drug from the list below and create a  PowerPoint Presentation.

1. Metformin
2. Losartan
3. Amoxicillin
4. Lisinopril
5. Albuterol
6. Namenda
7. Atrovent
8. Nitrofurantoin
9. Synthroid
10. Desmopressin
11. Miconazole
12. Methotrexate
13. Ibandronate
14. Buspar
15. Gabapentin
16. Sumatriptan
17. Propranolol

The purpose of the presentation is for you to educate your colleagues on the drug you have selected. The presentation must include information about the:

* Drug pharmacology, pharmacokinetics
* Brand name
* Generic name
* Dosing
* Indications for use
* Side effects
* Contraindications
* Pregnancy class
* You must also perform a cost analysis of the drug.
* Provide a patient case study on a patient in which you would utilize the drug you have selected and include at least two peer-reviewed evidence-based studies related to the drug.
* Describe the appropriate patient education.
* What is your role as a Nurse Practitioner for prescribing this medication to this patient on your case study presentation?
* Describe the monitoring and follow-up.

**Submission Instructions:**

* Presentation is original work and logically organized in current APA style including citation of references.
* Incorporate a minimum of 4 current (published within last five years) *scholarly journal articles* or *primary legal sources* (statutes, court opinions) within your work.
* PowerPoint presentation with 10-15 slides, excluding the title slide and the reference slide.
* The presentation is clear and concise and students will lose points for improper grammar, punctuation, and misspelling.
* Speaker notes expanded upon and clarified content on the slides.
* Complete and submit by 11:59 PM ET Sunday.
* Late work policies, expectations regarding proper citations, acceptable means of responding to peer feedback, and other expectations are at the discretion of the instructor.
* You can expect feedback from the instructor within 48 to 72 hours from the Sunday due date.

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**Grading Rubric**

Your assignment will be graded according to the grading rubric.

View Rubric

| Presentation Rubric | | |
| --- | --- | --- |
|  |  |  |
| **Presentation Rubric** | | |
| **Criteria** | **Ratings** | **Pts** |
| **Identification of Drug**  **view longer description** | 4 pts  Distinguished  Identifies and demonstrates an understanding of all 5 areas: drug pharmacology pharmacokinetics, brand name, generic name, dosing, and indications for use.  3 pts  Excellent  Identifies and demonstrates an understanding of 4 areas: drug pharmacology pharmacokinetics, brand name, generic name, dosing, or indications for use.  2 pts  Fair  Identifies and demonstrates an understanding of 3 areas: drug pharmacology pharmacokinetics, brand name, generic name, dosing, or indications for use.  1 pts  Poor  Identifies and demonstrates an understanding of 2 areas: drug pharmacology pharmacokinetics, brand name, generic name, dosing, or indications for use. | / 4 pts |
| **Analysis and Evaluation of Issues/Probelms**  **view longer description** | 4 pts  Distinguished  Presents an insightful, thorough analysis and evaluation of side effects, contraindications, cost analysis of the drug, and pregnancy class.  3 pts  Excellent  Presents a thorough analysis and evaluation of most of the side effects, contraindications, cost analysis of the drug, and pregnancy class.  2 pts  Fair  Presents a superficial or incomplete analysis and evaluation of side effects, contraindications, cost analysis of the drug, and pregnancy class.  1 pts  Poor  Presents unacceptable analysis and evaluation of side effects, contraindications, cost analysis of the drug, and pregnancy class. | / 4 pts |
| **Demonstrates a Conceptual Understanding**  **view longer description** | 4 pts  Distinguished  Provides thorough, competent, and interpretive responses to providing a patient case study on a patient in which you would utilize the drug you have selected and include at least two peer-reviewed evidence-based studies related to the drug and describing what is your role as a Nurse Practitioner for prescribing this medication to this patient on your case study presentation and shows a high level of conceptual understanding.  3 pts  Excellent  Provides competent and interpretive responses to providing a patient case study on a patient in which you would utilize the drug you have selected and include at least two peer-reviewed evidence-based studies related to the drug and describing what is your role as a Nurse Practitioner for prescribing this medication to this patient on your case study presentation and shows a moderate level of conceptual understanding.  2 pts  Fair  Provides competent responses to providing a patient case study on a patient in which you would utilize the drug you have selected and include at least two peer-reviewed evidence-based studies related to the drug and describing what is your role as a Nurse Practitioner for prescribing this medication to this patient on your case study presentation, but lacks interpretation and a moderate level of conceptual understanding.  1 pts  Poor  Provides an unacceptable response to providing a patient case study on a patient in which you would utilize the drug you have selected and include at least two peer-reviewed evidence-based studies related to the drug and describing what is your role as a Nurse Practitioner for prescribing this medication to this patient on your case study presentation, and lacks interpretation and a moderate level of conceptual understanding. | / 4 pts |
| **Use of Citations to Course Readings and Additional Research/Literature**  **view longer description** | 4 pts  Distinguished  Effectively uses the literature and other resources to inform their work. Exceptional use of citations and extended referencing.  3 pts  Excellent  Effectively uses the literature and other resources to inform their work. Moderate use of citations and extended referencing.  2 pts  Fair  Ineffectively uses the literature and other resources to inform their work. Moderate use of citations and extended referencing.  1 pts  Poor  Ineffectively uses the literature and other resources to inform their work. An unacceptable use of citations and extended referencing. | / 4 pts |
| **Writing Mechanics and APA Formatting Guidelines**  **view longer description** | 4 pts  Full Marks  Demonstrate a high level of clarity, precision, and attention to detail. APA style is correct and writing is free of grammar and spelling errors.  3 pts  Excellent  Demonstrate a high level of clarity. APA style and writing mechanics need more precision and attention to detail.  2 pts  Fair  Demonstrate a moderate level of clarity. APA style and writing mechanics need more precision and attention to detail.  1 pts  Poor  Demonstrates issues in writing and communicating clearly. APA style and writing mechanics need serious attention. | / 4 pts |
| Total Points: 0 | | |

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Module 6 Discussion

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 ***Discussion 6***

J.R. is a 36-year-old white, middle-class woman who has been sexually active with one partner for the past 2 years. She and her partner have no history of STIs, but her partner has a history of fever blisters. She reports genital pain, genital vesicles and ulcers, and fever and malaise for the last 3 days. Examination reveals adenopathy and vaginal and cervical lesions.

1. What drug therapy would you prescribe? Why?
2. What are the parameters for monitoring the success of the therapy?
3. Discuss specific education for J.R. based on the diagnosis and prescribed therapy.

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| **Total Points** | | | | | **10** |

Module 7 Assignment

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 ***Drug Paper***

For this assignment, you will write a paper on the pharmacological management of the disease. The paper should include a review of the:

* Select a disease process that is of interest to you.
* Pathophysiology of the disease state.
* Review of the pharmacological agents used for treatment and important information related to advanced practice nurse.

Each student will clearly write a title for this topic: For examples, “Pharmacological Effects of Anti-Hypertensive Medications in the Management of Hypertension”.

**Submission Instructions:**

* The paper is to be clear and concise and students will lose points for improper grammar, punctuation, and misspelling.
* The paper should be formatted per current APA and 5-7 pages in length, excluding the title, abstract and references page.
* Incorporate a minimum of 5 current (published within last five years) *scholarly journal articles* or *primary legal sources*(statutes, court opinions) within your work.
* Complete and submit the assignment by 11:59 PM ET Sunday.
* Late work policies, expectations regarding proper citations, acceptable means of responding to peer feedback, and other expectations are at the discretion of the instructor.

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**Grading Rubric**

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| --- | --- | --- | --- | --- | --- |
| **Final Essay/Paper Rubric** | | | | | |
| **Criteria** | **Ratings** | | | | **Points** |
| Identification of Main Issues/Problems | **Distinguished - 10 points** Identify and demonstrate a sophisticated understanding of the issues/problems. | **Excellent - 8 points** Identifies and demonstrate an accomplished understanding of most of issues/problems. | **Fair - 6 points** Identifies and demonstrate an acceptable understanding of most of issues/problems. | **Poor - 4 points** Identifies and demonstrate an unacceptable understanding of most of issues/problems. | 10 points |
| Analysis and Evaluation of Issues/Problems | **Distinguished - 10 points** Presents an insightful, thorough analysis and evaluation of issues/problems. | **Excellent - 8 points** Presents a thorough analysis and evaluation of most of the issues/problems. | **Fair - 6 points** Presents a superficial or incomplete analysis and evaluation of issues/problems. | **Poor - 4 points** Presents unacceptable analysis and evaluation of issues/problems. | 10 points |
| Demonstrates a Conceptual Understanding | **Distinguished - 10 points** Provides a thorough, competent and interpretive responses to all issues/problems, and shows a high level of conceptual understanding. | **Excellent - 8 points** Provides a competent and interpretive responses to all issues/problems, and shows a moderate level of conceptual understanding. | **Fair - 6 points** Provides a competent responses to all issues/problems, but lacks interpretation and a moderate level of conceptual understanding. | **Poor - 4 points** Provides an unacceptable response to all issues/problems, and lacks interpretation and a moderate level of conceptual understanding. | 10 points |
| Use of Citations to Course Readings and Additional Research/Literature | **Distinguished - 10 points** Effectively uses the literature and other resources to inform their work. Exceptional use of citations and extended referencing. | **Excellent - 8 points** Effectively uses the literature and other resources to inform their work. Moderate use of citations and extended referencing. | **Fair - 6 points** Ineffectively uses the literature and other resources to inform their work. Moderate use of citations and extended referencing. | **Poor - 4 points** Ineffectively uses the literature and other resources to inform their work. Unacceptable use of citations and extended referencing. | 10 points |
| Writing Mechanics and APA Formatting Guidelines | **Distinguished - 10 points** Demonstrate a high level of clarity, precision, and attention to detail. APA style is correct and writing is free of grammar and spelling errors. | **Excellent - 8 points** Demonstrate a high level of clarity. APA style and writing mechanics need more precision and attention to detail. | **Fair - 6 points** Demonstrate a moderate level of clarity. APA style and writing mechanics need more precision and attention to detail. | **Poor - 4 points** Demonstrates issues in writing and communicating clearly. APA style and writing mechanics need serious attention. | 10 points |
| **Total Points** | | | | | **50** |

The following content is

Module 7 Discussion

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 ***Discussion 7***

Sally is a 50-year-old female who has been a jogger for several years. She has recently been diagnosed with osteoarthritis. She has been taking ibuprofen for 3 months but states that “it does not help” and hurts her stomach. The health care provider prescribes celecoxib (Celebrex) 100 mg orally twice a day.

1. What is the first-line therapy for osteoarthritis and the mechanism of action?
2. Sally expresses concern about all the recent news about heart problems and celecoxib (Celebrex). What information should be included in a teaching plan to help her understand about taking celecoxib and the benefits and risks?
3. Ibuprofen and celecoxib are both nonsteroidal anti-inflammatory drugs. Explain how they are similar and different

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