

GUIDED PRACTICE

Class: NURS 259 Pharmacology for Advanced Practice Clinicians (3-units)
Date assigned: September 24, 2019
Date due: October 8, 2019
Time estimate to complete this assignment: NTE 2-hours total

Overview/Introduction

What is this lesson about?

Prescribing Antibiotics “Cell-Wall-Destroyers” [Penicillins; Cephalosporins; Carbapenems; Aztreonam; Vancomycin] for clients with infectious disease.

Learning Objectives

Basic objectives

Before the start of class, the learner will be able to:

- BLO1: Categorize the class of drug
- BLO2: Describe the action of the drug
- BLO3: Name one (1) indication for the drug
- BLO4: Discuss two (2) precautions for the drug
- BLO5: List the top three (3) adverse effects for the drug

Advanced objectives

During class the learner will be able to:

- CLO6: Pronounce and classify the drug correctly
- CLO7: Role-play how the drug interferes with the cell wall
- CLO8: Write a prescription for the drug based on a client case study

After class the learner will be able to:

- ALO9: Verbally order a drug and SUBMIT to CANVAS using media player
- AL10: Peer review another classmates verbal order and make comments
- AL11: Complete an after-class ten (10) question quiz on the drugs covered

Preparatory Activities and Resources:

1. Student assigned to a specific antibiotic “Cell-Wall-Destroyers” [Penicillins; Cephalosporins; Carbapenems; Aztreonam; Vancomycin]
2. For example: amoxicillin
3. Before the start of class, the learner will be able to:
 - a. BLO1: Categorize the class of amoxicillin. Which drug group does it belong to?
 - b. BLO2: Describe the action of amoxicillin
 - c. BLO3: Name one (1) indication for amoxicillin
 - d. BLO4: Discuss two (2) precautions for amoxicillin
 - e. BLO5: List the top three (3) adverse effects for amoxicillin

4. "Playlist" of resources
 - a. Pharmaceutical sites via Internet
 - b. Physicians' Desk Reference
 - c. Drug Reference Guides
 - d. e Epocrates Free application
 - e. Tarascon Pocket Pharmacopoeia
 - f. The Medical Letter
 - g. Prescriber's Letter

Exercises: Please complete by Monday, September 30 at 2400.

Please SUBMIT onto CANVAS before class as a .doc, .docx or pdf file

- Categorize the class of drug
- Describe the action of the drug
- Name one (1) indication for the drug
- Discuss two (2) precautions for the drug
- List the top three (3) adverse effects for the drug

Questions?

Please e-mail instructor directly or through CANVAS.

ADVANCED PRACTICE

Class: NURS 259 Pharmacology for Advanced Practice Clinicians (3-units)
Date assigned: October 1, 2019
Date due: October 8, 2019
Time estimate to complete this assignment: NTE 4-hours total

Learning Objectives

Advanced objectives

After class the learner will be able to:

AL09: Verbally order a drug and SUBMIT to CANVAS using media player

AL10: Peer review another classmates verbal order and make comments

AL11: Complete an after-class ten (10) question quiz on the drugs covered

Activities & Deliverables

Infectious Disease Rx **FURNISHING**

1. Please select at least one (1) outpatient antibiotic drug to furnish for the clients below:
 - Max Pressure (DOB 2/2/1990) with acute sinusitis. Allergic to PCN
 - T.M. Payne (DOB 3/15/2000) with acute otitis media. NKDA
 - Emma Fazema (DOB 4/10/1945) with pneumonia. NKDA
2. Click on **Submit Assignment**. Type in three (3) drugs in the provided **text box** as an e-script. Click **Submit**.
 - Example:
 1. Amoxicillin 500 mg one capsule PO Q 8 hours x 10 days DISP#30 RF#0
3. Click on **Re-Submit Assignment**. Please click the **Media tab** or Insert/edit **media** icon and record the three (3) drugs as an audio recording. You may record audio only or audio plus video. Click **Submit**.
4. Example:
 - Hello, this is Allie from SJSU calling in a prescription for Ima Coughing, date of birth 12/25/1950. The prescription is for amoxicillin 500 mg one capsule PO every eight hours for ten days. Please dispense number 30 with no refills. My phone number is (408) 837-5309. Thank You. **NOTE: For this activity please provide a fake phone number.**
5. All text and audio submissions may be added by clicking **Submit Assignment**. Multiple submissions or re-submissions of assignments are allowed.

Infectious Disease Rx **PEER PHARMACY**

- Students are randomly assigned as an anonymous Peer Pharmacy for Rx review.
- Please examine the **text box** entry and listen to the **Media** tab or **media** file provided.
- Review all prescriptions and make any anonymous suggestions in the **comment box** provided.
 - Example:
 - *Comment as a Pharmacist who has all the necessary information to fill this order:*
 - **PRESCRIBER'S** name and telephone
 - **PATIENT'S** name and date of birth
 - **DRUG** or device name
 - **DOSE** quantity and form as requested
 - **DIRECTION** for use, amount, ROUTE, TIME, as needed for...
 - **DISPENSE** amount, REFILL number if authorized, SUBSTITUTES acceptable

Exercises: Please complete by Monday, October 7 at 2400.

Resources:

- a. Pharmaceutical sites via Internet
- b. Physicians' Desk Reference
- c. Drug Reference Guides
- d. Epocrates Free application
- e. Tarascon Pocket Pharmacopoeia
- f. The Medical Letter
- g. Prescriber's Letter

Questions?

Please e-mail instructor directly or through CANVAS.

Flipped IN-CLASS Lesson Plan Template- Workshopping it!

Topic or concept:

Pharmacology for Advanced Practice Clinicians; Antibiotics “Cell-Wall-Destroyers” [Penicillins; Cephalosporins; Carbapenems; Aztreonam; Vancomycin]

Basic learning objectives for preparatory work:

Before the start of class, the learner will be able to:

BLO1: Categorize the class of drug

BLO2: Describe the action of the drug

BLO3: Name one (1) indication for the drug

BLO4: Discuss two (2) precautions for the drug

BLO5: List the top three (3) adverse effects for the drug

Advanced learning objectives for classwork & after class work:

During class and after class, the learner will be able to:

CLO6: Pronounce and classify the drug correctly

CLO7: Role-play how the drug interferes with the cell wall

CLO8: Write a prescription for the drug based on a client case study

ALO9: Verbally order a drug and SUBMIT to CANVAS using media player

AL10: Peer review another classmates verbal order and make comments

AL11: Complete an after-class ten (10) question quiz on the drugs covered

	Time planned	Activity and rationale	Resources needed
Beginning of class period	10 minutes	CLO6: Pronounce and classify the drug correctly <ul style="list-style-type: none"> o Taking turns, categorize drug into class by using colored post-it notes and placing them in drug group clusters around the room. Once the post-it is put on the wall, the student should pronounce the generic and one brand name correctly. Provides accountability to identify assigned drug and pronounce correctly. 	Post-It notes in different colors for drugs Post-It notes (poster size) for classification
Beginning of class period	10 minutes	CLO7: Role-play how the drug interferes with the cell wall <ul style="list-style-type: none"> o In drug groups by classifications, role play (act-out) the action of the drug on the cell wall. Some students play the drug, others play the cell wall of the pathogen. Provides motor activity for what happens to the cell wall when the drug is active. 	Students as actors, pretend to destroy cell wall.

Beginning of class period	10 minutes	<ul style="list-style-type: none"> ○ In a large group, use the clicker cloud to type in short answer one (1) indication; two (2) precautions and three (3) adverse effects. Show the word cloud on the screen and discuss the most common indications, precautions and adverse effects. Provides use of technology. 	<p>Clicker Cloud software application</p> <p>Computer</p> <p>LCD</p>
Break	15 minutes	<ul style="list-style-type: none"> ○ Break 	Break
Middle of period	60 minutes	<ul style="list-style-type: none"> ○ In a large group, listen to lecture based on pre-class drugs and clarify new information. Provides essential knowledge. 	<p>PowerPoint Slides</p> <p>Computer</p> <p>LCD</p>
Break	15 minutes	<ul style="list-style-type: none"> ○ Break 	Break
Middle of period	30 minutes	<ul style="list-style-type: none"> ○ In small groups (including one person each from prior drug class groups) review clinical case studies and determine which drug would be the most appropriate antibiotic. Present which drug is appropriate to the large group and discuss why. Provides critical thinking and presentation skills. 	Case Study Handouts
Middle of period	30 minutes	<p>CLO8: Write a prescription for the drug based on a client case study</p> <ul style="list-style-type: none"> ○ Written prescriptions will be completed by everyone based on the individual case studies reviewed and turned into the instructor. 	Prescription Sheets
Break	15 minutes	<ul style="list-style-type: none"> ○ Break 	Break
End of period	30 minutes	<ul style="list-style-type: none"> ○ Review and discuss important concepts. ○ Solidify what will be completed after class: <ul style="list-style-type: none"> ○ After class, verbally prescribe and upload media file to SUBMIT onto CANVAS ○ After class, peer-review another classmate's media file ○ After class, recall drug information by taking a short 10-question multiple choice quiz 	<p>White Board</p> <p>CANVAS</p>

Flipped BEFORE CLASS Work Plan Template

Basic learning objectives	Activity and rationale	Instructions to students
<p>Before the start of this class, the learner will be able to:</p> <p>BLO1: Categorize the class of drug BLO2: Describe the action of the drug BLO3: Name one (1) indication for the drug BLO4: Discuss two (2) precautions for the drug BLO5: List the top three (3) adverse effects for the drug</p>	<ul style="list-style-type: none"> ○ Get to know individual antibiotic drug. ○ Drug information will be a “representative” for the entire class of drugs. 	<p>Before the start of class please come PREPARED and review the assigned drug:</p> <p>Look up and prepare one or two sentences on:</p> <ol style="list-style-type: none"> 1. The action of the drug 2. The most common indication for the drug 3. At least two precautions for the drug 4. The top three adverse effects of the drug

Flipped AFTER CLASS Work Plan Template

Advanced learning objective	Activity and rationale	Instructions to students
<p>After this class, the learner will be able to:</p> <p>ALO9: Verbally order a drug and SUBMIT to CANVAS using media player AL10: Peer review another classmates verbal order and make comments AL11: Complete an after-class ten (10) question quiz on the drugs covered</p>	<ul style="list-style-type: none"> ○ Give a verbal order for an antibiotic ○ Peer review another classmates order ○ Complete 10-questions quiz ○ Improve application and recall of content. 	<ol style="list-style-type: none"> 1. Please select at least one (1) outpatient antibiotic drug to furnish for your client 2. Click on Submit Assignment. Type in the drug in the provided text box as an e-script. Click Submit. <ul style="list-style-type: none"> ○ Example: Amoxicillin 500 mg one capsule PO Q 8 hours x 10 days DISP#30 RF#0 3. All text and audio submissions may be added by clicking Submit Assignment. Multiple submissions or re-submissions of assignments are allowed. 4. Students are randomly assigned as an <u>anonymous</u> Peer Pharmacy for Rx review. <ul style="list-style-type: none"> • Please examine the text box entry and listen to the Media tab or media file provided. • Review all prescriptions and make any <u>anonymous</u> suggestions in the comment box provided.