

Polypharmacy Project

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N322 Introduction to Pharmacology

Lakeview College of Nursing

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Polypharmacy Case 6

Background: Karen is a 40-year-old female who presents to the emergency department with complaints of severe abdominal pain with an onset of 7 days ago. Karen states that the pain started seven days ago and has gradually increased over the past week. She is currently rating the pain at 10/10. She states that she started taking her ibuprofen to assist in alleviating the pain, but it is no longer helping at all. She says that when her pain started getting worse, she started developing nausea and vomited twice this morning. Her emesis was blood-tinged. Other significant assessments include abdominal tenderness and reports of increased symptoms of GERD over the last month. Karen had a pituitary tumor surgically removed one month ago and has an extensive past medical history.

Insurance: Karen has sufficient medical insurance

Allergies: NSAIDS

Diet: No added salt & low concentrated sweets

Medical diagnosis: Cushing's, gastroesophageal reflux disease, recurrent constipation, hypertension, depression, type 2 diabetes mellitus

Current medications include the following:

Hydrocortisone 15 mg every am and 5 mg in the afternoon

Metoprolol tartrate 25 mg by mouth twice a day

Spironolactone-hydrochlorothiazide 50 mg/ 50 mg take 1 tablet by mouth daily

Prozac 20 mg by mouth twice a day

Saxagliptin 5 mg once daily by mouth

Atorvastatin 10 mg by mouth daily

Ranitidine 150 mg orally every 12 hours

Miralax 17 gram by mouth daily

Bismuth subsalicylate 525 mg (30ML) by mouth every 6 hours PRN

Ibuprofen 400 mg by mouth every 6 hours PRN

Drug #1	Drug Name (Generic): hydrocortisone Drug Name (Trade): Alkindi Sprinkle, Cortef Drug Class: Glucocorticoids
How is the medication taken: (include dose, route, and frequency)	dose and frequency: 15mg every am and 5 mg in the afternoon route: oral
Specific Directions not included above:	in the am and in the afternoon do not swallow the capsule whole take with food (Jones & Bartlett Learning)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Miralax and hydrochlorothiazide may cause muscle pain or cramps, loss of appetite, weakness, dizziness, and confusion Metoprolol's effectiveness in lowering blood pressure may be reduced Ibuprofen may increase the risk of side effects in the GI tract, saxagliptin's effectiveness and control may be reduced (Jones & Bartlett Learning)
Lifestyle interactions:	Client does not have any social history that interacts with the medication.

(Daily tobacco use, alcohol, drugs, etc.)	
Does any of the client’s past medical history contradict the use of this medication?	Depression- may aggravate the symptoms of psychosis and emotional instability diabetes- can raise blood glucose levels (Drugs.com, 2023)
What is the indication for use of this medication based on the client’s past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)	The client takes this medication to relieve inflammation. They experience abdominal pain
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. Monitor their blood glucose levels 2. Adverse effects to report
How much would medication cost per month if paying out of pocket?	Costco Pharmacy with GoodRx coupon: \$10.32 (GoodRx, 2023)

Drug #2	Drug Name (Generic): Metoprolol tartrate Drug Name (Trade): lopressor
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	Drug Class: beta blockers with thiazides
How is the medication taken: (include dose, route, and frequency)	dose: 25 mg route: by mouth frequency: twice a day
Specific Directions not included above:	take regularly and continuously as directed with or immediately following meals (Jones & Bartlett Learning)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	hydrocortisone and ibuprofen may reduce effectiveness in lowering blood pressure Miralax and spironolactone-hydrochlorothiazide may lower blood pressure and slow heart rate (Jones & Bartlett Learning)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Client does not have any social history that interacts with the medication.
Does any of the client's past medical history contradict the use of this medication?	hypertension- likely to further depress cardiac output and blood pressure diabetes- may delay the recovery of normal blood glucose levels (Drugs.com, 2023)

<p>What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</p>	<p>The client is taking this medication for the management of hypertension.</p>
<p>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</p>	<ol style="list-style-type: none"> 1. Monitor BP and blood glucose level 2. Adverse effects to report
<p>How much would medication cost per month if paying out of pocket?</p>	<p>Kroger Pharmacy with GoodRx coupon: \$9.07 (GoodRx, 2023)</p>
<p>Drug #3</p>	<p>Drug Name (Generic): Spironolactone-hydrochlorothiazide</p> <p>Drug Name (Trade): aldactazide</p> <p>Drug Class: potassium-sparing diuretics with thiazides</p>
<p>How is the medication taken: (include dose, route, and frequency)</p>	<p>dose: 50mg/ 50 mg frequency: take one tablet route: by mouth daily</p>
<p>Specific Directions not included above:</p>	<p>avoid drinking alcohol</p> <p>do not use potassium or salt substitutes, avoid high in salt diet</p> <p>(Jones & Bartlett Learning)</p>

<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>metoprolol tartrate may lower blood pressure and slow heart rate</p> <p>Miralax may lower levels of certain minerals in the body</p> <p>hydrocortisone may cause muscle pain or cramps, loss of appetite, weakness, dizziness, and confusion</p> <p>Prozac may cause blood sodium levels to get low</p> <p>(Jones & Bartlett Learning)</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>Avoid driving until know how the medicine will affect the client</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>diabetes- may be susceptible to the hyperkalemic effect of the drug</p> <p>Cushing's disease</p> <p>(Drugs.com, 2023)</p>
<p>What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</p>	<p>This client is taking this medication to treat high blood pressure and hypertension.</p>

What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<p>1. Drink plenty of water, and maintain a low-salt diet</p> <p>2. Monitor BP and kidney function</p>
How much would medication cost per month if paying out of pocket?	Meijer Pharmacy with GoodRx coupon: \$5.46 (GoodRx, 2023)
Drug #4	<p>Drug Name (Generic): fluoxetine</p> <p>Drug Name (Trade): Prozac</p> <p>Drug Class: SSRI</p>
How is the medication taken: (include dose, route, and frequency)	dose: 20mg route: by mouth frequency: twice a day
Specific Directions not included above:	<p>do not crush, chew, break</p> <p>swallow capsule whole</p> <p>(Jones & Bartlett Learning)</p>
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	<p>spironolactone-hydrochlorothiazide and Miralax may cause blood sodium levels to get low</p> <p>metoprolol tartrate can cause serious heart problems</p> <p>ibuprofen may cause bruising or bleeding easily</p> <p>bismuth subsalicylate may increase the risk of bleeding</p> <p>(Jones & Bartlett Learning)</p>

Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Client does not have any social history that interacts with the medication.
Does any of the client's past medical history contradict the use of this medication?	diabetes- may alter blood glucose control depression- may experience worsening of symptoms, the emergence of suicidal thoughts and behavior (Drugs.com, 2023)
What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)	This client is taking this medication to treat a major depressive disorder, and depression
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. Report any increased thoughts of suicide 2. Monitor for bleeding based on drug interactions
How much would medication cost per month if paying out of pocket?	Walmart Pharmacy with GoodRx coupon: \$7.00 (GoodRx, 2023)
Drug # 5	Drug Name (Generic): Saxagliptin Drug Name (Trade): Onglyza

	Drug Class: Dipeptidyl peptidase 4 inhibitors
How is the medication taken: (include dose, route, and frequency)	dose: 5 mg frequency: once daily route: by mouth
Specific Directions not included above:	make take with or without food swallow tablet whole, do not crush, chew, or break (Jones & Bartlett Learning)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	hydrocortisone can interfere with control and reduce effectiveness (Jones & Bartlett Learning)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Client does not have any social history that interacts with the medication.
Does any of the client's past medical history contradict the use of this medication?	No past medical history contradicts this medication.
What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical	This client is taking this medication to improve blood sugar control in adults with type 2 diabetes mellitus.

history, please list potential indications for use of the medication in general)	
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. Monitor blood glucose before and after admin 2. Adverse effects to report
How much would medication cost per month if paying out of pocket?	Walmart Pharmacy with GoodRx coupon: \$464.73 (GoodRx, 2023)
Drug # 6	<p>Drug Name (Generic): Atorvastatin</p> <p>Drug Name (Trade): Lipitor</p> <p>Drug Class: (P) HMG CoA-reductase inhibitor; (T) Antihyperlipidemic, Statins</p>
How is the medication taken: (include dose, route, and frequency)	Dose: 10 mg Route: Oral (By mouth) Frequency: Once daily
Specific Directions not included above:	Needs to be taken at the same time each day to maintain effects. If a dose is missed, take it as soon as possible. (Jones & Bartlett Learning)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	This medication does not interact with any of the medications listed.

Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	The client does not have any social history that interacts with the medication.
Does any of the client's past medical history contradict the use of this medication?	This patient has no contraindications based on past medical history.
What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)	This medication is used to lower cholesterol, and prevention of heart attack and stroke. This patient is taking this medication with her previous diagnosis of hypertension and type 2 diabetes mellitus. (Jones & Bartlett Learning, 2023).
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. Advise patients with diabetes to monitor blood glucose levels closely (Jones & Bartlett Learning, 2023). 2. Notify the prescriber immediately if they develop unexplained muscle pain, tenderness, or weakness, especially if accompanied by fatigue or fever (Jones & Bartlett Learning, 2023).
How much would medication cost per month if paying out of pocket?	Meijer Pharmacy with GoodRx coupon: \$1.09 (GoodRx, 2023)
Drug # 7	Drug Name (Generic): Ranitidine Drug Name (Trade): Zantac

	Drug Class: Histamine H2 Antagonist
How is the medication taken: (include dose, route, and frequency)	Dose: 150 mg Route: Oral (by mouth) Frequency: Take once every 12 hours
Specific Directions not included above:	Take medication as prescribed (one tablet every 12 hours). To prevent symptoms of GERD, take 30 to 60 minutes before eating or drinking foods that cause heart burn (Drug.com, 2023). *Contact provider for alternative since Ranitidine has been recalled.*
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	This medication does not interact with any other medications on the list.
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Client does not have any social history that interacts with the medication.
Does any of the client's past medical history contradict the use of this medication?	There are no contraindications for this medication based on past medical history.
What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical	This client is taking this medication for the treatment of GERD (Jones & Bartlett Learning, 2023).

history, please list potential indications for use of the medication in general)	
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<p>1. This medication has since been recalled. It is imperative to contact the provider to begin a different medication.</p> <p>2. Do not take more than two tablets in 24 hours (Jones & Bartlett Learning, 2023).</p>
How much would medication cost per month if paying out of pocket?	An alternative to Ranitidine is Cimetidine. Cimetidine, Kroger Pharmacy with GoodRx coupon: \$20.38 (GoodRx, 2023)
Drug # 8	<p>Drug Name (Generic): Polyethylene glycol 3350</p> <p>Drug Name (Trade): Miralax</p> <p>Drug Class: Laxatives</p>
How is the medication taken: (include dose, route, and frequency)	Dose: 17-gram Route: Oral, mixed with a liquid (by mouth) Frequency: Once daily
Specific Directions not included above:	Stir and dissolve one packet of powder (17-gram) in any 4 to 8 ounces of beverage (cold, hot or room temperature) then drink. Ensure the powder is fully dissolved before drinking. Do not use more than 7 days (Drugs.com, 2023).

<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>Spirolactone-hydrochlorothiazide may increase the risk of dehydration and electrolyte abnormalities (Drugs.com, 2023).</p> <p>Hydrocortisone may increase the risk of dehydration and hypokalemia when used for a long period of time (Drugs.com, 2023).</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>Client has no social history of interacting with the medication.</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>Nausea, vomiting, and complaints of severe abdominal pain.</p>
<p>What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</p>	<p>This patient suffers from recurrent constipation, which is an indication of the use of this medication.</p>
<p>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</p>	<p>1. A bowel movement should be produced within 1 to 3 days after using the medication. It is not uncommon for loose and even watery stools to occur (Drugs.com, 2023).</p>

	2. Do not use this medication more than once per day. Call your provider if constipation is still happening after seven days of use (Drugs.com, 2023).
How much would medication cost per month if paying out of pocket?	Over the counter at CVS Pharmacy, \$12.99 for ten packets (GoodRx, 2023).
Drug # 9	Drug Name (Generic): Bismuth Subsalicylate Drug Name (Trade): Bismarex, Pepto Bismol Drug Class: Antidiarrheals
How is the medication taken: (include dose, route, and frequency)	Dose: 525 mg (30 ML) Route: Oral (by mouth) Frequency: Every 6 hours
Specific Directions not included above:	Shake the bottle and use a measuring cup to ensure you are taking the right amount. Drink plenty of fluids to replace fluids lost with diarrhea (Drugs.com, 2023).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	NSAIDS: Ibuprofen- can increase the risk of side effects (Drugs.com, 2023).
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	The client does not have any social history that interacts with the medication.

Does any of the client's past medical history contradict the use of this medication?	Blood-tinged emesis or allergy to NSAIDs (Drugs.com, 2023).
What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)	The patient is experiencing nausea, vomiting, and abdominal pain, which is an indication of the use of this medication (Drugs.com, 2023).
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<p>1. THIS MEDICATION SHOULD NOT BE TAKEN IF AN ALLERGY TO NSAIDS IS KNOWN.</p> <p>2. Do not take more than 8 doses in 24 hours (Drugs.com, 2023).</p>
How much would medication cost per month if paying out of pocket?	CVS Pharmacy with GoodRx coupon: \$11.61 (GoodRx, 2023)
Drug # 10	<p>Drug Name (Generic): Ibuprofen</p> <p>Drug Name (Trade): Advil</p> <p>Drug Class: (P) NSAID; (T) Analgesic, anti-inflammatory, antipyretic</p>
How is the medication taken: (include dose, route, and frequency)	Dose: 400 mg Route: Oral (by mouth) Frequency: Every 6 hours PRN

Specific Directions not included above:	Administer with food or after meals to reduce GI distress. Give the drug with a full glass of water. Ensure the patient does not lie down for 15 to 30 minutes to prevent esophageal irritation (Jones & Bartlett Learning).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Beta-blockers: Metoprolol Tartrate- possibly diminished antihypertensive effect of these drugs SSRIs: Prozac- increased anticoagulant effects, increased risk of bleeding. Hydrocortisone- increases the risk of inflammation, bleeding, and ulceration. (Jones & Bartlett Learning)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Recent blood-tinged emesis. The pain progressively getting worse over the last week.
Does any of the client's past medical history contradict the use of this medication?	ALLERGY TO NSAIDS , Hypertension, Type 2 Diabetes Mellitus (Jones & Bartlett Learning, 2023).
What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical	This client started taking this medication due to abdominal pain that began 7 days ago, but is not relieving pain, now presenting with blood-tinged emesis.

history, please list potential indications for use of the medication in general)	
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none">1. DO NOT TAKE THIS MEDICATION DUE TO ALLERGIES.2. Use medication cautiously in patients with hypertension (Jones & Bartlett Learning, 2023).
How much would medication cost per month if paying out of pocket?	Meijer Pharmacy with GoodRx coupon: \$5.88 (GoodRx, 2023).

Is there anything about this medication regimen scenario that might indicate a potential difficulty in maintaining compliance with the orders as listed?

This medication regimen suggests a potential for difficulty in maintaining compliance because some drugs should not interact with one another. The client is allergic to NSAIDs, which could add to the symptoms they are already experiencing. The medication needs to be up-to-date and FDA regulated for safety.

Is there anything about this medication regimen scenario that might assist the client in maintaining the medication regimen as ordered?

The client should look into disposing of old medications, reading the labels carefully, and taking them as directed to avoid further adverse reactions. They should maintain a low-salt diet and drink plenty of fluid to stay hydrated.

What suggestions might you make to the prescriber and/or client (or questions you might ask the prescriber) to help this client scenario? (think about decreasing the potential for interaction(s) through medication reduction, other potential medications, diet changes, lifestyle changes, etc)

Some suggestions to the prescribers are to remember to assess the client's home medications to limit polypharmacy and decrease the potential for interactions. Some tips for the prescriber and the client are double-checking any patient's allergies. This patient has an allergy to NSAIDs and was prescribed multiple contraindicated medications.

What would the patients monthly out of pocket expense for all 10 medications? (Total Cost for all 10 meds)?

The total monthly out-of-pocket for all ten medications would be \$548.53. All of the medications were priced with GoodRx, which is an alternative for someone without insurance. Our patient has sufficient medical insurance, which makes her medications affordable.

Reflective Statement of Experience: BOTH

Gozi- I enjoyed working on this polypharmacy project with Makynzie. This allowed me to see how clients with more than one problem take different medications but also have to make sure that the medications can interact with each other to perform their therapeutic effects. This also allowed me to see how expensive medications can be and take into account the client's insurance and ability to afford the prescriptions.

Makynzie- I enjoyed the opportunity I was given to work on this project with Gozi!

References

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GoodRx. (2023, March 27). *Prescription Prices, Coupons & Pharmacy Information*. GoodRx. <https://www.goodrx.com/>

Hinkle, J. L., Cheever, K. H., & Overbaugh, K. (2021, October 5). *Brunner and Suddarth's Textbook of Medical-Surgical Nursing*.

Jones & Bartlett Learning, J. (2021, December 21). *2022 Nurse's Drug Handbook*. NDH

N322 Polypharmacy Grading Rubric

Criteria	Excellent 40 points	Acceptable 31-39 points	Unacceptable 0-30 points	Points Earned
<p>Each drug should have a completed breakdown within the tables provided, which includes the following:</p> <ul style="list-style-type: none"> ● Drug class ● Generic name ● Trade name ● How is the medication taken (include dose, route, frequency) 	All key components were addressed within the paper and were accurate.	The student provided the required information for some of the medications, but not all and/or the answers provided were inaccurate. (Each individual component for each medication is worth one point)	The student failed to address a sufficient number of the listed components within the paper and/or the components were addressed but were inaccurate. (Each individual component for each medication is worth one point)	___/40
Criteria	Excellent 10 points	Acceptable 8-10 points	Unacceptable 0 - 7 points	Points Earned
<p>Specific Directions not included above:</p> <ul style="list-style-type: none"> ● Is there any type of medication on the patient list that have specific directions? <p>(before bed, before breakfast, 30 minutes before meals, etc..)</p>	All key components were addressed within the paper.	The student did list some of the medications that required specific directions, however some of the medications included specific directions that were not addressed and/or were inaccurate. (For each medication this question is worth one point)	Student failed to answer the questions and/or the answers were inaccurate. (For each medication this question is worth one point)	___/10
Criteria	Excellent 0 points	Acceptable 16-19	Unacceptable 0-15 points	Points Earned

<p>Does this medication have any potentially serious interactions with any other medication(s) on this list, and/or potential interactions that should be closely monitored due to co-administration?</p> <ul style="list-style-type: none"> Do any of the medications interact with each other? <p>(Please note: if there is an interaction between two medication, you MUST list that interaction on BOTH medications to receive full credit. You may utilize the same verbiage/wording on each medication, we want to know you are thinking about it when considering each medication)</p>	<p>All medications reviewed and student explained medication interactions.</p>	<p>The student did list some of the potential interactions of the medication(s), but failed to address all potential interactions that are serious and/or need close monitoring. (for each medication listed this question is worth two points)</p>	<p>Student failed to answer question and/or The student did list some of the potential interactions of the medication(s), but failed to address all potential interactions that are serious and/or need close monitoring. (for each medication listed this question is worth two points)</p>	<p>___/20</p>
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Criteria	Excellent 5 points	Acceptable 4 points	Unacceptable 0 -3 points	Points Earned
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<p>Lifestyle interactions:</p> <ul style="list-style-type: none"> What lifestyle factors counteract with the medications? <p>(tobacco user, ETOH use – 3 beers daily)</p>	<p>Student showed knowledge why lifestyle would counteract with medications</p>	<p>The student listed lifestyle interactions for some of the medications, but not all and/or the interactions listed were not priority or were incorrect. (For each medication, this question is worth half a point)</p>	<p>Student failed to answer question or the student listed lifestyle interactions for some of the medications, but not all and/or the interactions listed were not priority or were incorrect. (For each medication, this question is worth half a point)</p>	<p>___/5</p>
<p>Criteria</p>	<p>Excellent 10 points</p>	<p>Average 8-9</p>	<p>Unacceptable 0-7 points</p>	<p>Points Earned</p>
<ul style="list-style-type: none"> Does any of the client’s past medical history contradict the use of this medication? 	<p>Student showed knowledge why the client’s past medical history would contradict the use of the medication(s).</p>	<p>Student provided answers to the question(s), but failed to answer all the questions and/or the answers provided were inaccurate. (For each medication this question is worth one point)</p>	<p>Student failed to answer question or Student provided answers to the question(s), but failed to answer all the questions and/or the answers provided were inaccurate. (For each medication this question is worth one point)</p>	<p>___/10</p>
<p>Criteria</p>	<p>Excellent 10 points</p>	<p>Acceptable 8-9 points</p>	<p>Unacceptable 0-7 points</p>	<p>Points Earned</p>

<ul style="list-style-type: none"> What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general) 	<p>Student showed knowledge of medications and what conditions corresponds with medications</p>	<p>The student provided appropriate indications for some of the medications, but failed to capture all of the appropriate indications for use. (For each medication this question is worth one point)</p>	<p>Student failed to answer the question or The student provided appropriate indications for some of the medications, but failed to capture all of the appropriate indications for use. (For each medication this question is worth one point)</p>	<p>___/10</p>
<p>Criteria</p>	<p>Excellent 20 points</p>	<p>Acceptable 16-19 points</p>	<p>Unacceptable 0-15 points</p>	<p>Points Earned</p>
<p>What would you teach the client about taking this medication?</p> <ul style="list-style-type: none"> What education is needed for the medication? (For each medication listed the student must prioritize two topics for client education) <p>(You must consider all component(s) of the medication list when answering this question... if there are potential</p>	<p>Student showed the importance of medication education, and appropriate prioritized client education for the scenario provided.</p>	<p>The student provided some appropriate education for the client, but failed to capture all of the appropriately prioritized education for the client. (Each topic of education is worth one point)</p>	<p>Student failed to answer the question OR The student provided some appropriate education for the client, but failed to capture all of the appropriately prioritized education for the client. (Each topic of education is worth one point)</p>	<p>___/20</p>

<p>interactions with other medication this may be a priority over general education for this one medication)</p>				
<p>Criteria</p>	<p>Excellent 10 points</p>	<p>Acceptable 8-9 points</p>	<p>Unacceptable 0-7 points</p>	<p>Points Earned</p>
<p>Is there anything about this medication regimen/ scenario that might indicate a potential difficulty in maintaining compliance with the orders as listed?</p> <ul style="list-style-type: none"> • Why would the patient have difficulty maintaining the medication regimen? <p>(Please consider all factors in the scenario and all information provided within your chart – including cost, insurance, frequency of administration, etc)</p>	<p>Student had knowledge on why a patient would have difficulty with medication regimen</p>	<p>The student indicated some potential reasons that the client may have difficulty, however the student failed to indicate a reason OR an appropriate reason for some of the medications (This question is worth one point for each medication)</p>	<p>Student failed to answer the question OR the student indicated some potential reasons that the client may have difficulty, however the student failed to indicate a reason OR an appropriate reason for some of the medications (This question is worth one point for each medication)</p>	<p>___/10</p>
<p>Criteria</p>	<p>Excellent 10 points</p>	<p>Acceptable 8-9 points</p>	<p>Unacceptable 0-7 points</p>	<p>Points Earned</p>
<p>Is there anything about this medication regimen/ scenario that might assist the client in maintaining the medication regimen as ordered?</p>	<p>Student had knowledge on medication compliance</p>	<p>The student answered the question appropriately for some of the medications but failed to indicate all of the factors that are present that assist with compliance. (This</p>	<p>Student failed to answer the question OR The student answered the question appropriately for some of the medications but failed to indicate all of the factors that are present that assist with</p>	<p>___/10</p>

<ul style="list-style-type: none"> What factors are present to remain compliant? <p>(Please consider all factors in the scenario and all information provided within your chart – including cost, insurance, frequency of administration, etc.</p>		<p>question is worth one point for each medication)</p>	<p>compliance. (This question is worth one point for each medication)</p>	
<p>Criteria</p>	<p>Excellent 15 points</p>	<p>Acceptable 8-9 points</p>	<p>Unacceptable 0 points</p>	<p>Points Earned</p>
<ul style="list-style-type: none"> How much would this medication cost per month if the patient were to pay for them out of pocket? (best assessment based off of research) What would the client’s monthly out of pocket expense for all 10 medications? 	<p>Student showed research on medication costs</p>	<p>The student provided accurate research for some of the medications, but failed to provided research for all medications (This question is worth one point for each medication, with the total cost being worth 5 points)</p>	<p>Student failed to answer the question OR The student provided accurate research for some of the medications, but failed to provided research for all medications (This question is worth one point for each medication, with the total cost being worth 5 points)</p>	<p>___/15</p>
<p>Criteria</p>	<p>Excellent 20 points</p>	<p>Acceptable 16-19 points</p>	<p>Unacceptable 0-15 points</p>	<p>Points Earned</p>
<p>The student must appropriately format the paper and include all of the following:</p>	<p>The document included a title page, the rubric, the client scenario, a reference page which included five references that were</p>	<p>The document did not meet all of the criteria for formatting/ referencing. See</p>	<p>The document did not meet all of the criteria for formatting/ referencing. See “criteria” to the left for further breakdown.</p>	<p>___/20</p>

<ul style="list-style-type: none"> ● Entire document must include appropriate citations, reference page, title page, page numbers, running head, all with appropriate formatting per APA (10 points – each missing or inaccurate portion per APA is worth one point) ● The student provided a rubric attached for grading (3 points) ● The student included the provided client scenario on page two of the document (2 points) ● The paper included a minimum of five references which were cited within the document (each reference with one citation is worth 5 points) 	<p>cited within the document. APA formatting was consistent with the APA manual.</p>	<p>“criteria” to the left for further breakdown.</p>		
<p>Criteria</p>	<p>Excellent</p>	<p>Acceptable</p>	<p>Unacceptable</p>	<p>Points</p>

	20 points	16-19 points	0-15 points	Earned
<p>What suggestions might you make to the prescriber and/or client (or questions you might ask the prescriber) to help this client scenario? (think about decreasing the potential for interaction(s) through medication reduction, other potential medications, diet changes, lifestyle changes, etc)</p> <p>Elaborate on this, explaining why you feel it should be addressed, why it is priority and provide evidence behind your presentation.</p>	<p>The student was able to identify one potential idea or question to present to the prescriber or client. This question showed evidence of good critical thinking.</p>	<p>The student was able to identify one potential idea or question to present to the prescriber or client, however there was a much higher priority question/suggestion/issue within the scenario that should have been addressed.</p>	<p>The student failed to answer the question OR the student answered the question, however the students answer was dangerously inaccurate.</p>	<p>___/20</p>
Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0-7 points	Points Earned
<ul style="list-style-type: none"> Reflective statement of experience should include the following: <ul style="list-style-type: none"> -insight into the project itself (a specific example within the project and its implications) -A basic understanding of polypharmacy 	<p>The students provided reflection showed good insight into the project itself, polypharmacy, and the nurses role in client advocacy</p>	<p>The student provided a reflection, however the reflection lacked one of the following <ul style="list-style-type: none"> -insight into the project itself (a specific example within the project and its implications). -A basic understanding of polypharmacy </p>	<p>Student failed to reflect on their project OR the student addressed only of the topics of reflection</p>	<p>___/10</p>

-A reflection on this student nurses role in this scenario as a client advocate/educator/caregiver		-A reflection on this student nurses role in this scenario as a client advocate/educator/caregiver		
Total Points				___/200