

Polypharmacy Project

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N322 Introduction to Pharmacology

Lakeview College of Nursing

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11/07/2020

Patient: 60-year-old male

Allergies: NKA (no known allergies)

Medical History: Dysphagia following stroke, hypertension, anemia, and asthma.

Social History: Smokes one pack of cigarettes a day, smokes marijuana occasionally

Insurance: No form of insurance

Diet: Pureed diet. Nectar thick liquids.

Medications:

Lovenox 40 mg SC daily

Ferrous Sulfate ER 160 mg by mouth daily

Spironolactone 50 mg by mouth twice daily

Losartan 50 mg by mouth once daily

Miralax packet 17 G mixed with juice/water by mouth every morning

Naproxen sodium 220mg every 12 hours by mouth as needed

Multivitamin with minerals by mouth one daily

Colace 200 mg by mouth twice a day

Melatonin 2 mg by mouth every evening

Citalopram 20 mg by mouth daily

Drug #1	Drug Name (Generic): Enoxaparin Sodium
Drug Class: Anticoagulant	Drug Name (Trade): Lovenox
How is the medication taken: (include dose, route, and frequency)	40mg SC daily
Specific Directions not included above:	-pinch a fold of skin between finger and thumb and then inject the medication (Jones & Bartlett, 2020).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	<p>-NSAIDs; increased risk for bleeding (Jones & Bartlett, 2020).</p> <p>-Naproxen; increased risk for bleeding (Jones & Bartlett, 2020).</p> <p>-Spironolactone; increased risk for severe hyperkalemia because lovenox is a low molecular weight heparin (Jones & Bartlett, 2020).</p> <p>-Citalopram; increased risk for bleeding (Jones & Bartlett, 2020).</p> <p>-Losartan; hyperkalemia may develop from this medication mixture (Jones & Bartlett, 2020).</p> <p>-Melatonin; increased risk for bleeding and bruising (Melatonin, 2019).</p> <p>-Citalopram; increased risk for bleeding ranging from ecchymoses to life-threatening hemorrhage (Jones & Bartlett, 2020).</p>
Lifestyle interactions:	No contributory interactions.

(Daily tobacco use, alcohol, drugs, etc.)	
Does any of the client's past medical history contradict the use of this medication?	This client has a history of hypertension and this drug can cause the patient to hemorrhage during the medication administration process if it is not monitored with extreme caution which is why this client's medical history contradicts the medication ("Enoxaparin Disease Interactions").
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 suffered from a stroke which was likely caused by an obstruction of the blood flow by a possible clot (Jones & Bartlett, 2020). -When taking Enoxaparin it should be known to the client that taking NSAIDs may cause an increase the risk for bleeding as bleed is an averse reaction to this medication (Jones & Bartlett, 2020).
What would you teach the client about taking this medication?	-It should be noted that the injection site of this medication should not be rubbed to minimize bruising (Jones & Barlett, 2020).
How much would medication cost per month if paying out of pocket?	\$71.45; 100mg/ml; Mariano's (GoodRx, 2018).

Drug #2	Drug Name (Generic): Ferrous Sulfate ER
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Drug Class: Antianemia, Nutritional Supplement	Drug Name (Trade): Feosol
How is the medication taken: (include dose, route, and frequency)	160mg PO daily
Specific Directions not included above:	Give iron supplements with iron tablets and capsules with a full glass of juice or water and do not crush enteric coated tablets or open capsules (Jones & Bartlett, 2020). Dilute and administer the medication with straw or place in the back of the throat because it may stain the client's throat (Jones & Bartlett, 2020).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	No Contributory Interactions.
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	No contributory interactions for this medication. It is important to ensure that this client knows the importance of avoiding foods that will decrease iron absorption (Jones & Bartlett, 2020).
Does any of the client's past medical history contradict the use of this medication?	None of the client's past medical history contradict with the use of the medication.
What is the indication for use of this medication	The client has anemia and this is used to increase the iron in his body to decrease the

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)	symptoms of anemia (Jones & Bartlett, 2020).
What would you teach the client about taking this medication?	-Ensure that the client understands to not to crush the tablets (Jones & Bartlett, 2020). -Ensure the client is taking in foods that will help with iron absorption (Jones & Bartlett, 2020).
How much would medication cost per month if paying out of pocket?	\$1.86; 325mg; Kroger Pharmacy (GoodRx, 2018).

Drug #3 Drug Class: Diuretic	Drug Name (Generic): Spironolactone Drug Name (Trade): Aldactone
How is the medication taken: (include dose, route, and frequency)	50mg PO twice a day
Specific Directions not included above:	-It is important to take this medication before 6 at night to avoid having to urinate more at night and if stomach upset begins to occur, take the medication with food or milk (Drugs & Medication, 2019).

	-To take this pill with meals or milk (Jones & Bartlett, 2020).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	-Losartan; may cause hyperkalemia with the client or possibly hypotension (Jones & Bartlett, 2020). -Naproxen; decreases diuretics effectiveness (Jones & Bartlett, 2020). -Citalopram; increased risk for hyponatremia (Lovenox Drug Interactions, 2020).
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	There are no lifestyle interactions for this drug.
Does any of the client's past medical history contradict the use of this medication?	Nothing contradicts with the use of this medication.
What is the indication for use of this medication based on the clients 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 on this medication because the client has hypertension and spironolactone is used to treat it (Mayo Clinic, 2019).
What would you teach the client about taking this medication?	-Ensure the client understands that the adverse effects of this drug can cause dizziness (Jones & Bartlett, 2020)

	-Avoid hazardous activities until all adverse effects are known (Jones & Bartlett, 2020).
How much would medication cost per month if paying out of pocket?	\$7.24; 25mg; Costco (GoodRx, 2018).

Drug #4	Drug Name (Generic): Losartan
Drug Class: Antihypertensive	Drug Name (Trade): Cozaar
How is the medication taken: (include dose, route, and frequency)	50mg PO once daily
Specific Directions not included above:	-Most effective with two divided doses a day (Jones & Bartlett, 2020)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	-Spironolactone; may increase potassium levels in the blood (Jones, & Bartlett, 2020). -Naproxen; reduce the effects of losartan in lowering blood pressure and may affect kidney function if used together frequently or chronically (Drug interactions, 2020). -Enoxaparin; hyperkalemia may become from this medication mixture
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	No contributory interactions for this client.
Does any of the client's past medical history contradict the use of this medication?	No contributory interactions for this client.

<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 suffers from hypertension so this drug and his diuretic work together to decrease his blood pressure and reduce his stroke risk (Jones & Bartlett, 2020).</p>
<p>What would you teach the client about taking this medication?</p>	<p>-Avoid potassium containing salt substitutes because he could be increasing his risk of hyperkalemia -avoid exercising in hot weather while taking this medication(Jones, & Bartlett, 2020).</p>
<p>How much would medication cost per month if paying out of pocket?</p>	<p>\$9.00; 50mg; Kroger Pharmacy (GoodRx, 2020).</p>

<p>Drug #5 Drug Class: Laxative</p>	<p>Drug Name (Generic): Polyethylene Glycol 3350 Drug Name (Trade): Miralax 17 gram oral powder packet</p>
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How is the medication taken: (include dose, route, and frequency)	One 17 gram pack PO once daily in the AM
Specific Directions not included above:	<p>-Mix the pack with water or juice when taking the medication and be sure to mix the powder completely until it dissolves (Slowiczek, 2019).</p> <p>-Store at room temperature away from moisture and heat (MiraLAX Uses, 2020).</p>
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	<p>Spironolactone; may cause dehydration and electrolyte abnormalities (Lovenox drug interactions, 2020).</p> <p>-Citalopram; irregular heart rhythm (Lovenox Drug Interactions, 2020).</p>
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	No contributory interactions.
Does any of the client's past medical history contradict the use of this medication?	No contributory interactions.
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	This client is currently taking this laxative due to constipation that could be from multiple things, whether it be from the client being dehydrated, ignoring the urge to defecate, or even his medications. According to Sharon Orrange, MD, MPH, this client is likely constipated as a result of his naproxen, iron supplements, and blood pressure

medication in general)	medications (Orrange, MD, MPH, 2019).
What would you teach the client about taking this medication?	-Do not use more than once per day (MiraLAX uses, 2020). -If after 7 days of using this medication and no improvement, stop taking for the time being and call the doctor (MiraLAX uses, 2020)
How much would medication cost per month if paying out of pocket?	\$12.51; 1 bottle; 30 doses of 17g/dose; Kroger Pharmacy (GoodRx, 2020).

Drug #6	Drug Name (Generic): Naproxen Sodium
Drug Class: Analgesic	Drug Name (Trade): Aleve
How is the medication taken: (include dose, route, and frequency)	220mg PO Q12 hours PRN
Specific Directions not included above:	-Take with food to reduce GI distress (Jones, & Bartlett, 2020). -Swallow delayed-release tablets whole and do not break, chew, or crush them (Jones & Bartlett, 2020). -Take this drug with a full glass of water and remain in an upright position for 15-30 minutes after taking it to prevent drug from lodging in esophagus causing irritation (Jones & Bartlett, 2020).

<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>-Enoxaparin; increased risk for bleeding (Lovenox Drug Interactions, 2020).</p> <p>-Spironolactone; increased risk for dehydration and decreases diuretic effectiveness (Jones & Bartlett, 2020).</p> <p>-Losartan; decrease effectiveness of lowering blood pressure (Jones & Bartlett, 2020).</p> <p>-Citalopram; increase risk for bleeding (Jones & Bartlett, 2020).</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>Smoking will increase this client's risk of naproxen-induced GI ulceration (Jones & Bartlett, 2020).</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>Yes, the client suffers from asthma and this medication can cause respiratory depression, dyspnea, and asthma which can increase the client's asthma (Jones & Bartlett, 2020).</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>The client's past medical history does not give enough information to determine why the client would be taking this medication, but it is used to relieve pain or symptoms caused by arthritis (Jones & Bartlett, 2020).</p>
<p>What would you teach the client about taking this medication?</p>	<p>- Tell patient to avoid hazardous activities until full adverse effects of CNS are known (Jones & Bartlett, 2020).</p>

	-Tell the patient that this medication may cause serious cardiovascular reactions, so it is important to seek medical attention immediately if client experiences chest pain, edema, SOB, slurred speech, weakness, or weight change (Jones & Bartlett, 2020).
How much would medication cost per month if paying out of pocket?	\$4.24; 500mg; 20 tablets, Kroger Pharmacy (GoodRx, 2020)

Drug #7	Drug Name (Generic): Multivitamins and minerals
Drug Class: Vitamin	Drug Name (Trade): Berocca Plus
How is the medication taken: (include dose, route, and frequency)	One tablet PO once daily (the dosage may vary depending on what you are deficient on) (Multivitamins and minerals uses, 2020).
Specific Directions not included above:	-Do not take this with milk or other dairy products, calcium supplements or antacids that contain calcium because it can make It harder for your body to absorb the material (Multivitamins and minerals uses, 2020). - Take with a full glass of water (Multivitamins and minerals uses, 2020).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	No contributory interactions.

<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>No contributory interactions.</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>No contributory interactions.</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>The client has anemia which indicates a likely insufficiency in iron. This client medical history does not give lab values, so it is hard to determine why exactly the client is taking the medication because we do not know what the client is lacking. However, multivitamins are used to provide substances that are not taken in to the body which means the client is taking these because he is lacking needed vitamins and minerals (Multivitamins and minerals, 2020).</p>
<p>What would you teach the client about taking this medication?</p>	<p>-Never take more than the recommended dosage prescribed by your doctor or on the label (Multivitamins and minerals, 2020)</p> <p>-Store this medication at room temperature in its original container and away from moisture and heat (Multivitamins and minerals, 2020).</p>
<p>How much would medication cost per month if paying out of pocket?</p>	<p>There are many different types of multivitamins one can get however a multivitamin with fluoride of 0.5 mg (90 chewable tablets) cost \$9.89 at Target (CVS) (GoodRX, 2020).</p>

Drug #8	Drug Name (Generic): Docusate sodium
Drug Class: Stool Softener	Drug Name (Trade): Colace
How is the medication taken: (include dose, route, and frequency)	200mg; PO; twice daily
Specific Directions not included above:	-Take with a full glass of water or milk (Jones & Bartlett, 2020).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	No contributory interactions.
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	No contributory interactions.
Does any of the client's past medical history contradict the use of this medication?	No contributory interactions.
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 is taking this medication because the client is on multiple medications that can cause constipation such as naproxen, iron supplements, and blood pressure medications (Orrange, MD, MPH, 2019). This medication will allow for the stool to soften which will work together with MiraLAX to have a bowel movement (Jones & Bartlett, 2020).

What would you teach the client about taking this medication?	<p>-Do not use when client has abdominal pain, nausea, or vomiting (Jones & Bartlett, 2020).</p> <p>-increase fiber intake and drink 6-8 glasses of water each day to prevent constipation (Jones & Bartlett, 2020).</p>
How much would medication cost per month if paying out of pocket?	\$4.12; 100mg; 60 capsules; at Walmart (GoodRx, 2020).

Drug #9	Drug Name (Generic):Melatonin
Drug Class: hormone supplement	Drug Name (Trade): N-acetyl-5-methoxytryptamine
How is the medication taken: (include dose, route, and frequency)	2mg PO every PM
Specific Directions not included above:	-Take thirty minutes before desired sleep time (Anderson, 2020).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	-Enoxaparin Sodium; increase chance for bleeding and bruising (Melatonin, 2019).

Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	No contributory interactions.
Does any of the client's past medical history contradict the use of this medication?	No contributory interactions with client's 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)	The client's past medical history does not justify why the client is on Melatonin however, a protentional indication would be because the client's blood pressure medications are causing insomnia or his (Melatonin, 2019).
What would you teach the client about taking this medication?	-Avoid operating machinery for at least 4 hours after the medication (Anderson, 2020). -Avoid taking this while also taking OTC medication before talking to your doctor about it (Anderson, 2020).
How much would medication cost per month if paying out of pocket?	\$3.20; 3mg; 30 tablets; Kroger Pharmacy (GoodRx, 2020)

Drug #10	Drug Name (Generic): Citalopram
Drug Class: SSRI/ Antidepressant	Drug Name (Trade): Celexa

How is the medication taken: (include dose, route, and frequency)	20mg; PO; daily
Specific Directions not included above:	<p>-dosage should not exceed 20mg daily in patient's 60 years or above (Jones & Bartlett, 2020).</p> <p>-Take at the same time every day (Jones & Bartlett, 2020).</p>
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	<p>-MiraLAX; irregular heart rhythm (Lovenox Drug Interactions, 2020).</p> <p>-Spironolactone; increased risk for hyponatremia (Lovenox Drug Interactions, 2020).</p> <p>-Enoxaparin; increased risk for bleeding (Jones & Bartlett, 2020).</p> <p>-Naproxen; increased risk for bleeding (Jones & Bartlett, 2020).</p>
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	No contributory interactions.
Does any of the client's past medical history contradict the use of this medication?	No contributory interactions.
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	-Client does not have enough medical history to determine the use of this medication but it indication for use is to treat depression (Jones & Bartlett, 2020).

medication in general)	
What would you teach the client about taking this medication?	<p>-The full effect of this drug may take up to 4 weeks (Jones & Bartlett, 2020).</p> <p>- Do not self-medicate for colds and coughs without consulting prescriber for the clearance (Jones & Bartlett, 2020).</p>
How much would medication cost per month if paying out of pocket?	\$4.00; 20mg; 30 tablets; Walmart (GoodRx, 2020).

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

This client may have potential difficulty taking his medications because many of this client's medications contradict each other. For example, the multivitamins and minerals stress the importance of avoiding dairy products when taking this medication but many of his other medications, such as Colace, recommend him to take medication with milk. Another downfall to this medication regimen is that this client suffers from asthma and hypertension, but Enoxaparin causes worsening hypertension and Naproxen Sodium worsens asthma. The client is contradicting himself when taking those medications which can end up being a struggle. The client also smokes and with the Naproxen worsening his asthma it can cause many problems.

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

The majority of this client's medications have to be taken around the same time, which is helpful to ensure the client does not forget to take certain medications. A lot of the client's medications must be taken with food or with a drink so it is good because the client can take these medications at the same time he eats meals. Another reason the client may be able to maintain this medication regimen is because none of his medications are extremely expensive. Although the client does not have insurance, the price is manageable. The highest costing medication is the enoxaparin medication costing around \$75. With such low prices the client will have a better chance of affording his medications which will increase the client's chances for taking the medications as scheduled.

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)

This client's lifestyle changes are not very alarming when focusing on the interactions, however it is important to stop smoking to better the overall health of the client. I would suggest a change in the client's medication from enoxaparin to a medication that has less drug-to-drug interactions. The majority of this client's struggle is the extreme high risk for bleeding and if the client were to have an

accident it could become extremely fatal. Naproxen also poses a high drug-to-drug interaction threat for this client as well so I would ask the provider to investigate possibly changing those medications to a drug with less of a risk for bleeding.

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

The total monthly out of cost would be \$127.51.

Reflective Statement of Experience:

After completing this project, I now feel more confident in my learnings. This project helped me to expand my knowledge of these medications and make myself more aware of what drugs interact with other drugs. Because of this project, I not only know what drugs interact with the other drugs but, I also know the potentially dangerous outcomes that could come out of drug-to-drug interactions. For example, I did not know Naproxen interacts with anticoagulants and often poses a risk for increased bleeding. This project made me aware of the different medications that need to be taken with food and liquids or without. An example being that multivitamins cannot be taken with milk because it decreases the absorption. If the healthcare team is not careful with their medication administration, many medications can contradict each other and make the drugs cancel out or possibly increase the potential of the drugs. Many times,

clients don't even know what medications they take let alone the different interaction, so we as healthcare providers need to educate them on these issues. It is our job to advocate for the client's and ensure that they are being treated with the most efficient care. We need to ensure the client knows the importance of administration and the possible side effects for that drug. Because of this project, I can now apply this knowledge to my everyday lifestyle and to progress myself in my future career because of this project.

References

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N322 Polypharmacy Grading Rubric

Criteria	Excellent 40 points	Acceptable 31-39 points	Unacceptable 0-30 points	Points Earned
Each drug should have a completed breakdown within the tables provided, which includes the following: <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
Specific Directions not included above:	All key components	The student did list some of the medications	Student failed to answer the	___/10

<ul style="list-style-type: none"> Is there any type of medication on the patient list that have specific directions? (before bed, before breakfast, 30 minutes before meals, etc..) 	<p>were addressed within the paper.</p>	<p>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 if worth one point)</p>	<p>questions and/or the answers were inaccurate. (For each medication this question is worth one point)</p>	
<p>Criteria</p>	<p>Excellent 0 points</p>	<p>Acceptable 16-19</p>	<p>Unacceptable 0-15 points</p>	<p>Points Earned</p>
<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>

Criteria	Excellent 5 points	Acceptable 4 points	Unacceptable 0 -3 points	Points Earned
Lifestyle interactions: <ul style="list-style-type: none"> What lifestyle factors counteract with the medications? (tobacco user, ETOH use – 3 beers daily)	Student showed knowledge why lifestyle would counteract with medications	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)	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)	___/5
Criteria	Excellent 10 points	Average 8-9	Unacceptable 0-7 points	Points Earned
<ul style="list-style-type: none"> Does any of the client's past medical history contradict the use of this medication? 	Student showed knowledge why the client's past medical history would contradict the	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)	Student failed to answer question or Student provided answers to the question(s), but failed to answer	___/10

	use of the medication(s).		all the questions and/or the answers provided were inaccurate. (For each medication this question is worth one point)	
Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0-7 points	Points Earned
<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) 	Student showed knowledge of medications and what conditions corresponds with medications	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)	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)	___/10
Criteria	Excellent 20 points	Acceptable 16-19 points	Unacceptable 0-15 points	Points Earned
<p>What would you teach the client about taking this medication?</p> <ul style="list-style-type: none"> What education is needed for the 	Student showed the importance of medication education, and	The student provided some appropriate education for the client, but failed to capture all of the appropriately prioritized education for the	Student failed to answer the question OR The student provided some	___/20

<p>medication? (For each medication listed the student must prioritize two topics for client education) (You must consider all component(s) of the medication list when answering this question... if there are potential interactions with other medication this may be a priority over general education for this one medication)</p>	<p>appropriate prioritized client education for the scenario provided.</p>	<p>client. (Each topic of education is worth one point)</p>	<p>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>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</p>	<p>Student had knowledge on why a patient would have difficulty with medication regiment</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</p>	<p>___/10</p>

administration, etc)			medications (This question is worth one point for each medication)	
Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0-7 points	Points Earned
<p>Is there anything about this medication regimen/ scenario that might assist the client in maintaining the medication regimen as ordered?</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>	Student had knowledge on medication compliance	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 question is worth one point for each medication)	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 compliance. (This question is worth one point for each medication)	___/10
Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0 points	Points Earned
<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 	Student showed research on medication costs	The student provided accurate research for some of the medications, but failed to provide research for all medications (This question is worth one point for each medication, with the total cost being worth 5 points)	Student failed to answer the question OR The student provided accurate research for some of the medications, but	___/15

<p>client's monthly out of pocket expense for all 10 medications?</p>			<p>failed to provide research for all medications (This question is worth one point for each medication, with the total cost being worth 5 points)</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> <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 	<p>The document included a title page, the rubric, the client scenario, a reference page which included five references that were cited within the document. APA formatting was consistent with the APA manual.</p>	<p>The document did not meet all of the criteria for formatting/ referencing. See "criteria" to the left for further breakdown.</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>

<p>(3 points)</p> <ul style="list-style-type: none"> 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) 				
Criteria	Excellent 20 points	Acceptable 16-19 points	Unacceptable 0-15 points	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: -insight into the project itself (a specific example within the project and its implications) -A basic understanding of polypharmacy -A reflection on this student nurses role in this scenario as a client advocate/educator/caregiver 	The students provided reflection showed good insight into the project itself, polypharmacy, and the nurses role in client advocacy	The student provided a reflection, however the reflection lacked one of the following -insight into the project itself (a specific example within the project and its implications). -A basic understanding of polypharmacy -A reflection on this student nurses role in this scenario as a client advocate/educator/caregiver	Student failed to reflect on their project OR the student addressed only of the topics of reflection	___/10
<p>Total Points</p>				___/200