

Polypharmacy Project

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N322 Introduction to Pharmacology

Lakeview College of Nursing

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Polypharmacy Case 4

Background: Gary is a 70-year-old male admitted to the long-term care facility post stroke. He is alert with confusion and has extensive weakness to his right side, as well as profound oropharyngeal dysphagia. Nurses will be administering his medications for him at this time. He is currently oxygen dependent post stroke, prior to this hospitalization he was not using oxygen. You are the nurse completing Gary's admission head to toe assessment and medication reconciliation. Gary smokes one pack a day of cigarettes, does not drink alcohol, and has a history of smoking marijuana.

Insurance: Gary does not have any form of insurance.

Allergies: No known allergies

Diet: Pureed diet. Nectar thick liquids.

Medical diagnosis: dysphagia following stroke, hypertension, anemia, and asthma

Current medications include the following:

Lovenox 40 mg SC daily

Ferrous Sulfate ER 160 mg by mouth daily

Spironolactone 50 mg by mouth twice daily

POLYPHARMACY

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Losartan 50 mg by mouth once daily

Bisacodyl 10 mg rectally PRN daily

Naproxen sodium 220mg every 12 hours by mouth as needed

Multivitamin with minerals by mouth one daily

Colace 200 mg capsule by mouth twice a day

Benadryl 25 mg by mouth at HS PRN

Citalopram 20 mg by mouth daily

Drug #1	Drug Name (Generic): Enoxaparin
Drug Class: Anticoagulant	Drug Name (Trade): Lovenox

How is the medication taken: (include dose, route, and frequency)	40 mg subcutaneously daily
Specific Directions not included above:	aPTT should be drawn approximately 1 hours before a dose. (Frandsen & Pennington, 2020)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Naproxen sodium oral and Enoxaparin injection can increase the risk of bleeding complications. Spironolactone oral and Enoxaparin injection may increase potassium levels in the blood. Citalopram oral and Enoxaparin injection can increase the risk of bleeding. (Drugs.com, 2000)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Nicotine can decrease the anticoagulant effect. (Frandsen & Pennington, 2020)
Does any of the client's past medical history contradict the use of this medication?	Yes, the patient has hypertension which could predispose him to hemorrhage during the course of medications. (Frandsen & Pennington, 2020)
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	Gary is taking Lovenox because he had recently experienced a stroke so this medication will help to further prevent blood clots and possibly prevent another stroke. (Frandsen &

history, please list potential indications for use of the medication in general)	Pennington, 2020)
What would you teach the client about taking this medication?	Make sure to contact the primary if you experience any signs and symptoms of bleeding. Also, implement safety precautions to prevent injury. Make sure to use an electric razor and a soft toothbrush. (Frandsen & Pennington, 2020)
How much would medication cost per month if paying out of pocket?	Lovenox would cost \$74.71 per month if paying out of pocket. (<i>GoodRx</i> , 2021)

Drug #2	Drug Name (Generic): Ferrous Sulfate
Drug Class: Iron Supplement	Drug Name (Trade): Feosol
How is the medication taken: (include dose, route,	160 mg by mouth daily

and frequency)	
Specific Directions not included above:	Oral tablets are better if taken on an empty stomach. Sometimes people get GI irritation so some may take it with or immediately following meals. People should take iron 2 hours before or after a caffeine-containing meal. (Frandsen & Pennington, 2020)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	No
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Ferrous sulfate cannot be crushed which is a lifestyle interaction because Gary is on pureed diet.
Does any of the client's past medical history contradict the use of this medication?	The patient's past medical history of anemia contradicts ferrous sulfate because it causes accumulation of iron. (Frandsen & Pennington, 2020)
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	It is used to treat and prevent iron deficiency anemia. (Frandsen & Pennington, 2020)

history, please list potential indications for use of the medication in general)	
What would you teach the client about taking this medication?	Avoid foods including cereals, cheese, coffee, eggs, milk, tea, bran and whole-grain breads, and yogurt because these foods decrease iron absorption. Also, oral iron may turn stools black. (Frandsen & Pennington, 2020)
How much would medication cost per month if paying out of pocket?	Ferrous sulfate would cost \$1.86 per month paying out of pocket. (GoodRx, 2021)

Drug #3	Drug Name (Generic): Spironolactone
Drug Class: Potassium-Sparing Diuretic	Drug Name (Trade): Aldactone
How is the medication taken: (include dose, route,	50 mg by mouth twice daily

and frequency)	
Specific Directions not included above:	Absorption is best if the drug is administered with food also at the same time every day preferably in the morning. (Frandsen & Pennington, 2020)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Losartan interacts with spironolactone in which it will increase the risk of hyperkalemia. It also interacts with naproxen sodium oral and you should monitor blood pressure and kidney function. Spironolactone interacts with diphenhydramine oral because it will lower your blood pressure. Bisacodyl oral and spironolactone taken together over time will create laxative effect which may increase risk of dehydration and electrolyte abnormalities. Enoxaparin injection and spironolactone interact with each other and may increase potassium levels in the blood. Lastly, citalopram oral interacts with spironolactone and causes blood sodium levels to get too low. (Drugs.com, 2000)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	No

Does any of the client's past medical history contradict the use of this medication?	No
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)	Gary is taking this medication to help treat his hypertension. (Frandsen & Pennington, 2020)
What would you teach the client about taking this medication?	Make sure to do routine blood pressure readings. The medication may cause dizziness or drowsiness so avoid driving and operating machinery. (Frandsen & Pennington, 2020)
How much would medication cost per month if paying out of pocket?	The medication would cost \$3.00 a month paying out of pocket. (<i>GoodRx</i> , 2021)

Drug #4	Drug Name (Generic): Losartan
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Drug Class: Angiotensin II Receptor Blockers	Drug Name (Trade): Cozaar
How is the medication taken: (include dose, route, and frequency)	50 mg by mouth once daily
Specific Directions not included above:	You can take Losartan without meals. (Frandsen & Pennington, 2020)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Spirolactone contradicts Losartan because it increases the risk of hypotension. Naproxen Sodium contradicts with Losartan because it decreases the serum levels. It also interacts with diphenhydramine oral and may have effects in lowering blood pressure. Enoxaparin oral and losartan interact because it increases potassium levels in the blood. (Drugs.com, 2000)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Gary should reduce smoking to help improve his blood pressure. (Frandsen & Pennington, 2020)
Does any of the client's past medical history contradict the use of this medication?	No
What is the indication for use of this medication	Losartan is used in the treatment of hypertension and reduce the risk of stroke . If

<p>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>losartan alone does not control blood pressure, a low dose diuretic may be added after 1-2 months. (Frandsen & Pennington, 2020)</p>
<p>What would you teach the client about taking this medication?</p>	<p>Make sure to avoid the use of alcohol or grapefruit juice. Make sure to also review the list of herbs and other medications which may increase or decrease the use of the medication. (Frandsen & Pennington, 2020)</p>
<p>How much would medication cost per month if paying out of pocket?</p>	<p>Losartan would cost \$3.00 a month if paying out of pocket. (<i>GoodRx</i>, 2021)</p>

<p>Drug #5 Drug Class: Cathartics</p>	<p>Drug Name (Generic): Bisacodyl Drug Name (Trade): Dulcolax</p>
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How is the medication taken: (include dose, route, and frequency)	10 mg rectally PRN daily
Specific Directions not included above:	No
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Bisacodyl oral and spironolactone taken together over time will create laxative effect which may increase risk of dehydration and electrolyte abnormalities. Citalopram oral and bisacodyl cause interaction because they cause an irregular heart rhythm, which could be serious and life-threatening. (Drugs.com, 2000)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	No
Does any of the client's past medical history contradict the use of this medication?	No
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)	Bisacodyl is commonly prescribed for the relief of constipation and as part of bowel preparation before medical examinations and surgery. It can also be used in the management of neurogenic bowel dysfunction. (Frandsen & Pennington, 2020)

What would you teach the client about taking this medication?	Maintain adequate fluids, a high-fiber diet, and exercise are all very important. Also, bisacodyl should be not used for longer than 1 week. (Frandsen & Pennington, 2020)
How much would medication cost per month if paying out of pocket?	Bisacodyl would cost \$2.99 per month if paying out of pocket. (GoodRx, 2021)

Drug #6	Drug Name (Generic): Naproxen Sodium
Drug Class: Nonsteroidal Anti-inflammatory agent	Drug Name (Trade): Aleve
How is the medication taken: (include dose, route, and frequency)	220 mg every 12 hours by mouth as needed
Specific Directions not included above:	Take the medication with meals to prevent GI upset. (Frandsen & Pennington, 2020)

<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>Losartan oral interacts with naproxen sodium oral by reducing the effects of losartan in lowering blood pressure. Enoxaparin injection and naproxen sodium oral together increase the risk of bleeding complications. Spironolactone oral and naproxen sodium oral taken together you need to monitor for blood pressure and kidney function, as long as drinking plenty of water. Citalopram oral and naproxen sodium oral increase the risk of bleeding. (Drugs.com, 2000)</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>No</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>It is important to administer the medication cautiously to patients with asthma and hypertension. (Frandsen & Pennington, 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</p>	<p>Naproxen sodium is usually ordered to reduce the pain resulting from an acute migraine headache. (Frandsen & Pennington, 2020)</p>

history, please list potential indications for use of the medication in general)	
What would you teach the client about taking this medication?	Take medication as prescribed. Report sore throat, fever, rash, itching, edema, visual changes, and black, tarry stool to your provider. (Frandsen & Pennington, 2020)
How much would medication cost per month if paying out of pocket?	Naproxen sodium would cost \$2.67 per month if paying out of pocket. (GoodRx, 2021)

Drug #7	Drug Name (Generic): Multivitamin with minerals
Drug Class:	Drug Name (Trade):
How is the medication taken: (include dose, route, and frequency)	By mouth Once daily
Specific Directions not included above:	No
Does this medication interact with any other medication(s) on this list? (see rubric for further	No

instruction)	
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	No
Does any of the client's past medical history contradict the use of this medication?	No
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 taking a multivitamin because it is difficult for him to eat, it provides him with proper vitamins and minerals. (<i>Multivitamins Uses, Side Effects, Dosage & Interactions, 2021</i>)
What would you teach the client about taking this medication?	Do not take more than what is recommended. Take your multivitamin with a full glass of water. (<i>Multivitamins Uses, Side Effects, Dosage & Interactions, 2021</i>)
How much would medication cost per month if paying out of pocket?	The price per month on a multivitamin would be around \$11.95. (Drugs.com, 2000)

Drug #8	Drug Name (Generic): Colace
Drug Class: Surfactant Laxative	Drug Name (Trade): Docusate sodium
How is the medication taken: (include dose, route, and frequency)	200 mg capsule by mouth twice a day
Specific Directions not included above:	Take with a full glass of water. (Frandsen & Pennington, 2020)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	No

<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>Colace cannot be crushed which is a lifestyle interaction because Gary is on a pureed diet.</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>Hypertension (Frandsen & Pennington, 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 medication is primarily used to prevent straining while expelling stool. (Frandsen & Pennington, 2020)</p>
<p>What would you teach the client about taking this medication?</p>	<p>Store the medication at room temperature and away from moisture. The medication usually starts acting within 1 to 3 days and should be taken daily. You should not use this medication longer than 1 week. (Frandsen & Pennington, 2020)</p>
<p>How much would medication cost per month if paying out of pocket?</p>	<p>The cost of Colace out of pocket each month would be around \$3.40. (<i>GoodRx</i>, 2021)</p>

<p>Drug #9</p> <p>Drug Class: First Generation H1 Receptor Antagonist</p>	<p>Drug Name (Generic): Diphenhydramine</p> <p>Drug Name (Trade): Benadryl</p>
<p>How is the medication taken: (include dose, route, and frequency)</p>	<p>25 mg by mouth as HS PRN</p>
<p>Specific Directions not included above:</p>	<p>Take with milk if stomach upset occurs. (<i>Benadryl Decongestant Oral: Uses, Side Effects, Interactions, Pictures, Warnings & Dosing - WebMD, n.d.</i>)</p>
<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>Spirolactone interacts with diphenhydramine oral because it will lower your blood pressure. It also interacts with diphenhydramine oral and may have effects in lowering blood pressure. Citalopram oral and diphenhydramine interact together by increasing side effects such as dizziness, drowsiness, confusion, and difficulty concentrating.</p>

	(Drugs.com, 2000)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Diphenhydramine cannot be crushed which is a lifestyle interaction because Gary is on a pureed diet. (<i>Benadryl Decongestant Oral: Uses, Side Effects, Interactions, Pictures, Warnings & Dosing - WebMD, n.d.</i>)
Does any of the client's past medical history contradict the use of this medication?	No
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)	Diphenhydramine is often used for hypersensitivity reactions (allergic rhinitis, conjunctivitis, dermatitis), motion sickness, insomnia, and parkinsonism. (Frandsen & Pennington, 2020)
What would you teach the client about taking this medication?	Antihistamines may dry or thicken respiratory tract secretions. Antihistamines are most effective before exposure to the stimulus that causes histamine release. (<i>Benadryl Decongestant Oral: Uses, Side Effects, Interactions, Pictures, Warnings & Dosing - WebMD, n.d.</i>)
How much would medication cost per month if	The cost of Benadryl paying out of pocket per money would be \$1.63. (<i>GoodRx, 2021</i>)

paying out of pocket?	
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Drug #10 Drug Class: Selective Serotonin Reuptake Inhibitors	Drug Name (Generic): Celexa Drug Name (Trade): Citalopram
How is the medication taken: (include dose, route, and frequency)	20 mg by mouth daily
Specific Directions not included above:	Should be taken at the same time every day. Taking them at night, might interfere with sleep. (Frandsen & Pennington, 2020)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Citalopram oral and diphenhydramine interact together by increasing side effects such as dizziness, drowsiness, confusion, and difficulty concentrating. Citalopram oral and naproxen sodium oral increase the risk of bleeding. Citalopram oral interacts with spironolactone and causes blood sodium levels to get too low. Citalopram oral and Enoxaparin injection can increase the risk of bleeding. Citalopram oral and bisacodyl

	cause interaction because they cause an irregular heart rhythm, which could be serious and life-threatening. (Drugs.com, 2000)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	No
Does any of the client's past medical history contradict the use of this medication?	No
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)	Citalopram is often used to treat depression and sometimes panic attacks. It helps people recover from depression, and fewer the unwanted side effects. (Frandsen & Pennington, 2020)
What would you teach the client about taking this medication?	Use sugar-free gum or hard candies to counteract dry mouth. Start on a low dose and you can slowly increase it from there. (Frandsen & Pennington, 2020)
How much would medication cost per month if paying out of pocket?	Citalopram would cost \$3.00 per month if paying out of pocket. (GoodRx, 2021)

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

- My patient Gary is on a pureed diet which is when you eat foods that don't require much chewing, so we want to make sure all of our drugs can be crushed. This diet makes it extremely difficult to follow the medication regimen because many of the medications should be taken whole and cannot be crushed or chewed. Also, the patient recently had a stroke and has dysphagia which makes it difficult to swallow. Enoxaparin is also a very expensive medication, so the patient might find it hard to get the medication every month especially without insurance.

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

- Since the patient does follow a pureed diet, we could provide his medications with a small amount of pudding or applesauce. Since the patient does have dysphagia though, we will have to make sure the bite is small enough so he does not choke on the

food. On a good note, all the medications in Gary's regimen are fairly cheap so it will not be hard for him to continue to take them from month to month.

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 I might make to the provider would be decreasing some medications because there are several medications that all interact with each other which makes it hard for Gary to follow his regimen without interactions. Also, I would suggest a diet change because a lot of the drugs cannot be crushed and our easiest way to administer the medications would be this route. When it comes to lifestyle changes, I would ask Gary to cut down on smoking one pack a day.

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

- The total cost per month for all of Gary's medications would be around \$108.21.

Reflective Statement of Experience:

- I enjoyed this project because it made me research and learn a lot about different types of drugs and their interactions with other drugs. I didn't realize how much drugs interact with other drugs. This project took a lot of time and was very time consuming but overall it is a good learning experience and it provides good knowledge.

References

- Benadryl Decongestant Oral: Uses, Side Effects, Interactions, Pictures, Warnings & Dosing - WebMD.* (n.d.). WebMD. Retrieved April 4, 2021, from <https://www.webmd.com/drugs/2/drug-5135/benadryl-decongestant-oral/details>
- Drugs.com. (2000). *Drugs.com | Prescription Drug Information, Interactions & Side Effects.* <https://www.drugs.com/>
- Frandsen, G., & Pennington, S.S. (2020). *Abrams' clinical drug therapy: Rationales for nursing practice* (12 ed.). Wolters Kluwer.
- (Frandsen & Pennington, 2020)
- GoodRx.* (2021). GoodRx. <https://www.goodrx.com>
- Multivitamins Uses, Side Effects, Dosage & Interactions.* (2021, January 21). EMedicineHealth.
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N322 Polypharmacy Rubric

You will be given a scenario about your client with a list of medications. You will make sure your client is taking medications correctly, educate them on educations, and look for contradictions, costs, over the counter lifestyle factors & compliance with medications.

Please address all rubric items. Please include a reflection of your experience. You may place drugs in each separate paragraph or in a table. You must cite your source for each paragraph or table.

N322 Polypharmacy Grading Rubric

Criteria	Excellent 40 points	Acceptable 31-39 points	Unacceptable 0-30 points	Points Earned
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<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) 	<p>All key components were addressed within the paper and were accurate.</p>	<p>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)</p>	<p>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)</p>	<p>___/40</p>
<p>Criteria</p>	<p>Excellent 10 points</p>	<p>Acceptable 8-10 points</p>	<p>Unacceptable 0 - 7 points</p>	<p>Points Earned</p>
<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>	<p>All key components were addressed within the paper.</p>	<p>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 if worth one point)</p>	<p>Student failed to answer the questions and/or the answers were inaccurate. (For each medication this question is worth one point)</p>	<p>___/10</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</p>	<p>All medications reviewed and student explained</p>	<p>The student did list some of the potential interactions of the medication(s), but failed to address all potential</p>	<p>Student failed to answer question and/or The student did list some of the potential</p>	<p>___/20</p>

<p>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>medication interactions.</p>	<p>interactions that are serious and/or need close monitoring. (for each medication listed this question is worth two points)</p>	<p>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>	
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Criteria	Excellent 5 points	Acceptable 4 points	Unacceptable 0 -3 points	Points Earned
<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</p>	<p>___/5</p>

			listed were not priority or were incorrect. (For each medication, this question is worth half a point)	
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 use of the medication(s).	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 all the questions and/or the answers provided were inaccurate. (For each medication this question is worth one point)	___/10
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 	Student showed knowledge of medications	The student provided appropriate indications for some of the medications, but failed to capture all of the	Student failed to answer the question or The student	___/10

<p>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>and what conditions corresponds with medications</p>	<p>appropriate indications for use. (For each medication this question is worth one point)</p>	<p>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>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 interactions with other medication this may be a priority over general</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>

education for this one 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 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 regiment? <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 why a patient would have difficulty with medication regiment	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)	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)	___/10
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 	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	Student failed to answer the question OR The student answered the question appropriately	___/10

<p>present to remain compliant?</p> <p>(Please consider all factors in the scenario and all information provided within your chart – including cost, insurance, frequency of administration, etc.</p>		for each medication)	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)	
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 client's monthly out of pocket expense for all 10 medications? 	Student showed research on medication costs	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)	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)	___/15
Criteria	Excellent 20 points	Acceptable 16-19 points	Unacceptable 0-15 points	Points Earned
The student must	The document	The document did not meet	The document	___/20

<p>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 (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>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>all of the criteria for formatting/ referencing. See "criteria" to the left for further breakdown.</p>	<p>did not meet all of the criteria for formatting/ referencing. See "criteria" to the left for further breakdown.</p>	
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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>	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.	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.	The student failed to answer the question OR the student answered the question, however the students answer was dangerously inaccurate.	___/20
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 	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 <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 -A reflection on this student 	Student failed to reflect on their project OR the student addressed only of the topics of reflection	___/10

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