Polypharmacy Project

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N322 Introduction to Pharmacology

Lakeview College of Nursing

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PLEASE INSERT YOUR CLIENT SCENARIO HERE – THIS WILL BE PAGE TWO OF THE DOCUMENT

Polypharmacy Case 1

Background: Caroline is a 78-year-old female that resides at home with her daughter who is her primary caregiver. No one else lives with them. Caroline requires extensive assistance from her daughter in completing all of her activities of daily living, as she cannot follow simple commands to complete the steps of her activities of daily living. She also is experiencing extensive communicative difficulties resulting in the majority of her communication being word salad. She expresses anger often, and was recently discharged from the local psychiatric hospital related to her physically combative behaviors during care. Caroline has a history of smoking – but quit about ten years ago. She has a history of drinking socially, and currently drinks one glass of wine a day at lunch. Caroline and her daughter have no other family in the area.

Insurance: Caroline has prescription medication insurance only. She does not have insurance for medical visits.

Allergies: Penicillins & Peanuts

Diet: Mechanical Soft with thin liquids related to difficulty chewing

Medical diagnosis: Alzheimer's with behavioral disturbance, COPD, hyperlipidemia, and chronic kidney disease

Current medications include the following:

Zyprexa 7.5 mg by mouth one time a day

Donepezil 10 mg by mouth at HS

Colace 200 mg by mouth one time a day

Haloperidol 2 mg IM every 4 hour PRN

Ibuprofen 400 mg by mouth every 6 hours PRN

Atrovent HFA take 2 inhalations four times a day

ProAir HFA take 2 puffs via inhalation four times a daily PRN

Namenda 5 mg by mouth twice a day

Lipitor 30 mg by mouth once daily

Miralax 17 gm mixed in 8 ounces of juice or water by mouth once a day.

Drug #1	**Drug Name (Generic):** Olanzapine **Drug Name (Trade):** Zyprexa **Drug Class:** Atypical Antipsychotics
How is the medication taken: (include dose, route, and frequency)	7.5 mg PO daily
Specific Directions not included above:	Tablets or capsules should be swallowed whole and not chewed, crushed, or split/opened (Jones & Bartlett Learning).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Donepezil: may cause abnormal heart rhythm (Jones & Bartlett Learning). Haloperidol: increases anti dopamine effects, drowsiness, and abnormal heart rhythm (Jones & Bartlett Learning). Atrovent: may cause hypoglycemia and decreases levels of ipratropium (Jones & Bartlett Learning). Albuterol: may cause abnormal heart rhythm and increase drowsiness (Jones & Bartlett Learning).
Lifestyle interactions: **(Daily tobacco use, alcohol, drugs, etc.)**	I would educate my patient on the effects of smoking as well as drinking more than socially due to the adverse effects of zyprexa.

Does any of the client's past medical history contradict the use of this medication?	Alzheimers: this drug can cause a decline in cortical thickness in both the left and right hemisphere of the brain which can affect memory. Hyperlipidemia: This drug can cause weight gain or high cholesterol and this patient already has high cholesterol.
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 takes this medication for their behavioral disturbances. This drug is often used for schizophrenia and bipolar disorder.
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. I would teach the client about the importance of getting their blood drawn to watch their cholesterol levels. 2. Advise the patient to not sit up abruptly because it can cause dizziness which may lead to falls.
How much would medication cost per month if paying out of pocket?	$9.00 (1 bottle) (GoodRx, 2023).

Drug #2	**Drug Name (Generic):** Donepezil **Drug Name (Trade):** Aricept **Drug Class:** Cholinesterase inhibitors
How is the medication taken: (include dose, route, and frequency)	10 mg PO at bedtime
Specific Directions not included above:	Swallow the regular tablet whole and do not crush, chew, or break it. (Drugs.com, 2023).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Zyprexa: may cause abnormal heart rhythm (Jones & Bartlett Learning). Haloperidol: may cause an abnormal heart rhythm (Jones & Bartlett Learning). Albuterol: may cause an abnormal heart rhythm (Jones & Bartlett Learning). Atrovent: may cause blurred vision, Donepezil increases and Ipratropium decreases additive side effects that may cause blurred vision, increased saliva, and increased bowel movements and urination (WebMD).
Lifestyle interactions: **(Daily tobacco use, alcohol, drugs, etc.)**	I would educate my patient on the effects of smoking as well as drinking more than socially due to the adverse effects of donepezil.

Does any of the client's past medical history contradict the use of this medication?	The history of chronic kidney disease puts the patient at a higher risk for toxicity. The history of COPD puts the patient at risk for ineffective breathing because donepezil may constrict airway passages and increase secretions in the lungs.
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 for patients with Alzheimer's disease.
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. This medication should be taken at night time. 2. Take with water only.
How much would medication cost per month if paying out of pocket?	$9.00 (1 bottle) (GoodRx, 2023).
Drug #3	**Drug Name (Generic):** Docusate **Drug Name (Trade):** Colace **Drug Class:** Laxative
How is the medication taken: (include dose, route, and frequency)	200 mg PO one time a day

Specific Directions not included above:	Take with a full glass of water (Drugs.com, 2023).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	This medication does not interfere with any other medications this patient is taking.
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	I would educate my patient on the effects of smoking as well as drinking more than socially due to the adverse effects of colace.
Does any of the client's past medical history contradict the use of this medication?	No past medical history contradicts with 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 history, please list potential indications for use of the medication in general)	Colace is used to treat or prevent constipation.
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1.Store at room temperature 2.Educate about the use of chronic laxative use
How much would medication cost per month if paying out of pocket?	$2.84 (1 bottle) (GoodRx, 2023).

Drug #4	**Drug Name (Generic):** Haloperidol **Drug Name (Trade):** Haldol **Drug Class:** Miscellaneous antipsychotic agents
How is the medication taken: (include dose, route, and frequency)	2 mg intramuscular every 4 hours PRN
Specific Directions not included above:	Taking too much haloperidol can cause a serious heart rhythm disorder or sudden death. Never take more than your prescribed dose (Drugs.com, 2023).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Zyprexa: may increase anti dopamine effects, drowsiness, and abnormal heart rhythm (Jones & Bartlett Learning). Donepezil: may cause abnormal heart rhythm (Jones & Bartlett Learning). Atrovent: may cause hypoglycemia and haloperidol can decrease the absorption of atrovent when taken orally (Jones & Bartlett Learning). Albuterol: may cause an abnormal heart rhythm (Jones & Bartlett Learning).
Lifestyle interactions: **(Daily tobacco use, alcohol, drugs, etc.)**	I would educate my patient on the effects of smoking as well as drinking more than socially due to the adverse effects of haloperidol.

Does any of the client's past medical history contradict the use of this medication?	Haloperidol may lead to undesirable changes in the kidney after chronic treatment with especially high doses.
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)	Treat the patients combative behaviors during care.
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. Do not stop taking haloperidol suddenly. 2.Store at room temperature away from moisture, heat, and light. Do not allow liquid medicine to freeze.
How much would medication cost per month if paying out of pocket?	$11.98 (1 bottle) (GoodRx, 2023).
Drug # 5	**Drug Name (Generic):** Ibuprofen **Drug Name (Trade):** Advil and motrin **Drug Class:** NSAID

How is the medication taken: (include dose, route, and frequency)	400 mg orally every 6 hours PRN
Specific Directions not included above:	Take ibuprofen with food or milk to lessen stomach upset (Drugs.com, 2023).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Albuterol: may decrease potassium levels in the blood (Jones & Bartlett Learning).
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	I would educate my patient on the effects of smoking as well as drinking more than socially due to the adverse effects of ibuprofen.
Does any of the client's past medical history contradict the use of this medication?	Ibuprofen is generally well-tolerated by the kidneys, but you should only take it as prescribed for a few days if you have a chronic kidney disease. The drug increases your risk of kidney impairment. COPD: ibuprofen can block the production of prostaglandin E (PGE) in the lower respiratory tract
What is the indication for use of this medication based on the client's past medical history? (If unable	This medication is used to reduce fever and treat pain or inflammation.

to determine an indication based on past medical 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)	1.The maximum amount of ibuprofen for adults is 800 milligrams per dose or 3200 mg per day (4 maximum doses). 2.Store at room temperature away from moisture and heat. Do not allow the liquid medicine to freeze.
How much would medication cost per month if paying out of pocket?	$10.38 (1 bottle) (GoodRx, 2023).
Drug # 6	**Drug Name (Generic): ipratropium bromide** **Drug Name (Trade): Atrovent HFA** **Drug Class: Bronchodilator**
How is the medication taken: (include dose, route, and frequency)	2 inhalations four times a day

Specific Directions not included above:	The inhaler should be primed before using for the first time by releasing 2 test sprays into the air away from the face, or if it has not been used for more than 3 days. (Drugs.com, 2023)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Using diphenhydrAMINE together with ipratropium may increase side effects such as drowsiness, blurred vision, dry mouth, heat intolerance, flushing, decreased sweating, difficulty urinating, abdominal cramping, constipation, rapid heart beat, confusion, memory problems, and glaucoma. (Drugs.com, 2023)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	I would educate my patient on the effects of smoking as well as drinking more than socially due to the adverse effects of ipratropium bromide.
Does any of the client's past medical history contradict the use of this medication?	No, the client takes this drug to treat exacerbations of COPD.
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 drug works to provide maintenance treatment for bronchospasm associated with chronic obstructive pulmonary disease (COPD).

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)	1. Instruct the client to rinse mouth after each inhaler treatment to help minimize throat dryness and irritation. (Jones & Bartlett Learning). **2.** Advise the client to keep the spray out of her eyes because it may irritate or blur her vision. (Jones & Bartlett Learning)
How much would medication cost per month if paying out of pocket?	$482.23 (1 inhaler) (GoodRx, 2023)
Drug # 7	**Drug Name (Generic): albuterol sulfate** **Drug Name (Trade): ProAir HFA** **Drug Class: Bronchodilator**
How is the medication taken: (include dose, route, and frequency)	Take 2 puffs via inhalation four times daily PRN
Specific Directions not included above:	Shake Proair HFA canister before use and check that a new canister is working by spraying it the appropriate number of times into the air while looking for a fine mist. (Jones & Bartlett Learning).

Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Using OLANZapine together with albuterol can increase the risk of an irregular heart rhythm that may be serious and potentially life-threatening, although it is a relatively rare side effect. (Drugs.com, 2023) Donepezil can occasionally cause slowing of the heart rate or other irregular heart rhythm, and combining it with medications like albuterol may increase that risk. (Drugs.com, 2023)
Lifestyle interactions: **(Daily tobacco use, alcohol, drugs, etc.)**	I would educate my patient on the effects of smoking as well as drinking more than socially due to the adverse effects of albuterol sulfate.
Does any of the client's past medical history contradict the use of this medication?	No past medical history contradicts the use of 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 history, please list potential indications for use of the medication in general)	The medication is used to treat exacerbations of COPD.

What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. Advise the client to wait at least 1 minute between inhalations. (Jones & Bartlett Learning). 2. Tell the client to immediately report signs and symptoms of allergic reaction, such as difficulty swallowing, itching and rash. (Jones & Bartlett Learning).
How much would medication cost per month if paying out of pocket?	$13.00 per inhaler (Good Rx, 2023)
Drug # 8	**Drug Name (Generic): memantine hydrochloride** **Drug Name (Trade): Namenda** **Drug Class: Antidementia Agent**
How is the medication taken: (include dose, route, and frequency)	5 mg by mouth twice a day
Specific Directions not included above:	Tablets and capsules should be swallowed whole and not chewed or crushed. (Jones & Bartlett Learning).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	This medication doesn't interact with any of the other medications this client is taking.

Lifestyle interactions: **(Daily tobacco use, alcohol, drugs, etc.)**	I would educate my patient on the effects of smoking as well as drinking more than socially due to the adverse effects of memantine hydrochloride.
Does any of the client's past medical history contradict the use of this medication?	No past medical history contradicts the use of 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 history, please list potential indications for use of the medication in general)	Indication for use with this client is to treat moderate to severe dementia caused by Alzheimer's disease**.**
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. Alert the client or caregiver that memantine has the potential to cause suicidal thoughts. If present, prescriber should be notified immediately. (Jones & Bartlett Learning). 2. Advise patients to avoid a diet excessively high in fruit and vegetables because these foods contribute to alkaline urine, which can alter memantine clearance and increase adverse reactions. (Jones & Bartlett Learning).
How much would medication cost per month if paying out of pocket?	$13.18 (60, 10mg tablets) (Good Rx, 2023)

Drug # 9	**Drug Name (Generic): atorvastatin calcium** **Drug Name (Trade): Lipitor** **Drug Class: Antihyperlipidemic**
How is the medication taken: (include dose, route, and frequency)	30 mg by mouth once daily
Specific Directions not included above:	Give this drug at the same time of day to maintain effects.
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	This medication doesn't interact with any of the other medications this client is taking.
Lifestyle interactions: **(Daily tobacco use, alcohol, drugs, etc.)**	I would educate my patient on the effects of smoking as well as drinking more than socially due to the adverse effects of atorvastatin calcium.
Does any of the client's past medical history contradict the use of this medication?	No, this client takes this medication to help control hyperlipidemia.
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	To control lipid levels as adjunct to diet in primary hypercholesterolemia and mixed dyslipidemia. (Jones & Bartlett Learning)

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)	1. Tell the client to take the drug at the same time each day to maintain effects. (Jones & Bartlett Learning) 2. Advise the client to notify the prescriber immediately if he develops unexplained muscle pain, tenderness, or weakness, especially if accompanied by fatigue or fever. (Jones & Bartlett Learning)
How much would medication cost per month if paying out of pocket?	$4.77 (40, 30mg tablets) (Good Rx, 2023)
Drug # 10	**Drug Name (Generic): polyethylene glycol** **Drug Name (Trade): Miralax** **Drug Class: laxative**
How is the medication taken: (include dose, route, and frequency)	17 gm mixed in 8 ounces of juice or water by mouth once a day
Specific Directions not included above:	Do not use this drug more than once a day. (Drugs.com, 2023)

Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Albuterol and Haloperidol can cause an irregular heart rhythm that may be serious and potentially life-threatening, although it is a relatively rare side effect. The risk is increased if you have low blood levels of magnesium or potassium, which can occur with bowel cleansing preparations or excessive use of medications that have a laxative effect.
Lifestyle interactions: **(Daily tobacco use, alcohol, drugs, etc.)**	I would educate my patient on the effects of smoking as well as drinking more than socially due to the adverse effects of Miralax.
Does any of the client's past medical history contradict the use of this medication?	No past medical history contradicts the use of 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 history, please list potential indications for use of the medication in general)	Miralax is a laxative solution that increases the amount of water in the intestinal tract to stimulate bowel movements and is used to treat occasional constipation or irregular bowel movements. (Drugs.com, 2023)
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. Miralax should produce a bowel movement within 1 to 3 days of using medication. (Drugs.com, 2023)

	2. Contact your provider if you are still constipated or irregular after using this medication for 7 days in a row. (Drugs.com, 2023)
How much would medication cost per month if paying out of pocket?	$ 22.85 (30, 17g tablets) (Good Rx, 2023)

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

Caroline has Alzheimer's and requires extensive assistance completing activities of daily living. She has problems communicating and can not follow simple commands which makes it difficult to maintain compliance with her medication regimen. That is why it is important for her daughter/caregiver to make sure she is taking her medications everyday as prescribed**.**

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

Caroline should look into getting a weekly pill organizer. Caroline is taking several medications each day and that is a lot to keep track of for one person. She has alzheimers which puts her more at risk for missing medications. Her daughter who is her primary caregiver

could help her each week fill the weekly pill organizer ensuring that each medication is properly placed in each day and the correct amount of each medication.

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)

A suggestion we would make to the client would be to not only routinely get blood work done but also a routine EKG done. Multiple medications had interactions with each other that put the patient at risk for abnormal heart rhythm. When the patient goes into to get blood work done, she should also get a routine EKG to ensure her heart rhythm is normal and shows no signs of dysrhythmias.

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 expense for all 10 medications is $579.23

Reflective Statement of Experience:

Chiquita- I felt like this assignment was okay, it helped me get a better understanding of these medications and their uses as well as their contraindications. I enjoyed working with Kaitlyn on this assignment. She was very helpful and I'm grateful for that.

Kaitlyn- I enjoyed this project. Chiquita and I split this assignment up and worked well together. It was interesting to see the prices for the medications. I was surprised to see how many contraindications were abnormal heart rhythms. I am glad that we did this project towards the end of the semester, so I had some knowledge of drugs and their classes, which made this assignment more manageable.

References

Drugs.com. (2023, February 12). Drugs.com - Prescription Drug Information. Retrieved February 17, 2023, from https://www.drugs.com/.

GoodRx. (2023). GoodRx: Prescription Prices, Coupons & Pharmacy Information. Retrieved February 17, 2023, from https://www.goodrx.com/.

Jones & Bartlett Learning. (2021). *2022 Nurse's Drug Handbook* (Jones & Bartlett Learning, Ed.). Jones & Bartlett Learning.

WebMD. “Drug Interaction Checker – Check for Interactions between Prescription Medications.” *WebMD*, 2019, www.webmd.com/interaction-checker/default.htm.

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: ● 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: ● Is there any type of medication on the patient list that have specific directions? (before bed, before breakfast, 30 minutes before meals, etc..)	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 if 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**

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? ● Do any of the medications interact with each other? (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)	All medications reviewed and student explained medication interactions.	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)	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)	___/20

Criteria	Excellent 5 points	Acceptable 4 points	Unacceptable 0 -3 points	Points Earned

Lifestyle interactions: ● 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**
● 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**

• 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**
What would you teach the client about taking this medication? • What education is needed for the 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	Student showed the importance of medication education, and appropriate prioritized client education for the scenario provided.	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)	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)	___/20

interactions with other medication this may be a priority over general education for this one medication)				
Criteria	**Excellent 10 points**	**Acceptable 8-9 points**	**Unacceptable 0-7 points**	**Points Earned**
Is there anything about this medication regimen/ scenario that might indicate a potential difficulty in maintaining compliance with the orders as listed? ● Why would the patient have difficulty maintaining the medication regiment? (Please consider all factors in the scenario and all information provided within your chart – including cost, insurance, frequency of administration, etc)	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**
Is there anything about this medication regimen/ scenario that might assist the client in maintaining the medication regimen as ordered?	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	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	___/10

• What factors are present to remain compliant? (Please consider all factors in the scenario and all information provided within your chart – including cost, insurance, frequency of administration, etc.		question is worth one point for each medication)	compliance. (This question is worth one point for each medication)	
Criteria	**Excellent 15 points**	**Acceptable 8-9 points**	**Unacceptable 0 points**	**Points Earned**
• 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 appropriately format the paper and include all of the following:	The document included a title page, the rubric, the client scenario, a reference page which included five references that were	The document did not meet all of the criteria for formatting/ referencing. See	The document did not meet all of the criteria for formatting/ referencing. See "criteria" to the left for further breakdown.	___/20

• 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)	cited within the document. APA formatting was consistent with the APA manual.	"criteria" to the left for further breakdown.		
Criteria	**Excellent**	**Acceptable**	**Unacceptable**	**Points**

	20 points	16-19 points	0-15 points	Earned
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) Elaborate on this, explaining why you feel it should be addressed, why it is priority and provide evidence behind your presentation.	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**
• 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	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	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		-A reflection on this student nurses role in this scenario as a client advocate/educator/caregiver		
Total Points				**___/200**