

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 care giver. No one else lives with them. Caroline requires extensive assistance from her daughter in completing all her daily activities, 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 most 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 daily 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 Olanzapine

Donepezil 10 mg by mouth at HS Aricept

## POLYPHARMACY

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Colace 200 mg by mouth one time a day docusate sodium

Haloperidol 2 mg IM every 4 hour PRN

Atrovent HFA take 2 inhalations four times a day ipratropium bromide

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

Namenda 5 mg by mouth twice a day memantine hydrochloride

Ibuprofen 400 mg by mouth every 6 hours PRN

Lipitor 30 mg by mouth once daily atorvastatin calcium

Miralax 17 gm mixed in 8 ounces of juice or water by mouth once a day polyethylene glycol 3350

<b>Drug #1</b>	Drug Name (Generic): Zyprexa  Drug Name (Trade): Olanzapine  Drug Class: <ul style="list-style-type: none"><li>● Pharmacological class: Thienobenzodiazepine derivative (Jones, 2021).</li><li>● Therapeutic class: Antipsychotic ( Jones, 2021).</li></ul>
<b>How is the medication taken: (include dose, route,</b>	Dose: 7.5 mg

<b>and frequency)</b>	Route: PO (oral)  Frequency: Once a day
<b>Specific Directions not included above:</b>	P.O. 10 mg daily with lithium or valproate sodium, increased or decreased by 5 mg every 24 hr, as needed. Maintenance: 5 to 20 mg/day. Maximum: 20 mg daily (Jones,2021).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	This medication does not interact with other medications on this list.
<b>Lifestyle interactions:  (Daily tobacco use, alcohol, drugs, etc. )</b>	Alcohol use: Potentiated orthostatic hypotension (Jones,2021).  Smoking use: Decreased blood olanzapine level (Jones,2021).
<b>Does any of the client's past medical history contradict the use of this medication?</b>	The client's past medical history does not contraindicate this medication.
<b>What is the indication for use of this medication</b>	Potential indications for use: to treat schizophrenia, bipolar 1, and bipolar 1 manic or mixed

<p><b>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)</b></p>	<p>phase (Jones, 2021).</p>
<p><b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b></p>	<ol style="list-style-type: none"> <li>1. Advise the patient to avoid alcohol and smoking during olanzapine therapy (Jones, 2021).</li> <li>2. Instruct the patient to notify the provider of any persistent, severe, or worsening adverse reactions, including fever, rash, swollen glands, or change in body function (Jones, 2021).</li> </ol>
<p><b>How much would medication cost per month if paying out of pocket?</b></p>	<p>According to Zhang, (2008) Olanzapine costs \$153 per month out of pocket.</p>

<p><b>Drug #2</b></p>	<p>Drug Name (Generic): Aricept</p> <p>Drug Name (Trade): Donepezil</p> <p>Drug Class:</p>
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	<ul style="list-style-type: none"> <li>• Pharmacologic class: Acetylcholinesterase inhibitor (Jones,2021)</li> <li>• Therapeutic class: Antidementia</li> </ul>
<b>How is the medication taken: (include dose, route, and frequency)</b>	<p>Dose: 10 mg</p> <p>Route: PO (oral)</p> <p>Frequency: HS (before bed)</p>
<b>Specific Directions not included above:</b>	After 4 to 6 weeks increase the dosage to 10 mg at bedtime, as indicated. The maximum dose is 10 mg daily (Jones, 2021).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	This medication does not interact with any medication on this list.
<b>Lifestyle interactions:</b>  <b>(Daily tobacco use, alcohol, drugs, etc. )</b>	There are no lifestyle interactions with this medication.
<b>Does any of the client's past medical history contradict the use of this medication?</b>	The client's past medical history does not contraindicate the use of this medication.

<p><b>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)</b></p>	<p>The indication for use based on the client's past medical history is to treat moderate to severe Alzheimer's.</p>
<p><b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b></p>	<ol style="list-style-type: none"> <li>1. Instruct the client to avoid hazardous activities, such as driving, until CNS effects are known (Jones, 2021). Take safety precautions to prevent falling, such as dizziness, if any adverse effects are present, such as dizziness (Jones, 2021).</li> <li>2. Inform the client that the drug may be taken with or without food (Jones, 2021).</li> </ol>
<p><b>How much would medication cost per month if paying out of pocket?</b></p>	<p>According to Drugs.com (2022), donepezil oral tablets 10 mg is around \$14 for 30 tablets.</p>
<p><b>Drug #3</b></p>	<p><b>Drug Name (Generic):</b> docusate sodium</p> <p><b>Drug Name (Trade):</b> Colace</p> <p><b>Drug Class:</b></p> <ul style="list-style-type: none"> <li>• Pharmacological class: Surfactant (Jones, 2021).</li> </ul>

	<ul style="list-style-type: none"> <li>• Therapeutic class: Laxative, stool softener (Jones, 2021).</li> </ul>
<b>How is the medication taken: (include dose, route, and frequency)</b>	<p>Dose- 200mg</p> <p>Route- PO (oral)</p> <p>Frequency- daily</p>
<b>Specific Directions not included above:</b>	Take with a full 8oz or 240 milliliters of water or milk as directed and drink 6-8 glasses of water a day to help prevent constipation (Jones, 2021).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	There are no medication interactions to any medications on this list.
<b>Lifestyle interactions:  (Daily tobacco use, alcohol, drugs, etc. )</b>	There are no lifestyle interactions to this patient's lifestyle.
<b>Does any of the client's past medical history contradict the use of this medication?</b>	There are no contraindications to this patient's past medical history.

<p><b>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)</b></p>	<p>Indications for use as the first response to try and prevent constipation, including when the individual is straining to pass a bowel movement (Jones, 2021).</p>
<p><b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b></p>	<ol style="list-style-type: none"> <li>1. Ensure that you do not take mineral oil in conjunction with this medication as it can cause over absorption of the mineral oil and cause toxicity (Jones, 2021).</li> <li>2. Prolonged use of docusate sodium can cause laxative syndrome, which can cause constipation (Jones, 2021).</li> </ol>
<p><b>How much would medication cost per month if paying out of pocket?</b></p>	<p>Location: Walmart</p> <p>Retail: \$5.84 for 60 capsules, 100 mg ("Do you have a go-to pharmacy?," n.d.)</p>
<p><b>Drug #4</b></p>	<p>Drug Name (Generic): haloperidol</p> <p>Drug Name (Trade): Haldol</p> <p>Drug Class:</p>

	<ul style="list-style-type: none"> <li>• Pharmacological class: Butyrophenone derivative (Jones,2021)</li> <li>• Therapeutic class: Antipsychotic (Jones, 2021)</li> </ul>
<b>How is the medication taken: (include dose, route, and frequency)</b>	<p>Dose: 2 mg</p> <p>Route: IM (intramuscular)</p> <p>Frequency: Every four hours PRN</p>
<b>Specific Directions not included above:</b>	Dosage adjustment for debilitated or elderly patients, initial dosage reduced to 0.5 to 2 mg twice daily or three times daily, as needed (Jones, 2021).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	This medication does not interact with any other medication on this list.
<b>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc. )</b>	Alcohol use increases CNS depression, risk of hypotension, and respiratory depression (Jones, 2021).
<b>Does any of the client's past medical history contradict the use of this medication?</b>	The client's past medical history does not contraindicate this medication.

<p><b>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)</b></p>	<p>Potential indication is to provide long-term antipsychotic therapy for patients with schizophrenia who require parenteral therapy (Jones, 2021).</p>
<p><b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b></p>	<ol style="list-style-type: none"> <li>1. Advise the patient to take the medication as prescribed and not stop abruptly because withdrawal symptoms may occur (Jones, 2021).</li> <li>2. Advise the patient to take the tablets with food or a full glass of milk or water to reduce GI upset (Jones, 2021).</li> </ol>
<p><b>How much would medication cost per month if paying out of pocket?</b></p>	<p>According to Drugs.com (2022), Haloperidol intramuscular solution 100mg/ml is around \$47 for a supply of 1 ml.</p>
<p><b>Drug # 5</b></p>	<p>Drug Name (Generic): ipratropium bromide</p> <p>Drug Name (Trade): Atrovent HFA</p> <p>Drug Class:</p> <ul style="list-style-type: none"> <li>● Pharmacological class: Anticholinergic</li> </ul>

	<ul style="list-style-type: none"> <li>• Therapeutic class: Bronchodilator</li> </ul>
<b>How is the medication taken: (include dose, route, and frequency)</b>	<p>Dose: 2 inhalations</p> <p>Route: PO (by mouth)</p> <p>Frequency: QID ( four times a day)</p>
<b>Specific Directions not included above:</b>	Rinse the mouth after each inhalation treatment to minimize throat dryness and irritation (Jones, 2021).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	This medication interacts with anticholinergic medications on this list.
<b>Lifestyle interactions:  (Daily tobacco use, alcohol, drugs, etc. )</b>	There are no lifestyle interactions with this medication.
<b>Does any of the client's past medical history contradict the use of this medication?</b>	The client's past medical history does not contraindicate the use of this medication.
<b>What is the indication for use of this medication</b>	The indication for use based on the client's past medical history is the treatment of chronic

<p><b>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)</b></p>	<p>obstructive pulmonary disorder (Jones, 2021).</p>
<p><b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b></p>	<ol style="list-style-type: none"> <li>1. Caution the patient is not to use ipratropium to treat acute bronchospasm (Jones, 2021).</li> <li>2. Teach the patient to shake the inhaler well at each use (Jones, 2021).</li> </ol>
<p><b>How much would medication cost per month if paying out of pocket?</b></p>	<p>According to Drugs.com (2022), the cost of Atrovent HFA inhalation aerosol is \$478 for a supply of 12.9 grams.</p>
<p><b>Drug # 6</b></p>	<p>Drug Name (Generic): albuterol sulfate</p> <p>Drug Name (Trade): Proair HFA</p> <p>Drug Class:</p> <ul style="list-style-type: none"> <li>● Pharmacological class: Adrenergic</li> </ul>

	<ul style="list-style-type: none"> <li>• Therapeutic class: Bronchodilator</li> </ul>
<b>How is the medication taken: (include dose, route, and frequency)</b>	<p>Dose: 2 inhalations</p> <p>Route: PO (by mouth)</p> <p>Frequency: Four times daily PRN</p>
<b>Specific Directions not included above:</b>	Two inhalations 15 to 30 min before exercise (Jones, 2021).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	This medication interacts with beta-blockers, bronchodilators, digoxin, and MAO inhibitors.
<b>Lifestyle interactions:</b>  <b>(Daily tobacco use, alcohol, drugs, etc. )</b>	There are no lifestyle interactions with this medication.
<b>Does any of the client's past medical history contradict the use of this medication?</b>	The client's past medical history does not contraindicate the use of this medication.
<b>What is the indication for use of this medication based on the client's past medical history? (If unable</b>	The indications for use for this medication are the treatment of bronchospasm in patients with reversible obstructive airway disease or the prevention of exercise-induced bronchospasm

<b>to determine an indication based on past medical history, please list potential indications for use of the medication in general)</b>	(Jones, 2021).
<b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b>	<ol style="list-style-type: none"> <li>1. Teach the patient to shake the canister before using it and check that the new canister is working by spraying it the appropriate number of times (once to four times based on manufacturers instructions) into the air while looking for a fine mist (Jones, 2021).</li> <li>2. Instruct the patient to check with the provider before using other inhaled drugs (Jones, 2021).</li> </ol>
<b>How much would medication cost per month if paying out of pocket?</b>	According to Drugs.com, the cost of albuterol inhalation is around \$16 for a supply of 90 ml.
<b>Drug # 7</b>	<p>Drug Name (Generic): memantine hydrochloride</p> <p>Drug Name (Trade): Namenda</p> <p>Drug Class:</p> <ul style="list-style-type: none"> <li>• Pharmacological class: N-methyl-D-aspartate (NMDA) receptor antagonist</li> </ul>

	<ul style="list-style-type: none"> <li>• Therapeutic class: Antidementia agent</li> </ul>
<b>How is the medication taken: (include dose, route, and frequency)</b>	<p>Dose: 5 mg</p> <p>Route: PO (by mouth)</p> <p>Frequency: BID (twice a day)</p>
<b>Specific Directions not included above:</b>	The initial 5 mg daily, increased by 5 mg/wk, as needed, to 10 mg daily in two divided doses; then 15 mg daily with one 5-mg and one 10-mg dose daily; then 20 mg daily in two divided doses. Maintenance: 20 mg daily (Jones, 2021).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	This medication does not interact with any other medications on this list.
<b>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc. )</b>	No lifestyle interactions contraindicate this medication.
<b>Does any of the client's past medical history contradict the use of this medication?</b>	The client's past medical history does not contraindicate the use of this medication.

<p><b>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)</b></p>	<p>The indication for the use of this medication is for moderate-to-severe dementia of Alzheimers's type.</p>
<p><b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b></p>	<ol style="list-style-type: none"> <li>1. Instruct the client not to double dose if they miss a single dose but instead take the next dose as scheduled (Jones, 2021).</li> <li>2. Advise the patient to avoid a diet excessively high in fruits and vegetables because these foods contribute to alkaline urine, which can alter memantine clearance and increase adverse reactions (Jones, 2021).</li> </ol>
<p><b>How much would medication cost per month if paying out of pocket?</b></p>	<p>According to Drugs.com the cost for a memantine oral tablet of 10 mg is around \$32 for 50.</p>
<p><b>Drug # 8</b></p>	<p><b>Drug Name (Generic):</b> Ibuprofen</p> <p><b>Drug Name (Trade):</b> Advil</p> <p><b>Drug Class:</b></p>

	<p>Pharmacological class- NSAID</p> <p>Therapeutic class- analgesic, anti-inflammatory, antipyretic</p>
<b>How is the medication taken: (include dose, route, and frequency)</b>	<p>Dose- 400mg</p> <p>route- PO (oral)</p> <p>frequency- every 6 hours or PRN</p>
<b>Specific Directions not included above:</b>	Do not chew the medication take whole to prevent GI upset (Jones, 2021).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	There are no medication interactions to any medications on this list.
<b>Lifestyle interactions:</b>  <b>(Daily tobacco use, alcohol, drugs, etc. )</b>	Clients daily alcohol use ( Jones, 2021).
<b>Does any of the client's past medical history contradict the use of this medication?</b>	The client's history of renal insufficiency is a contradiction to taking this medication ( Jones, 2021).
<b>What is the indication for use of this medication</b>	To relieve pain in rheumatoid arthritis and osteoarthritis as well as pain relief and antipyretic

<p><b>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)</b></p>	<p>properties (Jones, 2021).</p>
<p><b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b></p>	<ol style="list-style-type: none"> <li>1. This medication puts the client at an increased risk for renal insufficiency which the client already has ( Jones, 2021).</li> <li>2. This medication puts the client at a high risk of bleeding and GI bleeds due to the medication being an NSAID ( Jones, 2021).</li> </ol>
<p><b>How much would medication cost per month if paying out of pocket?</b></p>	<p>Walmart - \$7.98 500 count bottle at 200mg per pill</p>
<p><b>Drug # 9</b></p>	<p><b>Drug Name (Generic): Atorvastain</b></p> <p><b>Drug Name (Trade): Lipator</b></p> <p><b>Drug Class:</b></p> <p>Pharmacological class- HMG- CoA reductase inhibitor</p>

	Therapeutic class- Antihyperlipidemic
<b>How is the medication taken: (include dose, route, and frequency)</b>	dose- 30 mg route- PO (oral) frequency- daily (once per day)
<b>Specific Directions not included above:</b>	Do not drink grapefruit juice when taking this medication as it increases the drug levels in the blood (Jones, 2021).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	No, this medication does not interact with any other medications on this list.
<b>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc. )</b>	The alcohol use of the patient is a contraindication for the use of this medication, this medication increases the risk of liver dysfunction (Jones, 2021).
<b>Does any of the client's past medical history contradict the use of this medication?</b>	No, this client does not have past medical history that contradicts the medication (Jones, 2021).
<b>What is the indication for use of this medication</b>	This medication is used to control lipid levels as an adjunct to diet in primary

<p><b>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)</b></p>	<p>hypercholesterolemia and mixed dyslipidemia (Jones, 2021).</p>
<p><b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b></p>	<ol style="list-style-type: none"> <li>1. This medication will not fully replace a low cholesterol diet and should not be treated as such (Jones, 2021).</li> <li>2. To consult the doctor before taking over the counter niacin as it increases the risk of rhabdomyolysis (Jones, 2021).</li> </ol>
<p><b>How much would medication cost per month if paying out of pocket?</b></p>	<p>Good Rx \$3.64 for 30 pills at 40mg each</p>
<p><b>Drug # 10</b></p>	<p><b>Drug Name (Generic): Polyethylene glycol 350</b></p> <p><b>Drug Name (Trade): miralax</b></p> <p><b>Drug Class: osmotic laxative</b></p>
<p><b>How is the medication taken: (include dose, route, and frequency)</b></p>	<p>17 grams mixed in 8 ounces of water PO (oral) once daily</p>

<b>Specific Directions not included above:</b>	Ensure to stay properly hydrated as this laxative works by pulling more water into the bowels from the body (Jones, 2021).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	This medication does not have any known interactions with other medications, however you should not take other medications at the same time as this one as it inhibits the absorption of other medications in the GI tract ( Jones, 2021).
<b>Lifestyle interactions:</b>  <b>(Daily tobacco use, alcohol, drugs, etc. )</b>	There are no lifestyle interactions that affect this medication.
<b>Does any of the client’s past medical history contradict the use of this medication?</b>	There is no past medical history that contradicts this medication's use.
<b>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)</b>	This medication is a short term treatment for constipation and a long-term treatment for chronic constipation (Jones, 2021).
<b>What would you teach the client about taking this</b>	1. To ensure to stay hydrated as the client will be making more frequent bowel

<b>medication? You must prioritize 2 (see rubric)</b>	<p>movements thus can become dehydrated (Jones, 2021).</p> <p>2. To discontinue use if the client has severe diarrhea that persists more than 3 days and to consult with a provider (Jones, 2021).</p>
<b>How much would medication cost per month if paying out of pocket?</b>	<p>Walmart</p> <p>\$43.12</p> <p>for 30 packages of the 17 g</p>

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

There are several medications on this list that are contradicted by the clients alcohol consumption and put the client at further risk for renal impairment as well as hepatic impairment.

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

The haloperidol administration will keep the clients anxiety and frustration down which will make the medication regime easier due to less stress on the client.

**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)**

I would let the provider know about the alcohol consumption and how it interacts with several of the medications such as Lipator, ibuprofen and Zyprexa. The albuterol sulfate interactions with the other bronchodilators the client is on are contradictions.

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

The total out of pocket cost for the month with no insurance for this medication would be \$800.58

**Reflective Statement of Experience:**

This project really makes you think about the amounts of medications that clients stay on and that they do not know the medications that interact. The project revealed that medication administration is dependent upon many variables such interactions, contraindications, lifestyle interactions and if the patient can maintain medication regimens that ordered. This project has also revealed that more attention is need before administering any medications because of all variables. Nurses should advocate for their clients if any of the variables are present in a patient medication regimen.

### References

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### N322 Polypharmacy Grading Rubric

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

before meals, etc..)				
Criteria	Excellent 0 points	Acceptable 16-19	Unacceptable 0-15 points	Points Earned
<p>Does this medication have any potentially serious interactions with any other medication(s) on this list, and/or potential interactions that should be closely monitored due to co-administration?</p> <ul style="list-style-type: none"> <li>● Do any of the medications interact with each other?</li> </ul> <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"> <li>● What lifestyle factors counteract with the medications?</li> </ul> (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"> <li>Does any of the client's past medical history contradict the use of this medication?</li> </ul>	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
<b>Criteria</b>	<b>Excellent</b> <b>10 points</b>	<b>Acceptable</b> <b>8-9 points</b>	<b>Unacceptable</b> <b>0-7 points</b>	<b>Points Earned</b>
<ul style="list-style-type: none"> <li>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)</li> </ul>	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
<b>Criteria</b>	<b>Excellent</b> <b>20 points</b>	<b>Acceptable</b> <b>16-19 points</b>	<b>Unacceptable</b> <b>0-15 points</b>	<b>Points Earned</b>
What would you teach the client about taking this medication?	Student showed the importance of medication education, and appropriate prioritized client	The student provided some appropriate education for the client, but failed to	Student failed to answer the question OR The student provided some appropriate	___/20

<ul style="list-style-type: none"> <li>● What education is needed for the medication? (For each medication listed the student must prioritize two topics for client education)</li> </ul> <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 education for this one medication)</p>	<p>education for the scenario provided.</p>	<p>capture all of the appropriately prioritized education for the client. (Each topic of education is worth one point)</p>	<p>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><b>Criteria</b></p>	<p><b>Excellent</b> <b>10 points</b></p>	<p><b>Acceptable</b> <b>8-9 points</b></p>	<p><b>Unacceptable</b> <b>0-7 points</b></p>	<p><b>Points Earned</b></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"> <li>● Why would the patient have difficulty maintaining</li> </ul>	<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 medications (This question is worth one point for each</p>	<p>___/10</p>

<p>the medication regimen?  (Please consider all factors in the scenario and all information provided within your chart – including cost, insurance, frequency of administration, etc)</p>			medication)	
<p><b>Criteria</b></p>	<p><b>Excellent</b> <b>10 points</b></p>	<p><b>Acceptable</b> <b>8-9 points</b></p>	<p><b>Unacceptable</b> <b>0-7 points</b></p>	<p><b>Points Earned</b></p>
<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"> <li>● What factors are present to remain compliant?</li> </ul> <p>(Please consider all factors in the scenario and all information provided within your chart – including cost, insurance, frequency of administration, etc.</p>	<p>Student had knowledge on medication compliance</p>	<p>The student answered the question appropriately for some of the medications but failed to indicate all of the factors that are present that assist with compliance. (This question is worth one point for each medication)</p>	<p>Student failed to answer the question OR The student answered the question appropriately for some of the medications but failed to indicate all of the factors that are present that assist with compliance. (This question is worth one point for each medication)</p>	<p>___/10</p>
<p><b>Criteria</b></p>	<p><b>Excellent</b></p>	<p><b>Acceptable</b></p>	<p><b>Unacceptable</b></p>	<p><b>Points Earned</b></p>

	10 points	8-9 points	0 points	
<ul style="list-style-type: none"> <li>● 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)</li> <li>● What would the client's monthly out of pocket expense for all 10 medications?</li> </ul>	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
<p>The student must appropriately format the paper and include all of the following:</p> <ul style="list-style-type: none"> <li>● Entire document must include appropriate citations, reference page, title page, page numbers, running head, all with appropriate formatting per APA</li> </ul>	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.	The document did not meet all of the criteria for formatting/ referencing. See "criteria" to the left for further breakdown.	The document did not meet all of the criteria for formatting/ referencing. See "criteria" to the left for further breakdown.	___/20

<p>(10 points – each missing or inaccurate portion per APA is worth one point)</p> <ul style="list-style-type: none"> <li>● The student provided a rubric attached for grading (3 points)</li> <li>● The student included the provided client scenario on page two of the document (2 points)</li> <li>● The paper included a minimum of five references which were cited within the document (each reference with one citation is worth 5 points)</li> </ul>				
<p><b>Criteria</b></p>	<p><b>Excellent</b> <b>20 points</b></p>	<p><b>Acceptable</b> <b>16-19 points</b></p>	<p><b>Unacceptable</b> <b>0-15 points</b></p>	<p><b>Points Earned</b></p>
<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</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</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>

<p>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>question/suggestion/issue within the scenario that should have been addressed.</p>		
<p><b>Criteria</b></p>	<p><b>Excellent 10 points</b></p>	<p><b>Acceptable 8-9 points</b></p>	<p><b>Unacceptable 0-7 points</b></p>	<p><b>Points Earned</b></p>
<ul style="list-style-type: none"> <li>● Reflective statement of experience should include the following:                     <ul style="list-style-type: none"> <li>-insight into the project itself (a specific example within the project and its implications)</li> <li>-A basic understanding of polypharmacy</li> </ul> </li> </ul>	<p>The students provided reflection showed good insight into the project itself, polypharmacy, and the nurses role in client advocacy</p>	<p>The student provided a reflection, however the reflection lacked one of the following</p> <ul style="list-style-type: none"> <li>-insight into the project itself (a specific example within the project and its implications).</li> <li>-A basic understanding of polypharmacy</li> </ul>	<p>Student failed to reflect on their project OR the student addressed only of the topics of reflection</p>	<p>___/10</p>

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