

Polypharmacy Project

Chelsea Blaase, BSN Student

Taylor Brooks, BSN Student

Noredia Asia, BSN Student

N322 Introduction to Pharmacology

Lakeview College of Nursing

Gina Brassard MSN, RN, RAC-CT, DNS-CT, Restorative Nurse

Date Due: April 4th 2022

Patient: Jerry is an 88 year old male who lives with his spouse Clara in an independent living facility. They have two children that live nearby and assist them as needed. Jerry's dementia has been progressing recently. He frequently forgets what medication he has taken, and his children want him admitted to a long-term care: as the assisted living facility he lives in does not provide medication administration services. Jerry refuses to move to an assisted living facility – and has not been deemed incapable of making his own decisions, thus he will remain in assisted living.

Social history: Both he and his wife have Medicare and social security.

Medical history: Dementia, hypertension, chronic kidney disease, hyperlipidemia, chronic anemia, rheumatoid arthritis

Allergies: Lisinopril, Sulfa, latex Wt 250 pounds Ht 6ft 4in

Medications:

Rivastigmine 6 mg by mouth twice daily (CB)

Enalapril 10mg PO BID (TB)

Fenofibrate 145mg PO Daily (CB)

Oxycodone 2.5mg Q6H PRN (TB)

Miralax packet 17 G mixed with juice/water every morning

Prednisone 10mg PO every day (TB)

Alprazolam 0.5 mg po TID PRN (CB)

Aranesp 0.45mcg/kg SUBQ every 4 weeks

POLYPHARMACY

Ferrous Sulfate 325mg PO Daily (CB)

Paroxetine 20mg PO Daily

Drug #1	Drug Name (Generic): Rivastigmine
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	Drug Name (Trade): Exelon Drug Class: Therapeutic: Antidementia Pharmacologic: Cholinesterase inhibitor
How is the medication taken: (include dose, route, and frequency)	6mg by mouth twice daily
Specific Directions not included above:	Take with morning and evening meals. Supervision for patient's use of rivastigmine. Do not stop taking rivastigmine abruptly because it can cause worsening behavior and cognitive functioning will decrease.
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	No interactions
Lifestyle interactions:	Supervision by a relative or care provider when taking medication due to forgetting to

(Daily tobacco use, alcohol, drugs, etc.)	take medication.
Does any of the client's past medical history contradict the use of this medication?	Rivastigmine may cause bladder or urinary tract obstruction. The patient has a history of chronic kidney disease and should be monitored for adequate urine output.
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)	Used to treat mild, moderate, and severe Alzheimer's type dementia
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. Do not stop abruptly 2. Take with food
How much would medication cost per month if paying out of pocket?	\$69.30

Drug #2	Drug Name (Generic): Enalapril
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	<p>Drug Name (Trade): Epaned, Vasotec</p> <p>Drug Class: Pharmacology class: Angiotensin converting enzyme (ACE) inhibitor Therapeutic class: Antihypertensive, vasodilator</p>
<p>How is the medication taken: (include dose, route, and frequency)</p>	<p>10 mg PO BID</p>
<p>Specific Directions not included above:</p>	<p>Fainting and lightheadedness may occur, especially during the first few days of therapy, Change positions slowly and avoid hazardous activities until the drugs CNS effects are known.</p> <p>Diarrhea, excessive sweating, vomiting and other conditions may cause dehydration</p> <p>Stop taking the drug immediately and seek emergency care if swelling of extremities, face, lips, throat or tongue occurs.</p>
<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>Oxycodone interaction can cause an additive effect in lowering blood pressure resulting in respiratory distress, coma, or death.</p>

<p>Lifestyle interactions:</p> <p>(Daily tobacco use, alcohol, drugs, etc.)</p>	<p>There are no lifestyle interactions with this medication.</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>Enalapril may cause confusion, the patient has dementia. The patient should be monitored for increasing confusion. Enalapril can cause renal failure, the patient has chronic kidney disease. The patient should be monitored for adequate urine output</p>
<p>What is the indication for use of this medication based on the client's past medical history?</p> <p>(If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</p>	<p>Used to treat hypertension</p>
<p>What would you teach the client about taking this</p>	<p>1. Take drug at the same time each day</p>

<p>medication? You must prioritize 2 (see rubric)</p>	<p>2. Do not take while taking oxycodone.</p>
<p>How much would medication cost per month if paying out of pocket?</p>	<p>\$11.40 (Covered by Medicare)</p>
<p>Drug #3</p>	<p>Drug Name (Generic): Fenofibrate</p> <p>Drug Name (Trade): Lofibra</p> <p>Drug Class: Pharmacologic: Fibrate</p> <p>Therapeutic: Antilipemic</p>
<p>How is the medication taken: (include dose, route, and frequency)</p>	<p>145mg by mouth (PO) once daily</p>
<p>Specific Directions not included above:</p>	<p>Take with food to increase absorption</p> <p>Instruct patient they will need lab tests to determine if the drug prescribed is effective.</p>

	Photosensitivity can develop with this drug and patients should be taught sun avoidance techniques.	
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.)	No	
Does any of the client's past medical history contradict the use of this medication?	Kidney disease is considered contradictive to fenofibrate because of an adverse effect to the drug is renal failure.	
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	To treat mixed hyperlipidemia and in combination with diet and exercise to treat severe hypertriglyceridemia.	

<p>medical history, please list potential indications for use of the medication in general)</p>	
<p>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</p>	<p>1. Inform the client to seek medical assistance if they are experiencing red, pain, swollen limbs, and shortness of breath because it could be a sign of a pulmonary embolism.</p> <p>2. Instruct the client that they will need to get lab tests done after three months to determine how the drug is working.</p>
<p>How much would medication cost per month if paying out of pocket?</p>	<p>\$16.92 (covered by medicare)</p>
<p>Drug #4</p>	<p>Drug Name (Generic): Oxycodone</p> <p>Drug Name (Trade): Roxicodone</p> <p>Drug Class: Pharmacologic: Opioid, Therapeutic: Opioid analgesic Controlled substance schedule II</p>
<p>How is the medication taken: (include dose, route, and</p>	<p>2.5 mg PO q6h PRN</p>

frequency)	
Specific Directions not included above:	<p>Do not take oxycodone more often than prescribed</p> <p>Abuse of crushed controlled-release tablets pose a hazard of overdose and death</p> <p>Take one tablet at a time</p> <p>Notify provider about signs of possible toxicity for hypersensitivities, such as lightheadedness, extreme dizziness, itching, swelling, and trouble breathing</p>
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	<p>Alprazolam interaction can cause respiratory distress, coma, or even death.</p> <p>Enalapril interaction can have an additive effect causing hypotension.</p> <p>Paroxetine interaction can increase the risk of serotonin syndrome.</p>
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	<p>This drug does not interact with the lifestyle with this patient</p>
Does any of the client's past medical history contradict the	<p>This medication can cause nervousness and that may make the patient's dementia symptoms worsen by</p>

use of this medication?	making him nervous. This drug also affects kidney disease, and urinary problems.
<p>What is the indication for use of this medication based on the client's past medical history?</p> <p>(If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</p>	Relieve pain from Rheumatoid arthritis
<p>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</p>	<p>1. Do not take oxycodone with alprazolam, enalapril, or paroxetine. Inform the client to communicate with their provider on alternative pain relief medication.</p> <p>2. Do not consume alcohol</p>
<p>How much would medication cost per month if paying out of pocket?</p>	\$14.64 (Covered by Medicare)

Drug # 5	Drug Name (Generic): Alprazolam Drug Name (Trade): Xanax Drug Class: Pharmacological: benzodiazepine Therapeutic: Anxiolytic, antipanic Controlled substance schedule IV
How is the medication taken: (include dose, route, and frequency)	0.5mg orally three times a day PRN
Specific Directions not included above:	disintegrating tablet should be placed on top of the tongue
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Interacts with oxycodone, which causes CNS depression, respiratory distress, coma, and death. These drug interactions can cause dizziness, drowsiness, difficulty concentrating, and impaired judgment. Interacts with paroxetine by increasing effects of dizziness, drowsiness, confusion, and difficulty concentrating.

	Interacts with enalapril causing an additive effect in lowering blood pressure. The patient may experience headaches, dizziness, lightheadedness, fainting, and changes in heart rate.
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Do not take with alcohol because it can cause increased adverse CNS effects that can occur with alprazolam such as agitation, confusion, headache, or weakness. Opioid use can cause significant sedation and somnolence.
Does any of the client's past medical history contradict the use of this medication?	Dementia
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	To control anxiety disorders, relieve anxiety associated with depression.

the medication in general)	
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. Warn the client not to take alprazolam with alcohol or opioids. 2. Do not stop taking alprazolam abruptly because withdrawal symptoms may occur.
How much would medication cost per month if paying out of pocket?	\$6.89 (Covered by medicare with a \$3 deductible)
Drug # 6	<p>Drug Name (Generic): Prednisone</p> <p>Drug Name (Trade): Prednisone Intensol</p> <p>Drug Class: Pharmacologic: Glucocorticoid, Therapeutic: Immunosuppressant</p>
How is the medication taken: (include dose, route, and frequency)	10 mg PO every day

<p>Specific Directions not included above:</p>	<p>Take the drug exactly prescribed</p> <p>Urge patient to carry medical identification revealing prednisone therapy</p>
<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>Enalapril effects can be reduced in lowering blood pressure</p> <p>Miralax interaction may cause dehydration and hypokalemia.</p>
<p>Lifestyle interactions:(Daily tobacco use, alcohol, drugs, etc.)</p>	<p>This medication does not affect lifestyle interactions with this patient.</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>This medication can cause nervousness and restlessness which may make the patient's dementia symptoms worse. This can also cause avascular necrosis of joints and this could potentially affect the patient's Rheumatoid Arthritis.</p>
<p>What is the indication for use of this medication based on the client's past medical history? (If unable to determine an</p>	<p>To treat chronic inflammatory and immunosuppressive disorders such as Rheumatoid Arthritis</p>

<p>indication based on past medical history, please list potential indications for use of the medication in general)</p>	
<p>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</p>	<p>1. Do not take prednisone with laxative because of the risk of hypokalemia and dehydration. Do not take prednisone with enalapril because it will hinder its blood pressure lowering effects.</p> <p>2. Do not stop abruptly</p>
<p>How much would medication cost per month if paying out of pocket?</p>	<p>\$2.00 (Covered by Medicare)</p>
<p>Drug # 7</p>	<p>Drug Name (Generic): Ferrous Sulfate</p> <p>Drug Name (Trade): Feosol</p> <p>Drug Class:</p> <p>Pharmacologic: hematinic</p>

	Therapeutic: antianemic, nutritional supplement
How is the medication taken: (include dose, route, and frequency)	325mg orally once a day
Specific Directions not included above:	Instruct the patient to take iron with vitamin C to help with the absorption of iron. Do not consume products that will reduce the absorption of iron (calcium, vitamin D, fiber) one hour before or two hours after ferrous sulfate administration. Do not take antacids with or close to the administration of ferrous sulfate.
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	No drug interactions
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Do not consume alcohol while taking ferrous sulfate. Consumption of alcohol will increase serum iron levels and the risk for iron toxicity.

<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>No medical history contradicts ferrous sulfate medication.</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>To treat iron deficiency and anemia in patients</p>
<p>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</p>	<ol style="list-style-type: none"> 1. Avoid foods that impair iron absorption such as dairy (vitamin D), high fiber, eggs, and spinach. 2. educate the patient that stools will turn a dark green or black while taking ferrous sulfate
<p>How much would medication</p>	<p>\$3.81</p>

cost per month if paying out of pocket?	
Drug # 8	<p>Drug Name (Generic): Polyethylene Glycol 3350</p> <p>Drug Name (Trade):</p> <p>Pharmacologic: MiraLAX</p> <p>Drug Class: Osmotic Laxatives</p>
How is the medication taken: (include dose, route, and frequency)	packet 17 G mixed with juice/water once daily in the morning and orally ingested
Specific Directions not included above:	<p>Mix the MirLAX packet with juice or water before ingesting. Follow the dosage information on the product label carefully. Take MiraLax at the first signs of constipation for up to seven days. Do not use it for more than one week without advice from your doctor or health care professional. If your constipation returns, check with your healthcare provider. Drink plenty of water while taking this medicine. Drinking water helps decrease constipation. Stop using this medicine and contact your health care provider if you experience any rectal bleeding or do not have a bowel movement after use.</p>

Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Prednisone
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Avoid alcohol
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	To treat occasional constipation

<p>potential indications for use of the medication in general)</p>	
<p>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</p>	<ol style="list-style-type: none"> 1. Take Miralax powder by mixing it with a full 8 oz. of water mixed with one oz. of fruit juice, as this will help contain the unpleasant nauseating sensation of the laxative. Inform the client to only take the medication once a day for no more than seven days. 2. Inform the client that taking prednisone with MiraLax can cause severe dehydration and hypokalemia. The client should refrain from taking Miralax or any other laxative while taking Prednisone.
<p>How much would medication cost per month if paying out of pocket?</p>	<p>\$12 (Covered by Medicare)</p>
<p>Drug # 9</p>	<p>Drug Name (Generic): Darbepoetin Alfa</p> <p>Drug Name (Trade): Aranesp</p> <p>Drug Class:</p> <p>Pharmacologic: Recombinant human erythropoietin</p>

	Therapeutic class: Antianemic
How is the medication taken: (include dose, route, and frequency)	0.45mcg/kg SUBQ every 4 weeks
Specific Directions not included above:	Expect to correct folic acid or vitamin B12 deficiencies. Expect to obtain serum ferritin level and transferrin saturation. Don't shake the vial during preparation. Don't dilute the drug before giving it. Monitor closely for hypertension and hemoglobin levels weekly.
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	None
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Avoid alcohol The client should incorporate more iron-rich foods into their diet. The client's diet could be insufficient for obtaining essential vitamins and nutrients.
Does any of the client's past	The client has a history of hypertension and if it is uncontrolled darbepoetin alfa is considered a

<p>medical history contradict the use of this medication?</p>	<p>contraindication.</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>Patient's chronic anemia</p>
<p>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</p>	<ol style="list-style-type: none"> 1. Instruct patient how to administer a subcutaneous injection, rotate sites, and properly dispose of needles, syringes, or unused portions of single-dose vials. 2. Advise the patient that the risk of seizures is highest during the first 90 days of therapy; discourage from hazardous activities
<p>How much would medication cost per month if paying out of</p>	<p>\$49 (Covered with Medicare)</p>

pocket?	
Drug # 10	<p>Drug Name (Generic): Paroxetine</p> <p>Drug Name (Trade): Paxil</p> <p>Drug Class:</p> <p>Pharmacologic: SSRI</p> <p>Therapeutic Class: Antianxiety, antidepressant</p>
How is the medication taken: (include dose, route, and frequency)	20mg PO (orally) Daily
Specific Directions not included above:	Shake the oral suspension well. Don't give enteric-coated form with antacids. Watch for akathisia and psychomotor agitation. Watch for mania. Monitor the patient closely for evidence of GI bleeding.
Does this medication interact with any other medication(s) on this list? (see rubric for further	Oxycodone interacts with paroxetine by causing serotonin syndrome. serotonin syndrome is associated, but limited, to symptoms of confusion, hallucinations, seizure, and major blood pressure fluctuations.

instruction)	
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Do not drink alcohol will taking paroxetine because it can result in psychomotor alterations. Paroxetine should not be stopped abruptly and with dementia, the client should be observed when taking the medication.
Does any of the client's past medical history contradict the use of this medication?	The client has a history of dementia which can cause an exacerbation of dementia symptoms. The patient does not have a history of anxiety.
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)	To treat major depression, OCD, panic disorder, and PTSD

<p>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</p>	<ol style="list-style-type: none"> 1. Warn the client to not take oxycodone with paroxetine. 2. Do not stop the drug abruptly but taper dosage as instructed
<p>How much would medication cost per month if paying out of pocket?</p>	<p>\$20.25 (covered by Medicare)</p>

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

The difficulty in maintaining compliance for the medications listed, is the issue with Jerry forgetting if he took his medication. The assisted living facility he currently resides does not provide medication administration, putting responsibility solely on the client who

has dementia. Another difficulty is the fact Jerry has not been deemed incapable of making his own decisions, and does not want to go to a long term care facility.

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

There is no good way to help the client maintain the medication regimen. His wife can help him by reminding her husband to take the medication or simply observing him taking the medication. Another way to help maintain compliance with the medication regimen would be to have one of the children visit each day to observe the client taking his medication or call him to confirm he took them. The best option for the patient would be the long-term facility because then he would be accurately receiving his 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)

The nurse would inform the prescriber that the medication paroxetine was prescribed to the client, but that it may be harmful to the client because of his dementia. Paroxetine is also used to treat anxiety, but the client does not have a history of anxiety on the medical

record. The medication of Alprazolam should also be brought to the prescriber's attention on why the client is taking this medication for treating anxiety. The nurse should ask the prescriber for clarification on the use of prednisone and determine if it is an appropriate medication. Another medication that negatively affects the client's dementia condition is prednisone and should be informed to the provider. The client has two medications for his anemia, the nurse should inform the prescriber and determine if one medication is adequate enough to help the client's anemia. The client should also be asked about their current diet and try to set up a consultation with a nutritionist to help resolve his anemia in a non-pharmacological route. The nurse should inquire about the client's use of Miralax and determine how often and for what reason it is being used. The client should be asked about their diet and exercise weekly routine and advised to incorporate a healthy lifestyle to hopefully not have to be reliant on antihypertensive medication. The nurse should also ask the prescriber for alternative pain relief medication to replace oxycodone because it does interact with a few medications that can have serious effects when interacted together.

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

If the client did not have his medication covered by medicare or the pharmacy he used did not accept medicare he would have to pay \$206.21~ \$210 out of pocket. However, the client does have medicare that covers most of his medications and he should only have to pay \$64.81.

Reflective Statement of Experience:

This exercise is impeccable in understanding the fundamental portions of polypharmacy and how medication reconciliation is essential to the wellness of patients. Polypharmacy can be defined as the use of multiple medications that occurs commonly amongst the older adult population. It highlights how one specific ailment of the patient could interact with other medications that are equally important. There was some difficulty in finding the correct price for Aranesp due to immediate images showing the cost of a whole carton and not monthly fills that showed an \$800 difference. The nurse's role in client advocacy is very important for the client to receive the best care possible. Nurses advocate for patients by ensuring their safety, educating patients, checking for errors, and giving patients a voice which is seen through this polypharmacy exercise. Understanding the interactions of medications with other medications and lifestyle habits gives the patient safety, and education prioritizes the proper and safe administration of these medications. It is also essential that clients are honest with their health care provider about their history and medications to avoid any serious complications.

References

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Pont, L. G., Fisher, M., & Williams, K. (2019). Appropriate use of laxatives in the older person. *Drugs & Aging*, 36(11), 999-1005.

N322 Polypharmacy Grading Rubric

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

<p>(before bed, before breakfast, 30 minutes before meals, etc..)</p>		<p>this question if worth one point)</p>	<p>worth one point)</p>	
<p>Criteria</p>	<p>Excellent 0 points</p>	<p>Acceptable 16-19</p>	<p>Unacceptable 0-15 points</p>	<p>Points Earned</p>
<p>Does this medication have any potentially serious interactions with any other medication(s) on this list, and/or potential interactions that should be closely monitored due to co-administration?</p> <ul style="list-style-type: none"> ● Do any of the medications interact with each other? <p>(Please note: if there is an interaction between two medication, you MUST list that interaction on BOTH medications to receive full credit. You may utilize the same verbiage/wording on each medication, we want to know you are thinking about it when considering each</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>

medication)				
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Criteria	Excellent 5 points	Acceptable 4 points		Unacceptable 0 -3 points	Points Earned
Lifestyle interactions: <ul style="list-style-type: none"> ● What lifestyle factors counteract with the medications? (tobacco user, ETOH use – 3 beers daily)	Student showed knowledge why lifestyle would counteract with medications	The student listed lifestyle interactions for some of the medications, but not all and/or the interactions listed were not priority or were incorrect. (For each medication, this question is worth half a point)	Student failed to answer question or the student listed lifestyle interactions for some of the medications, but not all and/or the interactions listed were not priority or were incorrect. (For each medication, this question is worth half a point)		___/5

Criteria	Excellent 10 points	Average 8-9	Unacceptable 0-7 points	Points Earned
<ul style="list-style-type: none"> Does any of the client's past medical history contradict the use of this medication? 	<p>Student showed knowledge why the client's past medical history would contradict the use of the medication(s).</p>	<p>Student provided answers to the question(s), but failed to answer all the questions and/or the answers provided were inaccurate. (For each medication this question is worth one point)</p>	<p>Student failed to answer question or Student provided answers to the question(s), but failed to answer all the questions and/or the answers provided were inaccurate. (For each medication this question is worth one point)</p>	<p>___/10</p>
Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0-7 points	Points Earned
<ul style="list-style-type: none"> What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on 	<p>Student showed knowledge of medications and what conditions corresponds with medications</p>	<p>The student provided appropriate indications for some of the medications, but failed to capture all of the appropriate indications for use. (For each medication this question is worth one</p>	<p>Student failed to answer the question or The student provided appropriate indications for some of the medications, but failed to capture all of the appropriate indications for use. (For each medication this</p>	<p>___/10</p>

<p>past medical history, please list potential indications for use of the medication in general)</p>		<p>point)</p>	<p>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 education for this one medication)</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>

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>	<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 medication)</p>	<p>___/10</p>
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>	<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</p>	<p>Student failed to answer the question OR The student answered the question appropriately for some of the medications but failed to indicate all of the factors that are present that assist with</p>	<p>___/10</p>

<ul style="list-style-type: none"> ● What factors are present to remain compliant? <p>(Please consider all factors in the scenario and all information provided within your chart – including cost, insurance, frequency of administration, etc.</p>		for each medication)	compliance. (This question is worth one point for each medication)	
<p>Criteria</p>	<p>Excellent 10 points</p>	<p>Acceptable 8-9 points</p>	<p>Unacceptable 0 points</p>	<p>Points Earned</p>
<ul style="list-style-type: none"> ● How much would this medication cost per month if the patient were to pay for them out of pocket? (best assessment based off of research) ● What would the client’s monthly out of pocket expense for all 10 medications? 	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)	<p>___/15</p>
<p>Criteria</p>	<p>Excellent 20 points</p>	<p>Acceptable 16-19 points</p>	<p>Unacceptable 0-15 points</p>	<p>Points Earned</p>

<p>The student must appropriately format the paper and include all of the following:</p> <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 	<p>The document included a title page, the rubric, the client scenario, a reference page which included five references that were cited within the document. APA formatting was consistent with the APA manual.</p>	<p>The document did not meet all of the criteria for formatting/ referencing. See “criteria” to the left for further breakdown.</p>	<p>The document did not meet all of the criteria for formatting/ referencing. See “criteria” to the left for further breakdown.</p>	<p>___/20</p>
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<p>were cited within the document (each reference with one citation is worth 5 points)</p>				
<p>Criteria</p>	<p>Excellent 20 points</p>	<p>Acceptable 16-19 points</p>	<p>Unacceptable 0-15 points</p>	<p>Points Earned</p>
<p>What suggestions might you make to the prescriber and/or client (or questions you might ask the prescriber) to help this client scenario? (think about decreasing the potential for interaction(s) through medication reduction, other potential medications, diet changes, lifestyle changes, etc)</p> <p>Elaborate on this, explaining why you feel it should be addressed, why it is priority and provide evidence behind your presentation.</p>	<p>The student was able to identify one potential idea or question to present to the prescriber or client. This question showed evidence of good critical thinking.</p>	<p>The student was able to identify one potential idea or question to present to the prescriber or client, however there was a much higher priority question/suggestion/issue within the scenario that should have been addressed.</p>	<p>The student failed to answer the question OR the student answered the question, however the students answer was dangerously inaccurate.</p>	<p>___/20</p>

Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0-7 points	Points Earned
<ul style="list-style-type: none"> ● Reflective statement of experience should include the following: -insight into the project itself (a specific example within the project and its implications) -A basic understanding of polypharmacy -A reflection on this student nurses role in this scenario as a client advocate/educator/caregiver 	<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"> -insight into the project itself (a specific example within the project and its implications). -A basic understanding of polypharmacy -A reflection on this student nurses role in this scenario as a client advocate/educator/caregiver 	<p>Student failed to reflect on their project OR the student addressed only of the topics of reflection</p>	<p>___/10</p>
<p>Total Points</p>				<p>___/200</p>