

Polypharmacy Project

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N322 Introduction to Pharmacology

Lakeview College of Nursing

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06/28/2021

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

Polypharmacy Case 2

Background: Amy is an 87-year-old female that lives in an assisted living facility. Part of the living arrangements in the facility is a pharmacy service that delivers their meds in pre-filled medication packages (accu-pacs) every week. These packages are labeled with the date and time of administration. (see example picture attached). Amy is expected to take her medications independently. She has no family nearby to assist her. She is followed by her primary care physician as well as an endocrinologist, whom she currently visits monthly as her diabetes is not well controlled. Amy does not have a driver's license, and is experiencing significant difficulty with her vision r/t diabetic retinopathy. Amy drinks approximately 3 glasses of wine a day. Amy does have a history of smoking cigarettes (26 pack years). She quit 10 years ago, and smoke 1 pack per day for 26 years). She denies illicit drug use.

Insurance: Amy has good health insurance that covers the cost of her prescription medications with little co-pay.

Allergies: Sulfa

Diet: Controlled carbohydrates

Medical diagnosis: Type II Diabetes, diabetic retinopathy, diabetic neuropathy, osteoporosis, depression

Current medications include the following:

Aspirin 81 mg by mouth two times a day (ALL)

Calcium 500 mg by mouth two times a day (Lindsey)

Celexa 40 mg by mouth daily (Tresne)

Docusate Sodium 100 mg by mouth two times a day (Tresne)

Glyburide 10 mg by mouth one time a day (Lindsey)

Levemir 15 units by subcutaneous injection daily at bedtime (Tresne)

Novolog per sliding scale by subcutaneous injection before meals and at bedtime (AC & HS) (Lindsey)

70-139 = 0 units

140-180= 2 units

181-240 = 3 units

241-300 = 4 units

301-350 = 6 units

351 - 400 = 8 units

Ranibizumab 0.5 mg via intravitreal injection (given at doctor's office) once a month (Lina)

Duloxetine 60 mg by mouth every day (Lina)

Ibuprofen 400 mg by mouth every six hours as needed (Lina)



Fritz, T. (2004). Accupac image. Retrieved May 12, 2020 from <http://www.modelhealthcare.com/>

Drug #1	Drug Name (Generic): aspirin Drug Name (Trade): Bayer Drug Class: Salicylate
How is the medication taken: (include dose, route, and frequency)	Taken: Oral (tablet) Dose: 81 mg Route: PO Frequency: BID
Specific Directions not included above:	Don't crush timed-release or controlled-release aspirin tablets unless directed. (Jon Bartlett, 2021, p.87).
Does this medication interact with any other medication(s)	Ibuprofen-it is a duplicative therapy since it is an NSAID and so is aspirin.

<p>on this list? (see rubric for further instruction)</p>	<p>Also, taking the two together reduces the cardioprotective and stroke preventive effect of aspirin (<i>Jones & Bartlett, 2021, p. 88</i>).</p> <p>This medication may increase risk of hyperglycemia when taken with Novolog. (<i>Physician's Desk Reference, 2021</i>).</p> <p>Duloxetine- it is a SSRI and would increase patient's risk for bleeding (<i>Jones & Bartlett, 2021, p. 88</i>)</p> <p>This medication can increase the risk of hypoglycemia when taken with DiaBeta. (<i>Physician's Desk Reference, 2021</i>).</p> <p>Can increase the excretion of salicylates in patients taking calcium. (<i>Physician's Desk Reference, 2021</i>).</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>One pack of cigarettes per day for the past 26 years. She drinks 3 glasses of wine per day.</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>No it does not.</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>Patient has Diabetic neuropathy and osteoporosis- both cause pain and inflammation</p>

<p>indication based on past medical history, please list potential indications for use of the medication in general)</p>	<p>and the osteoporosis causes swelling. Aspirin is the medication to treat these conditions.</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 with food or after meals because it may cause GI upsetness. (<i>Jones & Bartlett, 2021, p. 88</i>). 2. Don't take with alcohol-because it will increase the risk for ulcers. (<i>Jones & Bartlett, 2021, p. 88</i>).
<p>How much would medication cost per month if paying out of pocket?</p>	<p>81mg tablets/30 tablets= \$3.47/bottle (15 days); \$6.94 (30days/1 month) (Good Rx, 2021)</p>

<p>Drug #2</p>	<p>Drug Name (Generic): calcium Drug Name (Trade): Calsan Drug Class: Calcium replacement</p>
<p>How is the medication taken: (include dose, route, and frequency)</p>	<p>500 mg by mouth two times a day</p>
<p>Specific Directions not included above:</p>	<p>Take with meals. (<i>Physician's Desk Reference, 2021</i>).</p>
<p>Does this medication interact with any other medication(s) on this list? (see rubric for further information)</p>	<p>Aspirin can increase the urination of salicylates. Glyburide can increase hypoglycemia. (<i>Physician's Desk Reference, 2021</i>).</p>

instruction)	
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Due to the patient's alcohol consumption and cigarette smoking, there could be a potential interaction of decreased calcium absorption. (Jones & Bartlett, 2021, p.158)
Does any of the client's past medical history contradict the use of this medication?	Not that the drug book listed.
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)	I think that it may be to prevent bone loss since she has osteoporosis.
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. Urge the patient to chew tablets thoroughly before swallowing and to drink a glass of water afterward.(Jones & Bartlett, 2021, p.158). 2. Tell the patient to avoid excessive tobacco and alcohol use because these substances may decrease alcohol absorption.(Jones & Bartlett, 2021, p. 158).
How much would medication cost per month if paying out of pocket?	\$1.82 for 60 tablets (500mg) at CVS. (Good Rx, 2021).
Drug #3	Drug Name (Generic): citalopram

	Drug Name (Trade): Celexa Drug Class: Selective serotonin reuptake inhibitor/Antidepressant
How is the medication taken: (include dose, route, and frequency)	40 mg PO daily
Specific Directions not included above:	None noted.
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	This medication interacts with other antidepressants, fentanyl, lithium, escitalopram, fluoxetine, aspirin, NSAIDs, and metoprolol. (<i>Jones & Bartlett, 2021</i>).
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	The patient currently drinks wine. This medication does not have a particular interaction with alcohol, but it is best the patient refrains from drinking. It could possibly lead to drug overdose of Celexa (<i>Jones & Bartlett, 2021</i>).
Does any of the client's past medical history contradict the use of this medication?	The client's use of aspirin and duloxetine (antidepressant) will contradict 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	Indication for use of this drug is the diagnosis of depression. The history of present illness does not specify any other details.

medication in general)	
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<p>1. I would teach the patient this medication could take up to 4 weeks to see therapeutic effects.</p> <p>2. The patient should not abruptly stop this medication as it can lead to serious adverse effects.</p>
How much would medication cost per month if paying out of pocket?	Retail price for this medication for a 30 day supply ranges from \$4.00 to \$27.00 out of pocket.
Drug #4	<p>Drug Name (Generic): docusate sodium</p> <p>Drug Name (Trade): Colace</p> <p>Drug Class: Laxative/Stool Softener</p>
How is the medication taken: (include dose, route, and frequency)	100 mg by mouth two times a day
Specific Directions not included above:	None specified. Pt can take as prescribed.
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	This medication does not interact with any of the patient's medications, but she should inform her provider if she is taking mineral oil as it can increase the risk for toxicity.
Lifestyle interactions:	There are no lifestyle interactions for this medication, but it is always best for patients to maintain a healthy lifestyle.

(Daily tobacco use, alcohol, drugs, etc.)	refrain from drinking alcohol and smoking for best therapeutic effects.
Does any of the client's past medical history contradict the use of this medication?	This medication does not contradict any other medications on her list.
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 of this medication is for constipation. The scenario does not present problems for use of this drug. I can assume due to her older age, this medication would be used because of reduced physical activity and lack of dietary fiber intake.
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. I would advise this patient to take this medication with a full glass of milk. 2. I would also advise this patient to increase her fiber intake, exercise regularly, and drink 6 to 8 glasses of water daily to help prevent constipation (Jones & Bartlett, 2020).
How much would medication cost per month if paying out of pocket?	This medication price ranges from \$3.00 to \$5.00 for a 30 day supply.
Drug # 5	Drug Name (Generic): glyburide Drug Name (Trade): DiaBeta Drug Class: Antidiabetic

How is the medication taken: (include dose, route, and frequency)	10 mg by mouth one time a day
Specific Directions not included above:	Instruct the patient to take glyburide just before breakfast and caution them not to s the meal after taking the drug. (<i>Jones & Bartlett, 2021, p.523</i>).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	The patient has a sulfa allergy and this medication is contraindicated for patients wh have a hypersensitivity to sulfonylureas. (<i>Jones & Bartlett, 2021, p.522</i>). It can have interactions with aspirin and ibuprofen that can increase the risk of hypoglycemia. (<i>Physician's Desk Reference, 2021</i>).
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Alcohol can alter blood glucose control (usually hypoglycemia) and the patient drink glasses of wine each day. (<i>Jones & Bartlett, 2021, p. 522</i>).
Does any of the client's past medical history contradict the use of this medication?	The patient is at risk for hypoglycemia from this medication due to her age and shou be used with caution. (<i>Physician's Desk Reference, 2021</i>).
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	Used as an adjunct to control blood glucose level in type 2 diabetes. (<i>Jones & Bartlett 2021, p. 521</i>).

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. Urge the patient to avoid drinking alcohol, because it increases the risk of hypoglycemia. (<i>Jones & Bartlett, 2021, p. 523</i>). 2. Caution the patient to avoid skipping doses, discontinuing glyburide, or taking OTC drugs without first consulting prescriber. (<i>Jones & Bartlett, 2021, p. 523</i>).
How much would medication cost per month if paying out of pocket?	\$14.50 for 60 tablets (5mg) at CVS. (<i>Good Rx, 2021</i>).
Drug # 6	Drug Name (Generic): insulin detemir Drug Name (Trade): Levimir Drug Class: Insulin
How is the medication taken: (include dose, route, and frequency)	15 units by subcutaneous injection daily at bedtime
Specific Directions not included above:	No specific instructions were found. Patient is not on a sliding scale for this medication.

<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>This medication does not interact with other medications on her list. Because of her history, if she is ever prescribed a beta blocker or antibiotic, Levimir will interact with these classes of drugs.</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>There are no specific lifestyle interactions for this medication. It is always best for patients to refrain from drinking and smoking while taking medications to reduce risk of toxicity.</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>None of the patient's previous diagnoses contradict the use for this medication. The use of tobacco contraindicates the use of this medication because it is known to aggravate insulin resistance. (<i>Physician's Desk Reference, 2021</i>).</p>
<p>What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</p>	<p>The patient has a diagnosis of Type II Diabetes. This medication is used to lower her blood sugar levels.</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. Insulin pens should never be shared. Please use a new pen for each injection. 2. Subcutaneous injections can be made into the abdomen, upper buttocks, anterior a

	lateral aspects of the thigh, or the upper arms. (<i>Physician's Desk Reference, 2021</i>).
How much would medication cost per month if paying out of pocket?	Cost for this insulin is \$468.25, based on a 30 day supply (<i>Good Rx, 2021</i>).
Drug # 7	Drug Name (Generic): insulin aspart Drug Name (Trade): NovoLog Drug Class: Rapid acting insulin
How is the medication taken: (include dose, route, and frequency)	Per sliding scale by subcutaneous injection before meals and at bedtime. 70-139 = 0 units 140-180= 2 units 181-240 = 3 units 241-300 = 4 units 301-350 = 6 units 351 - 400 = 8 units
Specific Directions not included above:	Give 5-10 minutes before a meal. (<i>Jones & Bartlett, 2021, p.1154</i>).
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Aspirin may increase risk of hyperglycemia. (<i>Physician's Desk Reference, 2021</i>).
Lifestyle interactions:	Smoking tobacco can increase plasma glucose. (<i>Physician's Desk Reference, 2021</i>).

(Daily tobacco use, alcohol, drugs, etc.)	
Does any of the client's past medical history contradict the use of this medication?	The patient could make a dosing error due to vision impairment. (<i>Physician's Desk Reference, 2021</i>).
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 lower glucose in treatment of type 2 diabetes. (<i>Physician's Desk Reference, 2021</i>).
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. Be aware that 1 unit of rapid-acting insulin has the same glucose-lowering effect as 1 unit of short-acting insulin. (<i>Jones & Bartlett, 2021, p. 1154</i>). 2. Give 5-10 minutes before a meal. (<i>Jones & Bartlett, 2021, p. 1154</i>).
How much would medication cost per month if paying out of pocket?	\$571.11 for 5 cartridges of 3mL for Novolog and \$233.24 for 5 cartridges of 3mL of generic at CVS. (<i>Good Rx, 2021</i>).
Drug # 8	Drug Name (Generic): ranibizumab Drug Name (Trade): Lucentis (<i>RxList, 2021, p. 1</i>) Drug Class: Wet AMD treatment agents/ Anti-angiogenic ophthalmic agents (<i>RxList, 2021, p. 1</i>)

How is the medication taken: (include dose, route, and frequency)	0.5mg Intravitreal injection once a month
Specific Directions not included above:	Each carton is for single eye use only (<i>RxList</i>, 2021, p. 13)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	This medication does not interact with any other the other drugs (<i>RxList</i>, 2021, p. 17)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	No known interactions with light drinking. However, the patient should not consume heavy alcohol while taking this medication
Does any of the client's past medical history contradict the use of this medication?	There are no contradictions, according to her past medical history (PMH), for usage
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)	She has diabetic retinopathy and this medication is indicated for her (<i>RxList</i>, 2021, p. 17)
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. I would teach this client how to locate the recommended dosage on the bottle Since this medication is indicated for he diabetic retinopathy, it could be harmful

	<p>to her if she uses more than the recommended dosage.</p> <p>2. I would also teach her how it should be stored and handled. For example, the medication should be stored in the refrigerator at 36-46 degrees fahrenheit (<i>RxList</i>, 2021, p. 13) . However, it should not be frozen or freezed (<i>RxList</i>, 2021, p. 13) . It should be stored in the original carton, until it is ready to be used. It should also be kept away from direct light (<i>RxList</i>, 2021, p. 13).</p>
How much would medication cost per month if paying out of pocket?	\$1,162/injection once/month (WellRx, 2021, p. 1)
Drug # 9	<p>Drug Name (Generic): duloxetine</p> <p>Drug Name (Trade): Cymbalta (<i>Jones & Bartlett</i>, 2021, p. 335)</p> <p>Drug Class: Selective serotonin and norepinephrine reuptake inhibitor (SSRI) (<i>Jones & Bartlett</i>, 2021, p. 335)</p>
How is the medication taken: (include dose, route, and frequency)	60mg by mouth everyday
Specific Directions not included above:	Obtain baseline blood pressure before administering this medication (<i>Jones & Bartlett</i> , 2021, p. 356)

<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>Aspirin-Risk of Bleeding (<i>Jones & Bartlett, 2021, p. 335</i>)</p> <p>Ibuprofen-Risk for bleeding (<i>Jones & Bartlett, 2021, p. 557</i>)</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>Patients should not drink alcohol while taking this medication because the drug is metabolized by the liver (<i>Jones & Bartlett, 2021, p. 355</i>)</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>The patient's past medical history does not contradict the use of this 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>She does not have any indications as of now. However, having uncontrolled diabetes could be at risk for acute or chronic renal injury/disease. In which, this medication is indicated for renal disease/impairment (<i>Jones & Bartlett, 2021, p. 356</i>).</p>
<p>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</p>	<p>1. I would tell the patient not to chew, crush, or sprinkle this medication because this will alter the way the drug is absorbed (<i>Jones & Bartlett, 2021, p. 356</i>). This medication can cause GI upset so crushing or chewing the medication will cause</p>

	<p>it to absorb quicker than it should and can be harmful to the stomach.</p> <p>2. Also, I would tell the patient that this medication takes weeks for full effects to occur (<i>Jones & Bartlett, 2021, p. 356</i>). That said, she should keep taking the medication as directed even if she doesn't see immediate improvements.</p>
How much would medication cost per month if paying out of pocket?	\$13.26/ month for 30 capsules (<i>GoodRx, 2021, p. 1</i>)
Drug # 10	<p>Drug Name (Generic): ibuprofen</p> <p>Drug Name (Trade): Motrin (<i>Jones & Bartlett, p. 556</i>)</p> <p>Drug Class: NSAID, anti-inflammatory (<i>Jones & Bartlett, 2021, p. 556</i>)</p>
How is the medication taken: (include dose, route, and frequency)	400 mg PO every six hours, PRN
Specific Directions not included above:	Take with a full glass of water, and patient should not lie down for 15-30 minutes after taking medication to prevent esophageal irritation (<i>Jones & Bartlett, 2021, p. 559</i>)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	<p>Aspirin- "Possibly decreased cardioprotective and stroke-preventive effects of aspirin increased risk of bleeding and adverse GI effects" (<i>Jones & Bartlett, 2021, p. 557</i>).</p> <p>This medication may increase risk of hyperglycemia when taken with NovoLog. (<i>Jones & Bartlett, 2021</i>).</p>

Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Should not be taken while drinking alcohol, as it will increase risk of adverse GI effects. (Jones & Bartlett, 2021, p. 557).
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)	There are no indications for usage according to this patient's past medical history. Potential indications for use with this medication in general, active GI bleeding, coagulation defects, pain with coronary artery bypass graft (CABG) (Jones & Bartlett, 2021, p. 557)
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. Advise her to report flu-like symptoms, rash, signs of GI bleeding, swelling, vision changes, and weight gain (Jones & Bartlett, 2021, p. 559). 2. Advise patient to take this drug with food or after meals to reduce GI distress (Jones & Bartlett, 2021, p. 559).
How much would medication cost per month if paying out of pocket?	\$13.26/ month for 30 capsules (GoodRx, 2021, p. 1)

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

Amy has uncontrolled diabetes Type 2, drinks wine daily, and has visual difficulties related to diabetic retinopathy. It would be challenging for her to comply with the medication regime because if she continues to drink and take her medication, she will experience horrible side effects. There's a high probability Amy will continue to drink rather than refrain from it to increase the therapeutic effectiveness of her medications. Her vision will play a significant role in medication compliance because she's in an assisted living facility, which means there will be limited monitoring by the facility. She also does not have close family nearby to help her. These risk factors would be a dangerous combination for toxicity and can pose potential harm.

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

I don't believe Amy is in a good situation concerning medication compliance. She does not have the assistance she needs to help her maintain her regimen. One major factor is her lifestyle. The use of alcohol interacts with every medication she has prescribed. Her impaired vision impedes her ability to read the scripts. Again, the combination of these factors does not indicate a positive outcome for Amy.

What suggestions might you make to the prescriber and/or client (or questions you might ask the prescriber) to help this client scenario? (think about decreasing the potential for interaction(s) through medication reduction, other potential medications, diet changes, lifestyle changes, etc)

_____ This client is taking three medications that interact with each other: Aspirin, Ibuprofen, and Duloxetine. Identifying these interactions as a priority decreases the client's risk for bleeding. I would encourage the physician to reduce these medications to just one.

What would the patients monthly out of pocket expense for all 10 medications? (Total Cost for all 10 meds)? **\$2,301.14**

Reflective Statement of Experience:

We enjoyed working together, immensely. This project helped us learn to communicate and work together to effectively ensure that our client is taking the appropriate medications without any crossover interactions or doubling up. As the client's caregiver, it is our responsibility to provide proper client education, dosing times, frequency, etc. This caution could be the determining factor between reaching therapeutic effects or, the reverse, death. As our patient's advocate, it is equally our responsibility to ensure our patient's rights to medication, for example, the right patient, the right medications, the right interactions, the right route, etc. This carefulness ensures that the patient is safe from medication errors.

References

Jones & Barlett. (2021). *2021 Nurse's Drug Handbook* (20th ed.). Burlington, MA

Physician's Desk Reference. (2021). *insulin detemir rDNA origin*. <https://www.pdr.net/drug-summary/Levemir-insulin-detemir--rDNA-origin--455.3355>

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RxList. (2021, January 11). *Lucentis*. <https://www.rxlist.com/lucentis-drug.htm#indications>

WellRx. (2021). *Lucentis*. <https://www.wellrx.com/prescriptions/lucentis/61820/?freshSearch=true>

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, 	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	___/40

route, frequency)			inaccurate. (Each individual component for each medication is worth one point)	
Criteria	Excellent 10 points	Acceptable 8-10 points	Unacceptable 0 - 7 points	Points Earned
Specific Directions not included above: <ul style="list-style-type: none"> Is there any type of medication on the patient list that have specific directions? (before bed, before breakfast, 30 minutes before meals, etc..) 	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? <ul style="list-style-type: none"> Do any of the medications interact with each other? (Please note: if there is an interaction between two medication, you MUST list that	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	___/20

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)			listed this question is worth two points)	
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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
<ul style="list-style-type: none"> Does any of the client's past medical history contradict the use of this medication? 	Student showed knowledge why the client's past medical history would contradict the use of the medication(s).	Student provided answers to the question(s), but failed to answer all the questions and/or the answers provided were inaccurate. (For each medication this question is worth one point)	Student failed to answer question or Student provided answers to the question(s), but failed to answer all the questions and/or the answers provided were inaccurate. (For each medication this question is worth one point)	___/10
Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0-7 points	Points Earned
<ul style="list-style-type: none"> What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general) 	Student showed knowledge of medications and what conditions corresponds with medications	The student provided appropriate indications for some of the medications, but failed to capture all of the appropriate indications for use. (For each medication this question is worth one point)	Student failed to answer the question or The student provided appropriate indications for some of the medications, but failed to capture all of the appropriate indications for use. (For each medication this question is worth one point)	___/10
Criteria	Excellent 20 points	Acceptable 16-19 points	Unacceptable 0-15 points	Points Earned
<p>What would you teach the client about taking this medication?</p> <ul style="list-style-type: none"> What education is needed for the 	Student showed the importance of medication education, and 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	Student failed to answer the question OR The student provided some appropriate education for the client, but failed to capture all of the	___/20

<p>medication? (For each medication listed the student must prioritize two topics for client education)</p> <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 client. (Each topic of education is worth one point)</p>	<p>appropriately prioritized education for the client. (Each topic of education is worth one point)</p>	
<p>Criteria</p>	<p>Excellent 10 points</p>	<p>Acceptable 8-9 points</p>	<p>Unacceptable 0-7 points</p>	<p>Points Earned</p>
<p>Is there anything about this medication regimen/ scenario that might indicate a potential difficulty in maintaining compliance with the orders as listed?</p> <ul style="list-style-type: none"> Why would the patient have difficulty maintaining the medication regiment? <p>(Please consider all factors in the scenario and all information provided within your chart - including cost, insurance, frequency of</p>	<p>Student had knowledge on why a patient would have difficulty with medication regiment</p>	<p>The student indicated some potential reasons that the client may have difficulty, however the student failed to indicate a reason OR an appropriate reason for some of the medications (This question is worth one point for each medication)</p>	<p>Student failed to answer the question OR the student indicated some potential reasons that the client may have difficulty, however the student failed to indicate a reason OR an appropriate reason for some of the medications (This question is worth one point for each medication)</p>	<p>___/10</p>

administration, etc)				
Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0-7 points	Points Earned
<p>Is there anything about this medication regimen/ scenario that might assist the client in maintaining the medication regimen as ordered?</p> <ul style="list-style-type: none"> What factors are present to remain compliant? <p>(Please consider all factors in the scenario and all information provided within your chart – including cost, insurance, frequency of administration, etc.</p>	Student had knowledge on medication compliance	The student answered the question appropriately for some of the medications but failed to indicate all of the factors that are present that assist with compliance. (This question is worth one point for each medication)	Student failed to answer the question OR The student answered the question appropriately for some of the medications but failed to indicate all of the factors that are present that assist with compliance. (This question is worth one point for each medication)	___/10
Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0 points	Points Earned
<ul style="list-style-type: none"> How much would this medication cost per month if the patient were to pay for them out of pocket? (best assessment based off of research) What would the 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
<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 were cited within the document (each reference with one 	<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>

citation is worth 5 points)				
Criteria	Excellent 20 points	Acceptable 16-19 points	Unacceptable 0-15 points	Points Earned
<p>What suggestions might you make to the prescriber and/or client (or questions you might ask the prescriber) to help this client scenario? (think about decreasing the potential for interaction(s) through medication reduction, other potential medications, diet changes, lifestyle changes, etc)</p> <p>Elaborate on this, explaining why you feel it should be addressed, why it is priority and provide evidence behind your presentation.</p>	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
<p>Reflective statement of experience should include the following:</p> <p>-insight into the project itself (a specific example within the project and its implications)</p>	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).	Student failed to reflect on their project OR the student addressed only of the topics of reflection	___/10

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