

Polypharmacy Project

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N322 Introduction to Pharmacology

Lakeview College of Nursing

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Date Due 04/03/2022

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

Patient: Sharon is a 95 year old female that has been living in a long term care facility for the past ten years. Family visits frequently. One daughter visits daily to help with personal care. More confusion has set in over the past six months. Depression has become more chronic and pain is interfering in daily activities. She continues to be ambulatory, however she has had an increased incidence of falls and unsteadiness. Therapy is working with her to increase strength.

Social History: No documentation of history of smoking, alcohol, or illicit drug use. There is a history of hypertension and congestive heart failure on her maternal side.

Medical history: Dementia, Depression, Osteoarthritis, HTN, Glaucoma & Fibromyalgia

Allergies: None

Medications:

Cardizem 240 mg Daily PO -GD

Hydrochlorothiazide 25 mg by mouth twice daily -GD

Fluoxetine 40mg BID PO (recently increased from 20 mg) - GD

Lyrica 100mg BID PO (JD) (gabalin)

Exelon 13.3 mg patch TD q24h (JD)

Latanoprost 1 drop to each eye daily (JD)

Ketorolac 20mg 4 to 6 hours PRN for pain (new for increased pain)

Tylenol 500mg 4 to 6 hours for pain PRN

Calcium with Vitamin D 1200 mg PO Daily

MultiVitamin PO Daily

Drug #1	Drug Name (Generic): <i>Diltiazem hydrochloride</i>
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	<p>Drug Name (Trade): <i>Cardizem</i></p> <p>Drug Class: <i>Calcium channel blocker</i></p>
How is the medication taken: (include dose, route, and frequency)	<p>Dose: 240mg</p> <p>Route: Oral</p> <p>Frequency: One time daily</p>
Specific Directions not included above:	<p>Take before a meal. Initial: 180mg once daily, increased in 7 to 14 days, as needed.</p> <p>Maximum: 360mg daily.</p>
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.)	Lifestyle interactions do not interact with this medication. The client has no history of tobacco use, alcohol use, or drug use.
Does any of the client's past medical history	The client has a hx of dementia. Because of dementia, the client may forget, misplace, or need

contradict the use of this medication?	to be reminded to take their medications.
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)	Patient's history of hypertension. Possibly could be used if the patient is experiencing chronic stable angina. History states that she is experiencing pain.
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. Monitor blood pressure and heart rate regularly and report any significant changes to prescriber. 2. Capsules and E.R. tablets must be swallowed whole. Stopping this medication suddenly may have life-threatening effects.
How much would medication cost per month if paying out of pocket?	\$77.12

Drug #2	Drug Name (Generic): <i>Hydrochlorothiazide</i> Drug Name (Trade): <i>Microzide</i>
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	Drug Class: <i>Thiazide diuretic</i>
How is the medication taken: (include dose, route, and frequency)	Dose: 25mg Route: Oral Frequency: Two times daily
Specific Directions not included above:	Take in the morning and early evening to avoid awakening during the night to urinate. Take with food or milk if adverse GI reactions occur.
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Ketorolac : Ketorolac increases and hydrochlorothiazide decreases potassium levels in the blood. Hydrochlorothiazide will increase the level or effect of Ketorolac by acidic drugs competing for the same pathway through the kidney.
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Lifestyle interactions do not interact with this medication. The client has no history of tobacco use, alcohol use, or drug use.
Does any of the client's past medical history contradict the use of this medication?	The client has a hx of dementia. Because of dementia, the client may forget, misplace, or need to be reminded to take their medications.
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	Patient's history of hypertension.

history, please list potential indications for use of the medication in general)	
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. Weigh herself every day at the same time and wear the same amount of clothes each time. Report to provider if she gains more than 2lb. per day or 5lb. per week. 2. Report any decreased urination, muscle cramps, and unusual bleeding or bruising.
How much would medication cost per month if paying out of pocket?	\$12.30
Drug #3	<p>Drug Name (Generic): <i>Fluoxetine</i></p> <p>Drug Name (Trade): <i>Prozac</i></p> <p>Drug Class: <i>Selective serotonin reuptake inhibitor (SSRI)</i></p>
How is the medication taken: (include dose, route, and frequency)	<p>Dose: 40mg</p> <p>Route: Oral</p> <p>Frequency: BID (twice daily)</p>
Specific Directions not included above:	Initial: 20mg daily in the morning. Dosage increased every 4 to 8 weeks as needed. Dosage greater than 20mg daily given once daily in the morning or twice daily morning and noon.

	Maximum: 80mg daily.
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	<p>Ketorolac: Increases toxicity of the other by added drug effects. If possible do not take together; increased risk of upper GI bleeding.</p> <p>Pregabalin (Lyrica): Increases the level of the other by added drug effects.</p>
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Lifestyle interactions do not interact with this medication. The client has no history of tobacco use, alcohol use, or drug use.
Does any of the client's past medical history contradict the use of this medication?	The client has a hx of dementia. Because of dementia, the client may forget, misplace, or need to be reminded to take their medications.
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 the patient's depression.
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. Caution the patient to avoid hazardous activities, driving, until CNS effects of drug

	<p>are known.</p> <p>2. Monitor for symptoms of serotonin syndrome, characterized by agitation, chills, confusion, diaphoresis, diarrhea, fever, hyperactive reflexes, poor coordination, restlessness, shaking, talking or acting with uncontrolled excitement, tremors, and twitching.</p>
How much would medication cost per month if paying out of pocket?	\$46.14
Drug #4	<p>Drug Name (Generic): <i>ketorolac</i></p> <p>Drug Name (Trade): <i>Sprix, Toradol</i></p> <p>Drug Class: <i>Pharm: NSAID Therapeutic: Analgesic</i></p>
How is the medication taken: (include dose, route, and frequency)	<p>Dose: <i>20 mg</i></p> <p>Route: <i>PO</i></p> <p>Frequency: <i>4 to 6 hours PRN for pain</i></p>
Specific Directions not included above:	<i>Initial: 20 mg as single dose, followed by 10 mg every 4 to 6 as needed, up to four times a day. Maximum: 40 mg daily for no more than 5 days.</i>
Does this medication interact with any other	<i>rivastigmine (Exelon)</i> – <i>Rivastigmine increases toxicity of ketorolac by added drug effects.</i>

<p>medication(s) on this list? (see rubric for further instruction)</p>	<p><i>The provider should monitor for symptoms of GI bleeding</i></p> <p>Fluoxetine – Either increases toxicity of the other by added drug effects. If possible, do not take together; increased risk of upper GI bleeding</p> <p>hydrochlorothiazide – Ketorolac increases and hydrochlorothiazide decreases potassium levels in the blood.</p> <p>latanoprost – Unspecified interaction mechanism.</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p><i>Lifestyle interactions do not contradict this medication. The client has no history of tobacco use, alcohol use, or drug use.</i></p>
<p>Does any of the client’s past medical history contradict the use of this medication?</p>	<p><i>The client has a hx of dementia and hypertension. Because of dementia, the client can forget to take their medication, misplace, or need to be reminded to take it.</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><i>The client is taking this medication to treat the moderate/severe pain that requires analgesia at the opioid level.</i></p>
<p>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</p>	<p>1. <i>Advise the client not to take aspirin, other NSAIDs, or other salicylates while taking ketorolac without consulting prescriber. Urge the client to limit use of acetaminophen to only a few days during ketorolac therapy and to notify prescriber of use.</i></p>

	2. Alert the client to the possibility of serious skin reactions, although rare, occurring with ketorolac therapy.
How much would medication cost per month if paying out of pocket?	Pharmacy: \$31.19 Mail Order: \$46.20
Drug # 5	Drug Name (Generic): Acetaminophen Drug Name (Trade): Tylenol Drug Class: Pharm: Nonsalicylate, para-aminophenol derivative Therapeutic: Antipyretic, nonopioid analgesic
How is the medication taken: (include dose, route, and frequency)	Dose: 500 mg Route: PO Frequency: 4 to 6 hours PRN for pain
Specific Directions not included above:	Adults. 1000 mg every 6 hr, as needed. Maximum: 3000 mg in 24 hr
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	None
Lifestyle interactions:	Lifestyle interactions do not contradict this medication. The client has no history of tobacco use, alcohol use, or drug use.

(Daily tobacco use, alcohol, drugs, etc.)	
Does any of the client's past medical history contradict the use of this medication?	<i>The client has a hx of dementia and hypertension. Because of dementia, the client can forget to take their medication, misplace, or need to be reminded to take it. Regular use of acetaminophen can increase both systolic and diastolic pressure in individuals who have hypertension.</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)	<i>Acetaminophen is given to relieve mild to moderate pain.</i>
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. <i>Teach the client to recognize signs of hepatotoxicity, such as bleeding, easy bruising, and malaise, which commonly occurs with chronic overdose.</i> 2. <i>Caution the client not to exceed recommended dosage or take other drugs containing acetaminophen at the same time because of risk of liver damage.</i>
How much would medication cost per month if paying out of pocket?	<i>Pharmacy: \$2.08</i> <i>Mail Order: \$22</i>
Drug # 6	Drug Name (Generic): <i>Calcium with Vitamin D</i> Drug Name (Trade): <i>NatureMade</i>

	Drug Class: Pharm: Calcium salts Therapeutic class: Antacid, antihypermagnesemic, antihyperphosphatemic, antihypocalcemic, calcium replacement, cardiogenic
How is the medication taken: (include dose, route, and frequency)	<i>Dose: 1200 mg</i> <i>Route: PO</i> <i>Frequency: Daily</i>
Specific Directions not included above:	<i>Take the medication by mouth with food. If your product contains calcium citrate, then it may be taken with or without food.</i>
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	<i>None</i>
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	<i>Lifestyle interactions do not contradict this medication. The client has no history of tobacco use, alcohol use, or drug use. Calcium supplements can interact with certain blood pressure medications, making them less effective.</i>
Does any of the client's past medical history contradict the use of this medication?	<i>The client has a hx of dementia and hypertension. Because of dementia, the client can forget to take their medication, misplace, or need to be reminded to take it.</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	<i>It may be used to treat conditions by low calcium levels such as osteoarthritis. The client has a history of osteoarthritis.</i>

history, please list potential indications for use of the medication in general)	
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. <i>It is crucial to consume at least 1200 mg of calcium per day for postmenopausal women.</i> 2. <i>This medication does not need to be taken with food.</i>
How much would medication cost per month if paying out of pocket?	\$11.54
Drug # 7	<p>Drug Name (Generic): <i>Multivitamin</i></p> <p>Drug Name (Trade): <i>Centrum Silver (Adults 50+)</i></p> <p>Drug Class: <i>Multivitamin</i></p>
How is the medication taken: (include dose, route, and frequency)	<p><i>Dose: 1 tab</i></p> <p><i>Route: PO</i></p> <p><i>Frequency: Daily</i></p>
Specific Directions not included above:	<i>This medication is best taken on an empty stomach 1 hour before or 2 hours after meals. Take with a full glass of water, unless your provider says otherwise. If stomach upset occurs, you may take this medication with food.</i>
Does this medication interact with any other medication(s) on this list? (see rubric for further	<i>None</i>

instruction)	
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	<i>Lifestyle interactions do not contradict this medication. The client has no history of tobacco use, alcohol use, or drug use.</i>
Does any of the client's past medical history contradict the use of this medication?	<i>The client has a history of dementia. Because of this, the client can forget to take their medication, misplace, or need to be reminded to take it.</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)	<i>The medication is taken to provide vitamins that are missing within the client's diet.</i>
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> <i>1. Never take more than the recommended dose of multivitamins.</i> <i>2. Take this medication with a full glass of water. Avoid milk or other dairy products, can cause GI upset.</i>
How much would medication cost per month if paying out of pocket?	<i>\$17.44</i>
Drug # 8	Drug Name (Generic): Pregabalin

	<p>Drug Name (Trade): <i>Lyrica</i></p> <p>Drug Class: <i>Pharmacologic class: Gamma-aminobutyric acid Therapeutic class: Anticonvulsant</i></p>
<p>How is the medication taken: (include dose, route, and frequency)</p>	<p>- <i>100 mg, Orally, 2 times a day</i></p>
<p>Specific Directions not included above:</p>	<p>- <i>If prescribed extended- release tablets instruct the patient not to chew, crush or split tablets but to swallow tablets whole. Have the patient take the tablet after their evening meal.</i></p>
<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>- <i>Pregabalin , Fluoxetine . Either increases the level of the other by added drug effects</i></p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>- <i>The client has no history of tobacco use, alcohol use, or drug use. The lifestyle interactions do not apply to this patient.</i></p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>- <i>This medication can cause suicidal tendencies. It could contradict the patient's</i></p>

	<p><i>worsening depression.</i></p> <ul style="list-style-type: none"> - <i>The patient also has had an increase in falls lately this medication can cause an abnormal gait, balance disorder, or dizziness.</i>
What is the indication for use of this medication based on the client's past medical history?	<ul style="list-style-type: none"> - <i>This medication could be used to relieve neuropathic pain associated with the patient's fibromyalgia.</i>
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. <i>In patients taking these medicines, there is an increased risk of suicidal thoughts or actions. Monitor for worsening depression.</i> 2. <i>Warn the patient to not stop this medication abruptly. Explain that the patient will need to be tapered off this drug gradually over a week.</i>
How much would medication cost per month if paying out of pocket?	<i>The average retail price is 348.46</i>
Drug # 9	<p>Drug Name (Generic): <i>rivastigmine</i></p> <p>Drug Name (Trade): <i>Exelon Patch</i></p>

	Drug Class: <i>Pharmacologic: Cholinesterase inhibitor Therapeutic class: Antidementia</i>
How is the medication taken: (include dose, route, and frequency)	<i>13.3 mg patch TD q24h</i>
Specific Directions not included above:	- <i>Direct the patient to apply patch to clear dry hairless intact skin in a location like the back that won't be rubbed by clothing.</i>
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	- <i>Rivastigmine increases the toxicity of Ketorolac by added drug effects.</i>
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	- <i>The client has no history of tobacco use, alcohol use, or drug use. The lifestyle interactions do not apply to this patient.</i>
Does any of the client's past medical history contradict the use of this medication?	- <i>The patient has dementia. The patient may forget about the patch and may not remember to remove the old one before applying a new one.</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	- <i>This medication would be used to treat the patient's dementia.</i>

history, please list potential indications for use of the medication in general)	
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. <i>When applying the patch to press the patch firmly against skin until the edges stick well. Tell the patient they can wear the patch while swimming or bathing.</i> 2. <i>Make sure to tell the patient to remove the old patch before applying a new one.</i>
How much would medication cost per month if paying out of pocket?	<i>The average retail price is \$147.58</i>
Drug # 10	<p>Drug Name (Generic): <i>xalatan</i></p> <p>Drug Name (Trade): <i>Latanoprost</i></p> <p>Drug Class:</p>
How is the medication taken: (include dose, route, and frequency)	<i>1 drop to each eye daily</i>
Specific Directions not included above:	<ul style="list-style-type: none"> - <i>Make your doctor aware immediately if you have any injuries to the eye or eye infections. Also let your doctor know if you plan to have any eye surgeries.</i>

<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>- <i>Latanoprost , Ketorolac unspecified interaction mechanism.</i></p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>- <i>The client has no history of tobacco use, alcohol use, or drug use. The lifestyle interactions do not apply to this patient.</i></p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>- <i>The patient has dementia. The patient may forget to take their eye drops.</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>- <i>This medication is used to treat high pressure inside the eye due to the patient's glaucoma.</i></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. <i>Store the unopened bottle of eye drops in a refrigerator. Be sure not to freeze this medication.</i> 2. <i>Once you use the eye drops, store them at room temperature away from moisture,</i>

	<i>heat, and light.</i>
How much would medication cost per month if paying out of pocket?	<i>The average retail price is \$12.77</i>

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

The patient's history of dementia and increase in confusion may cause difficulty in remembering to take her medications or possible double dosing if she forgets that she has already taken them for the day. The patient is also at risk for misplacing her medications because of her confusion and dementia.

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

Due to the client's medical history, which include hypertension and depression, this medication regimen is prescribed to help treat the symptoms and lower the client's blood pressure. This medication regimen will help control and alleviate the client's symptoms of pain, depression, hypertension, and the other symptoms related to her medical history background.

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)

It is crucial for the client and provider to know the potential medication interactions. Dietary changes should also be considered and client education on appropriate measures related to their medical history should be taught. Due to the client's age, medical history, and medication history, safety precautions should be taught and made clear to the client. The client is currently on multiple medications for pain and multiple medications to treat her hypertension. It is important to follow the directions on the medication label and by the provider's order. If failure to follow, there could be life-threatening consequences.

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

MEDICATION	COST
Diltiazem hydrochloride	\$77.12
Hydrochlorothiazide	\$12.30
Fluoxetine	\$46.14
Ketorolac	\$31.19
Acetaminophen	\$2.08
Calcium with Vit D	\$11.54

Multivitamin	\$17.44
Pregabalin	\$348.46
Exelon (rivastigmine)	\$147.58
Latanoprost	\$12.77
TOTAL COST:	\$706.62

Reflective Statement of Experience:

This assignment was very beneficial in many ways. First, it educated us on different medications and interactions. Second, It made us aware of how prices of medications can be very costly. Third, we gained many medication resources that we were unaware of. We can take many of the things that we learned in this project with us through the rest of our nursing careers. Overall, the assignment was a great experience.

References

Drugs.com. (n.d.). *Prescription drug information, interactions & side effects*. Drugs.com. Retrieved March 29, 2022, from <https://www.drugs.com/>

GoodRx. (n.d.). *Prescription prices, Coupons & pharmacy information*. GoodRx. Retrieved March 29, 2022, from <https://www.goodrx.com/>

Jones & Bartlett Learning. (2021). *2021 Nurse's Drug Handbook* (20th ed.). Jones & Bartlett Learning

WebMD. (n.d.). *Drug interaction checker - find interactions between medications*. WebMD. Retrieved March 29, 2022, from <https://www.webmd.com/interaction-checker/default.htm>

N322 Polypharmacy Grading Rubric

Criteria	Excellent 40 points	Acceptable 31-39 points	Unacceptable 0-30 points	Points Earned
<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>		<p>for each medication)</p>	<p>compliance. (This question is worth one point for each medication)</p>	
<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? 	<p>Student showed research on medication costs</p>	<p>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>	<p>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>	<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 	The students provided reflection showed good insight into the project itself, polypharmacy, and the nurses role in client advocacy	<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 	Student failed to reflect on their project OR the student addressed only of the topics of reflection	___/10
Total Points				___/200