

Polypharmacy Project

Micayla Clapp, Kimberly Sanchez, Bao Tran

N322 Introduction to Pharmacology

Lakeview College of Nursing

Brittany Lawson MSN, RN, CMAC

6/29/2021

## POLYPHARMACY

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Patient: Lucy is a 68 year old female, who lives at home with daughter. She smokes 1 pack a day of cigarettes, and has for 36 years. Lucy has anxiety and has been having increased difficulty sleeping lately. She has an extensive past medical history. She was recently hospitalized and diagnosed with community acquired pneumonia.

Medical hx: hypertension, insomnia, sleep apnea (using C-pap but non-compliant), chronic obstructive pulmonary disease, arthritis, uses oxygen @ 2L nasal cannula

Wt 300 pounds Ht 5ft 2in

Allergies: Seasonal

Medications:

Hydrochlorothiazide 50 mg by mouth twice daily

Simvastatin 40 mg **by mouth** at night

Prednisone **10 mg tablets** tapering dose **by mouth** (end in 7 days)

**Days 1 and 2: take 6 tablets**

**Days 3 and 4: take 5 tablets**

**Days 5 and 6: take 4 tablets**

**Days 7 and 8: take 3 tablets**

**Days 9 and 10: take 2 tablets**

**Days 11 and 12: take 1 tablet**

Budesonide 160/4.5 mcg 2 **puffs via inhalation** BID

Meloxicam 15 mg **by mouth** once a day

Zolpidem 10mg **by mouth** at bedtime

Ciprofloxacin 750mg every 12 hours by mouth (end in 7 days)

Cheratussin 1tsp every 4 hours **by mouth** as needed

Tylenol #3 (30-300) **take one tab by mouth** every 4 to 6 hours **PRN** for pain

Albuterol **sulfate 2.5 mg nebulization** every 4 to 6 hours as needed

<b>Drug #1</b>	<b>Drug Name (Generic): hydrochlorothiazide</b> <b>Drug Name (Trade): Apo-Hydro</b> <b>Drug Class: thiazide diuretic</b>
<b>How is the medication taken: (include dose, route, and frequency)</b>	50mg by mouth twice daily
<b>Specific Directions not included above:</b>	Take with food to minimize GI upset (Jones & Bartlett, 2018).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	Hydrochlorothiazide and albuterol both decrease potassium levels in blood ( <i>Drug Interaction Checker – Check for Interactions between Prescription Medications</i> , n.d.). Monitor for hypokalemia.
<b>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc. )</b>	There are no lifestyle interactions.
<b>Does any of the client’s past medical history contradict the use of this medication?</b>	The patient’s past medical history does not contraindicate the use of this medication.
<b>What is the indication for use of this medication based on the client’s past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the</b>	This medication could be used to lower the patient’s blood pressure (Jones & Bartlett, 2018).

<b>medication in general)</b>	
<b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b>	1. take with food to minimize GI upset 2. get up slowly orthostatic hypotension is a possibility (Jones & Bartlett, 2018).
<b>How much would medication cost per month if paying out of pocket?</b>	\$7.14 at Walmart ( <i>Hydrochlorothiazide Prices and Hydrochlorothiazide Coupons</i> , n.d.).

<b>Drug #2</b>	<b>Drug Name (Generic): simvastatin</b> <b>Drug Name (Trade): Lipex</b> <b>Drug Class: antilipemic</b>
<b>How is the medication taken: (include dose, route, and frequency)</b>	40 mg by mouth at night
<b>Specific Directions not included above:</b>	No other instructions are needed
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	Prednisone will decrease the effect of simvastatin ( <i>Drug Interaction Checker – Check for Interactions between Prescription Medications</i> , n.d.).
<b>Lifestyle interactions:</b>	There are no lifestyle interactions.

<b>(Daily tobacco use, alcohol, drugs, etc. )</b>	
<b>Does any of the client's past medical history contradict the use of this medication?</b>	The patient's past medical history does not contradict the use of this medication.
<b>What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</b>	The patient has hypertension that could possibly be due to hyperlipidemia simvastatin treats hyperlipidemia (Jones & Bartlett, 2018).
<b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b>	<ol style="list-style-type: none"> <li>1. take this medication with the evening meal</li> <li>2. tell patient to inform doctor of any adverse reactions particularly muscle aches and pains (Jones &amp; Bartlett, 2018).</li> </ol>
<b>How much would medication cost per month if paying out of pocket?</b>	\$9 at Walmart ( <i>Simvastatin Prices, Coupons &amp; Savings Tips</i> , n.d.).
<b>Drug #3</b>	<b>Drug Name (Generic): prednisone</b> <b>Drug Name (Trade): Deltasone</b> <b>Drug Class: adrenocorticoid</b>
<b>How is the medication taken: (include dose, route,</b>	10 mg tablets tapering dose by mouth (ends in 7 days)

<p><b>and frequency)</b></p>	<p>Day 1 and 2 take 6 tablets</p> <p>Day 3 and 4 take 5 tablets</p> <p>Day 5 and 6 take 4 tablets</p> <p>Day 7 and 8 take 3 tablets</p> <p>Day 9 and 10 take 2 tablets</p> <p>Day 11 and 12 take 1 tablet</p>
<p><b>Specific Directions not included above:</b></p>	<p>The tapering dosage as stated above</p>
<p><b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b></p>	<p>The patient is on a thiazide diuretic and this medication will enhance potassium wasting effects of prednisone (<i>Drug Interaction Checker – Check for Interactions between Prescription Medications, n.d.</i>).</p> <p>Prednisone will decrease the effect of simvastatin. Prednisone along with Cipro will increase the likelihood of tendon rupture. Also, prednisone with budesonide increases the amount of prednisone in the body (<i>Drug Interaction Checker – Check for Interactions between Prescription Medications, n.d.</i>).</p> <p>Prednisone oral interacts with meloxicam, either increasing toxicity of the other by added drug effects and may increase the chance of gastrointestinal ulceration (“Drug Interaction</p>

	Checker”, n.d.).
<b>Lifestyle interactions:</b> <b>(Daily tobacco use, alcohol, drugs, etc. )</b>	There are no lifestyle interactions.
<b>Does any of the client’s past medical history contradict the use of this medication?</b>	Use cautiously in patients with hypertension (Jones & Bartlett, 2018).
<b>What is the indication for use of this medication based on the client’s past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</b>	This can help with the patient’s COPD (Jones & Bartlett, 2018).
<b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b>	1. take with meals to minimize GI reactions 2. patient should have low sodium diet with high potassium and protein (Jones & Bartlett, 2018).
<b>How much would medication cost per month if paying out of pocket?</b>	\$5.72 at Walgreens ( <i>Prednisone Prices, Coupons &amp; Savings Tips</i> , n.d.).
<b>Drug #4</b>	<b>Drug Name (Generic): budesonide</b>

	<b>Drug Name (Trade): Rhinocort</b> <b>Drug Class: glucocorticoid</b>
<b>How is the medication taken: (include dose, route, and frequency)</b>	160/4.5mcg 2 puffs via inhalation twice a day
<b>Specific Directions not included above:</b>	Shake container before using. Blow nose before inhalation of medicine and insert nozzle into nostril point away from septum. Hold the other nostril closed and inhale medicine. Repeat on the other nostril (Jones & Bartlett, 2018).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	Budesonide increases the level of prednisone in the body. Budesonide and meloxicam have the added affect increases toxicity of each other ( <i>Drug Interaction Checker – Check for Interactions between Prescription Medications</i> , n.d.).
<b>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc. )</b>	No lifestyle interactions.
<b>Does any of the client’s past medical history contradict the use of this medication?</b>	The patient’s past medical history does not contradict the use of this medication.
<b>What is the indication for use of this medication based on the client’s past medical history? (If unable</b>	The patient has COPD. Budesonide can help with COPD (Jones & Bartlett, 2018).

<b>to determine an indication based on past medical history, please list potential indications for use of the medication in general)</b>	
<b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b>	<ol style="list-style-type: none"> <li>1. teach the patient about how to properly take the medication.</li> <li>2. warn patient not to exceed prescribed dose or use for long periods because of risk of hypothalamic-pituitary-adrenal axis suppression (Jones &amp; Bartlett, 2018).</li> </ol>
<b>How much would medication cost per month if paying out of pocket?</b>	\$17.11 at Walmart ( <i>Budesonide Prices, Coupons &amp; Savings Tips</i> , n.d.).
<b>Drug # 5</b>	<b>Drug Name (Generic):</b> meloxicam <b>Drug Name (Trade):</b> Mobic <b>Drug Class:</b> NSAID
<b>How is the medication taken: (include dose, route, and frequency)</b>	15 mg by mouth once a day
<b>Specific Directions not included above:</b>	May take drug with food or after meals to avoid stomach irritation (Jones & Bartlett, 2020).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	Prednisone oral interacts with meloxicam, either increasing toxicity of the other by added drug effects and may increase the chance of gastrointestinal ulceration (“Drug Interaction

	<p>Checker”, n.d.).</p> <p>Ciprofloxacin and meloxicam have the potential for interaction causing increased risk of central nervous system stimulation and seizures (“Drug Interaction Checker”, n.d.).</p> <p>Albuterol and meloxicam have a potential for interaction where meloxicam increases and albuterol decreases potassium in the blood (“Drug Interaction Checker”, n.d.).</p> <p>Hydrochlorothiazide and meloxicam have the potential for interaction where meloxicam increases and hydrochlorothiazide decreases potassium in the blood (“Drug Interaction Checker”, n.d.).</p>
<p><b>Lifestyle interactions:</b> <b>(Daily tobacco use, alcohol, drugs, etc. )</b></p>	<p>Daily tobacco use- 1 packs a day of cigarettes, for 36 years.</p>
<p><b>Does any of the client’s past medical history contradict the use of this medication?</b></p>	<p>No, the client’s past medical history does not contradict the use of this medication.</p>
<p><b>What is the indication for use of this medication based on the client’s past medical history? (If unable to determine an indication based on past medical</b></p>	<p>To relieve signs and symptoms of juvenile and rheumatoid arthritis (Jones &amp; Bartlett, 2020).</p> <p>Client has a past medical history of unspecified arthritis.</p>

<b>history, please list potential indications for use of the medication in general)</b>	
<b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b>	<p>1. Reduce use of alcohol and smoking while on this medication, combination of lifestyle activities increases the risk of GI reactions (Jones &amp; Bartlett, 2020).</p> <p>2. Medication may cause GI bleeding, be sure to report signs of bleeding such as black tarry stools, blood in urine, severe abdominal pain, and excessive bruising (Jones &amp; Bartlett).</p>
<b>How much would medication cost per month if paying out of pocket?</b>	\$4.05 at Walmart (“Meloxicam Prices, Coupons & Savings Tips”, n.d.).
<b>Drug # 6</b>	<p><b>Drug Name (Generic): zolpidem</b></p> <p><b>Drug Name (Trade): Ambien</b></p> <p><b>Drug Class: hypnotic</b></p>
<b>How is the medication taken: (include dose, route, and frequency)</b>	<b>10mg by mouth at bedtime</b>
<b>Specific Directions not included above:</b>	Take on an empty stomach.
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	Ciprofloxacin interacts with zolpidem, increasing the level or effect of zolpidem oral by altering drug metabolism

<p><b>Lifestyle interactions:</b> <b>(Daily tobacco use, alcohol, drugs, etc. )</b></p>	<p>None listed in the patient’s history.</p>
<p><b>Does any of the client’s past medical history contradict the use of this medication?</b></p>	<p>Zolpidem should be used cautiously in those with other disorders because the effects of the medication on those orders isn’t known. Zolpidem is not contraindicated in those with COPD but should be used cautiously in those with respiratory conditions due to unknown effects (Jones &amp; Bartlett, 2020).</p>
<p><b>What is the indication for use of this medication based on the client’s past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</b></p>	<p>Short term treatment of insomnia (Jones &amp; Bartlett, 2020).</p>
<p><b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b></p>	<ol style="list-style-type: none"> <li>1. Take immediately before bed and avoid eating before taking the medication (Jones &amp; Bartlett, 2020).</li> <li>2. Take dosage as prescribed (Jones &amp; Bartlett, 2020).</li> </ol>
<p><b>How much would medication cost per month if paying out of pocket?</b></p>	<p>\$9.34 at Hy-Vee (“Zolpidem Prices, Coupons &amp; Savings Tips”, n.d.).</p>

<b>Drug # 7</b>	<b>Drug Name (Generic): ciprofloxacin</b> <b>Drug Name (Trade): Cipro</b> <b>Drug Class: fluoroquinolone antibiotic</b>
<b>How is the medication taken: (include dose, route, and frequency)</b>	750 mg every 12 hours by mouth ends in 7 days
<b>Specific Directions not included above:</b>	Finish course of medication as prescribed.
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	<p>Prednisone and ciprofloxacin have a significant chance of interacting and increase the chance of tendon rupture (“Drug Interaction Checker”, n.d.).</p> <p>Ciprofloxacin and meloxicam have the potential for interaction causing increased risk of central nervous system stimulation and seizures (“Drug Interaction Checker”, n.d.).</p> <p>Zolpidem and ciprofloxacin have a significant chance for interaction, where ciprofloxacin increases the level or effect of zolpidem by altering drug metabolism (“Drug Interaction Checker”, n.d.).</p>
<b>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc. )</b>	None listed in the medical history.
<b>Does any of the client’s past medical history</b>	No, the client’s past medical history does not contradict the use of this medication.

<b>contradict the use of this medication?</b>	
<b>What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</b>	Ciprofloxacin is indicated in patients diagnosed with pneumonia. Patient was diagnosed with community acquired pneumonia.
<b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b>	<ol style="list-style-type: none"> <li>1. Take full course of medication as prescribed.</li> <li>2. Do not take medications with dairy products as they may delay drug absorption, and avoid caffeine (Jones &amp; Bartlett, 2020).</li> </ol>
<b>How much would medication cost per month if paying out of pocket?</b>	\$10.14 at Hy-Vee pharmacy ("Ciprofloxacin Prices, Coupons & Savings Tips", n.d.).
<b>Drug # 8</b>	<p><b>Drug Name (Generic): codeine and guaifenesin</b></p> <p><b>Drug Name (Trade): Cheratussin AC</b></p> <p><b>Drug class: Upper respiratory combinations, expectorant</b></p>

<b>How is the medication taken: (include dose, route, and frequency)</b>	1 tsp every 4 hour by mouth as needed
<b>Specific Directions not included above:</b>	Not to take more than 1 week
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	HydroCHLOROthiazide and codeine may have additive effects in lowering blood pressure (Drug interaction checker – Check for interactions between prescription medications, n.d.)
<b>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc. )</b>	Do not drink alcohol when using cheratussin as dangerous side effects or death may occur (Cheratussin AC, n.d.)
<b>Does any of the client's past medical history contradict the use of this medication?</b>	The patient's past medical history does not contradict the use of this medication.
<b>What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</b>	The patient has seasonal allergies in which Cheratussin AC can be used to relieve the symptoms.
<b>What would you teach the client about taking this</b>	Should be taken with a full glass of water

<b>medication? You must prioritize 2 (see rubric)</b>	Not to break, chew, or crush, but to swallow them whole (Jones & Bartlett, 2020)
<b>How much would medication cost per month if paying out of pocket?</b>	\$8.53 at Meijer (Cheratussin AC Prices and Cheratussin AC Coupons, n.d.)
<b>Drug # 9</b>	<p><b>Drug Name (Generic): Albuterol sulfate</b></p> <p><b>Drug Name (Trade): AccuNeb</b></p> <p><b>Drug Class: bronchodilator</b></p>
<b>How is the medication taken: (include dose, route, and frequency)</b>	2.5 mg nebulization every 4 to 6 hours as needed
<b>Specific Directions not included above:</b>	Shake well before using (Albuterol Oral Inhalation, n.d.)
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	Hydrochlorothiazide and albuterol both decrease potassium levels in blood ( <i>Drug Interaction Checker – Check for Interactions between Prescription Medications</i> , n.d.). Monitor for hypokalemia.

	Albuterol and meloxicam have a potential for interaction where meloxicam increases and albuterol decreases potassium in the blood (“Drug Interaction Checker”, n.d.)
<b>Lifestyle interactions:</b> <b>(Daily tobacco use, alcohol, drugs, etc. )</b>	Caffeine-sensitive persons may experience nausea, nervousness, palpitations, problems with sleep, rapid heartbeat, or other side effects (Albuterol sulfate: Food, Alcohol, Supplements and Drug Interactions. albuterol sulfate Food, Alcohol, Supplements and Drug Interactions, 2021)
<b>Does any of the client’s past medical history contradict the use of this medication?</b>	The patient’s past medical history does not contradict the use of this medication.
<b>What is the indication for use of this medication based on the client’s past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</b>	Albuterol sulfate is used to treat the patient’s obstructive airway disease (Jones & Bartlett, 2020)
<b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b>	Teach the patient how to use the inhaler and warn them not to exceed prescribed dose (Jones & Bartlett, 2020)
<b>How much would medication cost per month if paying out of pocket?</b>	\$18.27 at Walgreen (Albuterol Prices, Coupons & Savings Tips, n.d.)
<b>Drug # 10</b>	

	<b>Drug Name (Generic): Acetaminophen</b>  <b>Drug Name (Trade): Tylenol</b>  <b>Drug Class: antipyretic</b>
<b>How is the medication taken: (include dose, route, and frequency)</b>	1 tablet by mouth every 4 to 6 hours as needed for pain
<b>Specific Directions not included above:</b>	do not take more than 6 caplets in 24 hours  do not take for more than 10 days
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	There is no interaction with other medication on this list.
<b>Lifestyle interactions:</b>	Using alcohol might increase risk of hepatotoxicity (Jones & Bartlett, 2020)

<b>(Daily tobacco use, alcohol, drugs, etc. )</b>	
<b>Does any of the client's past medical history contradict the use of this medication?</b>	The patient's past medical history does not contradict the use of this medication.
<b>What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</b>	This medication might be used to relieve pain for the patient as she has history of arthritis
<b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b>	tablets can be crushed or swallowed whole  teach patient how to recognize signs of hepatotoxicity (Jones & Bartlett, 2020)
<b>How much would medication cost per month if paying out of pocket?</b>	\$8.52 from CVS (Tylenol With Codeine Prices, Coupons & Savings Tips, n.d.)

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

Medications are going to be inherently harder to remain compliant with if the regimen goes on for multiple days, alternates in days, or has multiple doses in one day. The most challenging drug on the client's list to remain compliant with is prednisone. It alternates in doses between days, where days 1 and 2 require taking 6 tablets, days 3 and 4 require taking 5 tablets, days 7 and 8 require taking 3 tablets, days 9 and 10 require taking 2 tablets, and days 11 and 12 require taking 1 tablet. These medication regimens, along with other medication schedules, quickly become complicated and difficult to keep track of. In addition to a long regimen duration, having to keep track of multiple medications will also make it difficult for the client to maintain compliance.

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

There are medications on the list that do not need to be taken every day, making the regimen less daunting. Cheratussin, albuterol, Tylenol #3 are taken as needed, making the medication regimen more flexible.

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

A lot of medications typically interact with smoking and alcohol, I would advise the client to avoid these activities while on a high-medication count regimen. To the prescriber, I would recommend that they double check the medication reconciliation list and use an interaction checker before prescribing new medications to the client.

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

The total out-of-pocket expense for all 10 medications as prescribed would be around \$101.99.

**Reflective Statement of Experience:**

As healthcare professionals, it is our responsibility to ensure the client's safety. This project has taught us that medications are complicated, easily interact with other drugs, and can be harmful toward particular preexisting conditions. Prescribing medications can become very dangerous, very quickly. As nurses, it is our responsibility to do a thorough job while taking medical histories and drug reconciliation to minimize harm to the client.

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## N322 Polypharmacy Grading Rubric

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

<p>Specific Directions not included above:</p> <ul style="list-style-type: none"> <li>Is there any type of medication on the patient list that have specific directions?</li> </ul> <p>(before bed, before breakfast, 30 minutes before meals, etc..)</p>	<p>All key components were addressed within the paper.</p>	<p>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)</p>	<p>Student failed to answer the questions and/or the answers were inaccurate. (For each medication this question is worth one point)</p>	<p>___/10</p>
<p><b>Criteria</b></p>	<p><b>Excellent 0 points</b></p>	<p><b>Acceptable 16-19</b></p>	<p><b>Unacceptable 0-15 points</b></p>	<p><b>Points Earned</b></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"> <li>Do any of the medications interact with each other?</li> </ul> <p>(Please note: if there is an interaction between two medication, you MUST list that interaction on BOTH medications to receive full credit. You may utilize the same verbiage/wording on each medication, we want to know you are thinking about it when considering each medication)</p>	<p>All medications reviewed and student explained medication interactions.</p>	<p>The student did list some of the potential interactions of the medication(s), but failed to address all potential interactions that are serious and/or need close monitoring. (for each medication listed this question is worth two points)</p>	<p>Student failed to answer question and/or The student did list some of the potential interactions of the medication(s), but failed to address all potential interactions that are serious and/or need close monitoring. (for each medication listed this question is worth two points)</p>	<p>___/20</p>

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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"> <li>What lifestyle factors counteract with the medications?</li> </ul> (tobacco user, ETOH use – 3 beers daily)	Student showed knowledge why lifestyle would counteract with medications	The student listed lifestyle interactions for some of the medications, but not all and/or the interactions listed were not priority or were incorrect. (For each medication, this question is worth half a point)	Student failed to answer question or the student listed lifestyle interactions for some of the medications, but not all and/or the interactions listed were not priority or were incorrect. (For each medication, this question is worth half a point)		___/5
Criteria	Excellent 10 points	Average 8-9	Unacceptable 0-7 points	Points Earned	
<ul style="list-style-type: none"> <li>Does any of the client’s past medical history contradict the use of this</li> </ul>	Student showed knowledge why the client’s past medical history would contradict the use of the medication(s).	Student provided answers to the question(s), but failed to answer all the questions and/or the answers provided	Student failed to answer question or Student provided answers to the question(s), but failed to answer all the questions	___/10	

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

<p>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><b>Criteria</b></p>	<p><b>Excellent 10 points</b></p>	<p><b>Acceptable 8-9 points</b></p>	<p><b>Unacceptable 0-7 points</b></p>	<p><b>Points Earned</b></p>
<p>Is there anything about this medication regimen/ scenario that might indicate a potential difficulty in maintaining compliance with the orders as listed?</p> <ul style="list-style-type: none"> <li>Why would the patient have difficulty maintaining the medication regiment?</li> </ul> <p>(Please consider all factors in the scenario and all information provided within your chart - including cost, insurance, frequency of administration, etc)</p>	<p>Student had knowledge on 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>
<p><b>Criteria</b></p>	<p><b>Excellent 10 points</b></p>	<p><b>Acceptable 8-9 points</b></p>	<p><b>Unacceptable 0-7 points</b></p>	<p><b>Points Earned</b></p>
<p>Is there anything about this medication regimen/ scenario that might assist the client in maintaining the medication regimen as</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</p>	<p>Student failed to answer the question OR The student answered the question appropriately for some of the medications but failed to</p>	<p>___/10</p>

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

<p>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)</p> <ul style="list-style-type: none"> <li>• The student provided a rubric attached for grading (3 points)</li> <li>• The student included the provided client scenario on page two of the document (2 points)</li> <li>• The paper included a minimum of five references which were cited within the document (each reference with one citation is worth 5 points)</li> </ul>	<p>APA manual.</p>			
<p><b>Criteria</b></p>	<p><b>Excellent 20 points</b></p>	<p><b>Acceptable 16-19 points</b></p>	<p><b>Unacceptable 0-15 points</b></p>	<p><b>Points Earned</b></p>
<p>What suggestions might you make to the prescriber and/ or client (or questions you</p>	<p>The student was able to identify one potential idea or question to present to the prescriber or client.</p>	<p>The student was able to identify one potential idea or question to present to the</p>	<p>The student failed to answer the question OR the student answered the question, however</p>	<p>____/20</p>

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

<b>Total Points</b>				<u>    </u> /200
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