

Polypharmacy Project

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N322 Introduction to Pharmacology

Lakeview College of Nursing

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Date Due

Background: Caroline is a 78-year-old female that resides at home with her daughter who is her primary care giver. No one else lives with them. Caroline requires extensive assistance from her daughter in completing all of her activities of daily living, as she cannot follow simple commands to complete the steps of her activities of daily living. She also is experiencing extensive communicative difficulties resulting in the majority of her communication being word salad. She expresses anger often, and was recently discharged from the local psychiatric hospital related to her physically combative behaviors during care. Caroline has a history of smoking – but quit about ten years ago. She has a history of drinking socially, and currently drinks one glass of wine a day at lunch. Caroline and her daughter have no other family in the area.

Economics: Caroline’s husband is deceased. His pension ended when he died so Caroline does not receive it. She does not qualify for Social Security because she never worked outside the home and did not pay employment quarters to the federal government. She has no income. Caroline’s daughter is 57 and retired from the post office. She has a pension of \$2100/month and is not old enough to draw Social Security. She can’t work an outside job because of the amount of care and supervision Caroline needs.

Insurance: Medicare, no supplement

Allergies: Penicillin & Peanuts

Diet: Mechanical Soft with thick liquids related to difficulty chewing

Medical diagnosis: Alzheimer's with behavioral disturbance, COPD, hyperlipidemia, and chronic kidney disease

Current medications include the following:

Zyprexa 7.5 mg by mouth one time a day

Donepezil 10 mg by mouth at HS

Colace 200 mg by mouth one time a day

Haloperidol 2 mg IM every 4 hour PRN for agitation

Albuterol nebulizer every 6 hours daily and Q 2 hours prn for wheezing and shortness of breath

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

Namenda 5 mg by mouth twice a day

Ibuprofen 400 mg by mouth every 6 hours PRN pain

Lipitor 30 mg by mouth once daily

Miralax 17 gm mixed in 8 ounces of juice or water by mouth once a day as needed for constipation

Drug #1	<p>Drug Name (Generic): olanzapine</p> <p>Drug Name (Trade): ZYPREXA</p> <p>Drug Class: Pharmacological: Thienobenzodiazepine derivative</p> <p>Therapeutic: atypical antipsychotic</p>
How is the medication taken: (include dose, route, and frequency)	<p><u>Oral disintegrating tablets:</u></p> <p>Adults: Initially 5-10mg QD, increasing to 10 mg. 20 mg max.</p> <p>Adolescents age 13+: initial 2.5 mg QD, increasing to 10mg. Max of 20mg.</p> <p><u>IM Injection ER:</u></p> <p>Adults (who have been taking 10mg QD PO): initially 210mg every 2wk for the first 8 weeks.</p> <p>Then decrease to 150mg every 2wk/or 405mg every 4 weeks for first 8 weeks.</p> <p>Then decrease to 300mg every 4wk.</p>
Specific Directions not included above:	<p>For elderly, debilitated or clients prone to hypotension:</p> <p>Reduce initial oral to 5mg and 150mg every 4 weeks for IM.</p>
Does this medication interact with any other medication(s) on this list? (see rubric for further	<p>Donepezil (anticholinergics) - may increase risk of severe GI issues and dizziness.</p> <p>Zyprexa, Haloperidol, Albuterol, ProAir, Namenda (CNS depressants) - compounding CNS</p>

instruction)	depression and potential for dizziness and orthostatic hypotension. Additionally, extrapyramidal symptoms or QT prolongation.
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Avoid alcohol use when taking, may enhance CNS depression. May cause weight gain. Smoking will reduce blood concentration levels of this drug.
Does any of the client's past medical history contradict the use of this medication?	Nothing medically, however the patient may need to cease their daily glass of wine when taking 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)	While this med is primarily used for schizophrenia and bipolar disorder, it is likely it is being taken as an alternative means to address patients physically combative behaviors.
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. The tablets are fragile and disintegrate easily. Therefore, this medication must be removed by peeling back the foil, not by pushing the pill against it. Pill must then be moved with a dry hand into the mouth immediately. 2. Involve family and friends of client to monitor client for potential suicidal ideation as a

	side effect of taking this medication.
How much would medication cost per month if paying out of pocket?	***

Drug #2	Drug Name (Generic): donepezil Drug Name (Trade): ARICEPT Drug Class: Pharmacological: Acetylcholinesterase inhibitor Therapeutic class: Antidementia
How is the medication taken: (include dose, route, and frequency)	<u>Oral solution, disintegrating tablets, or transdermal patch (same rules apply for all):</u> Adults: initially 5mg QD. After 4-6 weeks, increase to 10mg QD PRN w/ max of 10mg/day.
Specific Directions not included above:	Take at bed time. Do not crush/chew/cut tablet & allow it to dissolve on tongue, chase with water. Use a calibrated syringe for measuring oral solutions.

<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>Haloperidol - May cause additive CNS effects.</p> <p>Olanzapine - Increase confusion or cognitive disturbance.</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>Do not use transdermal patch applications if the client has a history of allergic contact dermatitis.</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>Nothing provided suggests an issue.</p>
<p>What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</p>	<p>Patient has a diagnosis of Alzheimers.</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. Advise family/caregivers that the patient should avoid hazardous activities until the drugs effects on the clients CNS are known/resolved as a safety precaution. 2. Educate family/caregivers on how to apply patch. Patch should not be left in direct

	sunlight. Can bathe with patch on.
How much would medication cost per month if paying out of pocket?	***
Drug #3	Drug Name (Generic): docusate sodium Drug Name (Trade): COLACE Drug Class: Stool softener
How is the medication taken: (include dose, route, and frequency)	
Specific Directions not included above:	<p>This med pulls body fluids to GI tract to increase hydration & motility of stool bulk.</p> <p>Therefore, take with water to aid in stool softening effect & combat constipation.</p>
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Nothing provided suggests an issue.
Lifestyle interactions:	

(Daily tobacco use, alcohol, drugs, etc.)	
Does any of the client's past medical history contradict the use of this medication?	None provided.
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)	Treats constipation. It is possible our client experiences this periodically. Advanced age and decreased mobility can be contributing factors. It is also worth considering that our patient is on a mechanical soft and thick liquid diet.
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. Not for daily use on a long term basis. May create a degree of dependency, and paradoxical effect. 2. Caregiver will want to encourage fiber intake.
How much would medication cost per month if paying out of pocket?	***
Drug #4	Drug Name (Generic): <i>albuterol sulfate</i> Drug Name (Trade): ACCUNEB (nebulizer)

	<p>Drug Class: Pharmacological class: Adrenergic</p> <p>Therapeutic class: Bronchodilator</p>
<p>How is the medication taken: (include dose, route, and frequency)</p>	<p><u>Inhalation powder (PROAIR or DIGIHALER) & aerosol formulations (VENTOLIN):</u></p> <p>Adults and children 4+: 2 inhalations 15-30 min before activity/exercise.</p> <p><u>ER Tablets:</u></p> <p>Adults and children 12+: initially 4 or 8mg doses BID, maximum of 16mg doses BID.</p> <p>Children ages 6-12: Initial 4mg BID, maximum of 12mg BID.</p> <p><u>Syrup:</u></p> <p>Adults and ages 14+: Initially 2 or 4mg doses given TID or QID. Increase as needed to 8mg QID. Maximum of 32mg in a day.</p> <p>Children ages 6-14: Initially 2mg doses TID or QID. Increase to max dose as needed. Maximum of 24mg in a day.</p> <p>Children ages 2-6: Initially 0.1mg/kg TID (do not exceed 2mg TID). Increase as needed to 0.2mg/kg TID (do not exceed 4mg TID). Maximum of 12mg in a day.</p> <p><u>Tablets:</u></p> <p>Adults and ages 12+: Initially 2 or 4mg doses TID or QID. Increase as needed to 8mg QID.</p>

	<p>Maximum of 32mg in a day.</p> <p>Children ages 6-12: Initially 2mg TID or QID. Increase as needed to max dose. Maximum of 24mg in a day.</p> <p><u>Inhaled solution:</u></p> <p>Adults and ages 12+, and including ages 2-12 if weighing in excess of 33 lb: 2.5mg TID or QID, as needed, by nebulization.</p> <p>Children 2-12 weighing less than 33 lb: Initially 0.63mg or 1.25mg doses given TID or QID, as needed, by nebulization.</p> <p><u>Inhaled powder(PROAIR, DIGIHALER) or aerosols(VENTOLIN):</u></p> <p>Adults and ages 4+: 1 inhalation every 4 hours, or 2 every 4-6 hours.</p>
Specific Directions not included above:	<p>Do not break/crust/cut extended release tablets, or mix w/ food. Swallow tablets whole.</p> <p>Use an accurate measuring device for syrup doses.</p> <p>For inhalants, exhale completely before inhaling medication thoroughly. Provide at least 1 minute between inhales.</p>
Does this medication interact with any other medication(s) on this list? (see rubric for further	No.

instruction)	
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Caregiver will need to avoid providing the patient with caffeine during periods of inhaler use as both increase heart rate.
Does any of the client's past medical history contradict the use of this medication?	Nothing provided suggests an issue.
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 has a diagnosis of COPD and is likely utilizing the medication (a rescue inhaler) as a PRN med for flare ups of bronchial constriction.
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	<ol style="list-style-type: none"> 1. The patient's family will have to clean the device to prevent bacterial build up that could then be inhaled. Discard devices if still in possession for greater than a year. 2. The family will need to monitor heart rate, and be sure to encourage the client to eat a banana or avocado on occasion to promote potassium levels, for which the medication will burn out of the blood stream when it elevates heart rate after use.

How much would medication cost per month if paying out of pocket?	***
Drug # 5	Drug Name (Generic): Haloperidol Drug Name (Trade): Haldol Drug Class: Antipsychotic agent
How is the medication taken: (include dose, route, and frequency)	Oral concentrate (2mg/mL) Oral tablet (0.5 mg, 1 mg, 2 mg, 5 mg, 10 mg, 20 mg) IM/IV injection (2 mg/mL, 5 mg/mL) <i>This patient is prescribed 2 mg IM every 4 hours PRN for agitation.</i>
Specific Directions not included above:	Gather supplies, draw up 1 mL of the haloperidol 2 mg/mL vial, clean injection site (deltoid muscle of the upper arm), administer injection at a 90 degree angle over 10-15 seconds, and dispose of equipment

Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Olanzapine (Zyprexa) - CNS Depression, QT prolongation Donepezil - CNS side effects, motor function effects
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Avoid alcohol due to risk of sedation, stay hydrated, do not take with medications that have drug interactions with haloperidol
Does any of the client's past medical history 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 medication in general)	An indication from this patient's past medical history include physically combative behaviors during care, and is only to be used as needed.
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. 2.
How much would medication cost per month if	

paying out of pocket?	
Drug # 6	<p>Drug Name (Generic): albuterol sulfate</p> <p>Drug Name (Trade): ProAir HFA</p> <p>Drug Class: Adrenergic bronchodilators</p>
How is the medication taken: (include dose, route, and frequency)	<p>Dose: For asthma or bronchospasm relief: 90 mcg per inhalation (1-2 puffs as needed). For exercise-induced bronchospasm prevention: 2 puffs 15-30 minutes before exercise.</p> <p>Route: Inhalation (inhaled through the mouth using the metered-dose inhaler).</p> <p>Frequency: As needed for sudden breathing difficulties, usually every 4 to 6 hours. Do not exceed 12 puffs in 24 hours unless directed by a doctor.</p> <p><i>This patient is prescribed 2 puffs via inhalation four times daily as needed.</i></p>
Specific Directions not included above:	
Does this medication interact with any other medication(s) on this list? (see rubric for further	N/A

instruction)	
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	
Does any of the client's past medical history 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 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. 2.
How much would medication cost per month if paying out of pocket?	
Drug # 7	Drug Name (Generic): memantine hydrochloride

	<p>Drug Name (Trade): Nemanda</p> <p>Drug Class: N-methyl-D-aspartate (NMDA) antagonist</p>
<p>How is the medication taken: (include dose, route, and frequency)</p>	<p>Dose: For the starting dose take 5 mg once daily. For a maintenance dose, gradually increase to 10 mg twice daily (or 28 mg once daily if using the extended-release form).</p> <p>Route: Oral (taken by mouth in tablet or liquid form).</p> <p>Frequency: Immediate-release tablets: Once or twice daily, depending on the dose. Extended-release capsules: Once daily. Can be taken with or without food.</p> <p><i>This patient is prescribed 5 mg by mouth twice a day.</i></p>
<p>Specific Directions not included above:</p>	
<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>Olanzapine (Zyprexa)</p>
<p>Lifestyle interactions:</p>	

(Daily tobacco use, alcohol, drugs, etc.)	
Does any of the client's past medical history 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 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. 2.
How much would medication cost per month if paying out of pocket?	
Drug # 8	Drug Name (Generic): ibuprofen Drug Name (Trade): Advil, Caldolor, Neoprofen

	Drug Class: NSAID Therapeutic Class: analgesic, anti-inflammatory, antipyretic
How is the medication taken: (include dose, route, and frequency)	Capsules, tablets, chewable tablets, oral suspension: Children 6 months and older: 20-40 mg/kg in 3 or 4 divided doses with a maximum 50 mg/kg daily. Children ages 12 and older: 200-400 mg every 4 to 6 hours PRN with a maximum 1.2 g daily. Adults: is most commonly 200-400 mg every 4-6 hours PRN. However, 300 mg x4 daily; 400, 600, 800 mg x3 or x4 daily with a maximum dose of 3.2 g daily can be administered. Chewable tablets, oral suspension: Children ages 2-3 weighing 11 kg-16 kg (24-35 lb): 100 mg every 6-8 hours PRN. Children ages 4-5 weighing 16-21 kg (35-46 lb): 150 mg every 6-8 hours PRN. Children ages 6-8 weighing 22-59 kg (48-59 lb): 200 mg every 6-8 hours PRN.

Children ages 9-10 weighing 27-32 kg (59-70 lb): 250 mg every 6-8 hours PRN.

Children age 11 weighing 33-43 kg (72-95 lb): 300 mg every 6-8 hours PRN.

Oral drops:

Children ages 6-11 months weighing 5.45-7.73 kg (12-17 lb): 50 mg every 6-8 hours PRN.

Children ages 12-23 months weighing 8.18-10.45 kg (18-23 lb): 75 mg every 6-8 hours PRN.

Intravenous infusion (Caldolor):

Children ages 6 months to 12 years old: 10 mg/kg infused over at least 10 minutes every 4-6 hours PRN with a maximum dose of 400 mg/single dose or 40 mg/kg or 2,400 mg daily (whichever is less).

Adolescents: 400 mg infused over at least 10 minutes every 4-6 hours PRN with a maximum dose of 2,400 mg daily.

Adults: 400-800 mg infused over at least 30 minutes every 6 hours PRN with a maximum

	<p>dose of 3,200 mg daily.</p> <p>Intravenous infusion (Neoprofen):</p> <p>Gestational age 32 weeks or less and weighing between 500-1500 g: 10 mg/kg (based on birth weight) followed by 5 mg/kg 24 hours later and 5 mg/kg after second dose infused over 15 minutes.</p>
<p>Specific Directions not included above:</p>	<p>Patients should take with food or after meals with a full glass of water to reduce GI distress, Make sure the patient is in a sitting position for 15-30 minutes to prevent acid reflux. For oral solution and drops, make sure to shake solution well and use a calibrated measuring device before administering dosage. Caldolor should be diluted to final concentration of 4 mg/ml or less using 0.9% normal saline, 5% dextrose, or lactated ringer's. For an 880 mg dose, dilute 8 ml in at least 200 ml of diluent, 400 mg dilute 4 ml in at least 100 ml, 200 mg dilute 2 ml in at least 100 ml of diluent, and 100 mg dilute 1 ml in at least 100 ml of diluent. Diluted solutions may be kept at room temperature for 24 hours and infused at least over 30 minutes for adults and at least 10 minutes for children. Neoprofen does not contain preservatives, so discard any unused portion in the vial. Dilute with 0.9% normal saline or 5% dextrose and</p>

	<p>administer within 30 minutes of preparation. Administer via the I.V. port closest to the insertion site over 15 minutes. Total Parenteral Nutrition is incompatible in the same I.V. line and should be paused for 15 minutes before and after administration.</p>
<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>Donepezil has a minor risk when combined with ibuprofen increasing a possible chance for GI bleeding. Miralax carries a minor risk when combined with ibuprofen. Excessive bowel emptying can lead to an increase of electrolyte loss and dehydration. Ibuprofen can contribute to renal impairment, making the losses more excessive.</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>Drinking alcohol while taking ibuprofen can increase the risk of a GI bleed.</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>Ibuprofen is contraindicated for patients with chronic kidney disease because it can reduce blood flow to the kidneys and causes fluid retention further putting strain on the kidneys.</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</p>	<p>The most likely reason for Caroline to be taking ibuprofen is to relieve pain due to osteoarthritis, a common ailment in women her age. Ibuprofen is also an OTC medication commonly used to treat aches and pains that can vary from day to day.</p>

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. Caroline and her daughter need to be aware that this medication can increase the risk of GI bleeding, especially in elderly, and since Caroline is 78 years old and likes to have a glass of wine every day with lunch, this would increase that likelihood. 2. This medication can increase symptoms of dysphagia after long term use, and Caroline is already on a soft food/thick liquid diet due to difficulty swallowing.
How much would medication cost per month if paying out of pocket?	Ibuprofen is an OTC medication that is definitely on the cheaper side. If she is on this long term and taking it regularly, she can buy a double pack of Walmart brand for \$15.38 containing 1000 tablets. If she took the maximum dose every 6 hours, this would last her almost 3 months. It comes out to almost \$5.50 per month.
Drug # 9	Drug Name (Generic): Drug Name (Trade): Drug Class:
How is the medication taken: (include dose, route, and frequency)	
Specific Directions not included above:	

Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	
Does any of the client's past medical history 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 medication in general)	
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. 2.
How much would medication cost per month if	

paying out of pocket?	
Drug # 10	Drug Name (Generic): Drug Name (Trade): Drug Class:
How is the medication taken: (include dose, route, and frequency)	
Specific Directions not included above:	
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	
Does any of the client's past medical history 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 medication in general)	
What would you teach the client about taking this medication? You must prioritize 2 (see rubric)	1. 2.
How much would medication cost per month if paying out of pocket?	

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

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

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)

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

Reflective Statement of Experience:

References

Nursing Drug Handbook. (2024). Nurses Drug Handbook (2024 ed.). Wolters Kluwer.

N322 Polypharmacy Grading Rubric

Criteria	Excellent	Acceptable	Unacceptable	Points Earned
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	40 points	31-39 points	0-30 points	
<p>Each drug should have a completed breakdown within the tables provided, which includes the following:</p> <ul style="list-style-type: none"> ● 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? (before bed, before breakfast, 30 minutes 	All key components were addressed within the paper.	The student did list some of the medications that required specific directions, however some of the medications included specific directions that were not addressed and/or were inaccurate. (For each medication this question is worth one point)	Student failed to answer the questions and/or the answers were inaccurate. (For each medication this question is worth one point)	___/10

before meals, etc..)				
Criteria	Excellent 0 points	Acceptable 16-19	Unacceptable 0-15 points	Points Earned
<p>Does this medication have any potentially serious interactions with any other medication(s) on this list, and/or potential interactions that should be closely monitored due to co-administration?</p> <ul style="list-style-type: none"> ● 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 medication)</p>	<p>All medications reviewed and student explained medication interactions.</p>	<p>The student did list some of the potential interactions of the medication(s), but failed to address all potential interactions that are serious and/or need close monitoring. (for each medication listed this question is worth two points)</p>	<p>Student failed to answer question and/or The student did list some of the potential interactions of the medication(s), but failed to address all potential interactions that are serious and/or need close monitoring. (for each medication listed this question is worth two points)</p>	<p>___/20</p>

Criteria	Excellent 5 points	Acceptable 4 points		Unacceptable 0-3 points	Points Earned
Lifestyle interactions: ● 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	Average		Unacceptable	Points Earned

	10 points	8-9	0-7 points	
<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
What would you teach the	Student showed the importance of	The student provided some	Student failed to answer the	___/20

<p>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>medication education, and appropriate prioritized client education for the scenario provided.</p>	<p>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>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>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>	<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</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</p>	<p>___/10</p>

<ul style="list-style-type: none"> ● Why would the patient have difficulty maintaining the medication regimen? <p>(Please consider all factors in the scenario and all information provided within your chart - including cost, insurance, frequency of administration, etc)</p>		<p>of the medications (This question is worth one point for each medication)</p>	<p>appropriate reason for some of the medications (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 0-7 points</p>	<p>Points Earned</p>
<p>Is there anything about this medication regimen/ scenario that might assist the client in maintaining the medication regimen as ordered?</p> <ul style="list-style-type: none"> ● What factors are present to remain compliant? <p>(Please consider all factors in the scenario and all information provided within your chart - including cost,</p>	<p>Student had knowledge on medication compliance</p>	<p>The student answered the question appropriately for some of the medications but failed to indicate all of the factors that are present that assist with compliance. (This question is worth one point for each medication)</p>	<p>Student failed to answer the question OR The student answered the question appropriately for some of the medications but failed to indicate all of the factors that are present that assist with compliance. (This question is worth one point for each medication)</p>	<p>___/10</p>

insurance, frequency of administration, etc.				
Criteria	Excellent 15 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 	The document included a title page, the rubric, the client scenario, a reference page which included five references that were cited within the document. APA formatting was consistent with the APA manual.	The document did not meet all of the criteria for formatting/ referencing. See "criteria" to the left for further breakdown.	The document did not meet all of the criteria for formatting/ referencing. See "criteria" to the left for further breakdown.	___/20

<p>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"> ● 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 citation is worth 5 points) 				
<p>Criteria</p>	<p>Excellent</p>	<p>Acceptable</p>	<p>Unacceptable</p>	<p>Points</p>

	20 points	16-19 points	0-15 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>	<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 	<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>	<p>Student failed to reflect on their project OR the student addressed only of the topics of</p>	<p>___/10</p>

<p>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 		<ul style="list-style-type: none"> -insight into the project itself (a specific example within the project and its implications). -A basic understanding of polypharmacy -A reflection on this student nurses role in this scenario as a client advocate/educator/caregiver 	<p>reflection</p>	
<p>Total Points</p>				<p>___/200</p>