

Polypharmacy Project

Claire Guyon, BSN Student

N322 Introduction to Pharmacology

Lakeview College of Nursing

Gina Brassard MSN, RN or Brittany Lawson MSN, RN

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POLYPHARMACY

Polypharmacy Case 4

Background: Gary is a 70-year-old male admitted to the long-term care facility post stroke. He is alert with confusion and has extensive weakness to his right side, as well as profound oropharyngeal dysphagia. Nurses will be administering his medications for him at this time. He is currently oxygen dependent post stroke, prior to this hospitalization he was not using oxygen. You are the nurse completing Gary's admission head to toe assessment and medication reconciliation. Gary smokes one pack a day of cigarettes, does not drink alcohol, and has a history of smoking marijuana.

Insurance: Gary does not have any form of insurance.

Allergies: No known allergies

Diet: Pureed diet. Nectar thick liquids.

Medical diagnosis: dysphagia following stroke, hypertension, anemia, and asthma

Current medications include the following:

Lovenox 40 mg SC daily

Ferrous Sulfate ER 160 mg by mouth daily

Spironolactone 50 mg by mouth twice daily

Losartan 50 mg by mouth once daily

Bisacodyl 10 mg rectally PRN daily

Naproxen sodium 220mg every 12 hours by mouth as needed

Multivitamin with minerals by mouth one daily

Colace 200 mg capsule by mouth twice a day

Benadryl 25 mg by mouth at HS PRN

Citalopram 20 mg by mouth daily

Drug #1 Drug Class: low-molecular-weight heparin, anticoagulant (Jones & Bartlett Learning, 2020)	Drug Name (Generic): enoxaparin Drug Name (Trade): Lovenox (Jones & Bartlett Learning, 2020)
How is the medication taken: (include dose, route, and frequency)?	Subcutaneously, daily, 40 mg
Specific Directions not included above:	Starting 2 hours before surgery and lasting 7 to 10 days Do not mix enoxaparin with other I.V. fluids or drugs. (Jones & Bartlett Learning, 2020)
Does this medication interact with any other	Naproxen: increased risk of bleeding complications.

medication(s) on this list? (see rubric for further instruction)	<p>Spirolactone: may increase the potassium levels in the blood (hyperkalemia).</p> <p>Losartan: May increase the potassium level in the blood (hyperkalemia).</p> <p>Citalopram: increased risk of bleeding combinations.</p> <p>(Drug interaction report, n.d.)</p>
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	There are no lifestyle interactions for this medication.
Does any of the client's past medical history contradict the use of this medication?	<p>Hypertension: a person diagnosed with hypertension should be cautious due to the risk of the hemorrhage.</p> <p>(Drugs.com, n.d.)</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>To prevent DVT in medical patients who are at risk for thromboembolic complications due to severely restricted mobility during acute illnesses. He has extensive weakness to his right side due to recent stroke.</p> <p>(Jones & Bartlett Learning, 2020)</p>
What would you teach the client about taking this medication?	<p>Notify the provider about adverse reactions especially bleeding. Inform them that taking NSAIDs may increase the risk for bleeding.</p> <p>Instruct the patient to seek immediate attention for evidence for thromboembolism such as</p>

	neurological changes and severe shortness of breath. Also teach to report any unusual bleeding, bruising, or rash of dark spots under the skin to provider. (Jones & Bartlett Learning, 2020)
How much would medication cost per month if paying out of pocket?	\$65.00 -0.4ml prefilled syringes (10 syringes per box) times 3 for a month's supply of enoxaparin is \$195. (Enoxaparin, n.d.)

Drug #2	Drug Name (Generic): ferrous sulfate ER
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Drug Class: Hematinic (Jones & Bartlett Learning, 2020)	Drug Name (Trade): Fer-In-Sol (Jones & Bartlett Learning, 2020)
How is the medication taken: (include dose, route, and frequency)?	160 mg, orally, daily
Specific Directions not included above:	This medication cannot be crushed therefore this patient will not be able to take this medication. Avoid drinking coffee or tea 1 hour before taking this medication. (Jones & Bartlett Learning, 2020)
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	No interactions with any other medications.
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	There are no lifestyle interactions for this medication.
Does any of the client's past medical history contradict the use of this medication?	Dysphagia: this patient will not be able to take this medication because this is an extended-release pill and you cannot crush these medications. The nurse will need to call the doctor and

	figure out what will be the best for this patient.
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 prevent iron deficiency based on recommended daily allowances. (Jones & Bartlett Learning, 2020)
What would you teach the client about taking this medication?	Inform the patient that stool should become dark green or black during therapy. Advise her to notify provider if it does not. Urge patient to avoid foods that impair iron absorption, including dairy products, eggs, spinach, and high-fiber foods, such as whole grain breads and cereal bran. Also advise her to avoid drinking coffee or tea within 1 hour of iron intake. (Jones & Bartlett Learning, 2020)
How much would medication cost per month if paying out of pocket?	Slow Iron 50 mg (160 mg) Compare to Slow Fe®, 60 Tablets for \$6.69 <i>(Slow Iron 50mg, 2021)</i>

<p>Drug #3</p> <p>Drug Class: potassium sparing diuretic (Jones & Bartlett Learning, 2020)</p>	<p>Drug Name (Generic): spironolactone</p> <p>Drug Name (Trade): Aldactone (Jones & Bartlett Learning, 2020)</p>
<p>How is the medication taken: (include dose, route, and frequency)?</p>	<p>50 mg, orally, twice daily</p>
<p>Specific Directions not included above:</p>	<p>50 to 100 mg daily as a single dose or in divided doses for at least 2 weeks; gradually adjusted every 2 weeks as needed, to control blood pressure (Jones & Bartlett Learning, 2020)</p>
<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>Losartan: may increase the potassium levels in the blood (hyperkalemia).</p> <p>Naproxen: blood pressure and kidney functions need to be monitored and drink plenty of water.</p> <p>Diphenhydramine: May have effects in lowering you blood pressure.</p> <p>Bisacodyl: May increase the risk of dehydration and electrolyte imbalances. This could cause heart dysrhythmias in severe cases.</p>

	<p>Enoxaparin: may increase the potassium levels in the blood (hyperkalemia).</p> <p>Citalopram: may cause sodium levels to decrease (hyponatremia).</p> <p>(Drug interaction report, n.d.)</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>There are no lifestyle interactions for this medication.</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>This patient has dysphagia and needs the pills to be crushable. This medication can be crushed.</p>
<p>What is the indication for use of this medication based on the clients past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</p>	<p>To treat hypertension</p> <p>(Jones & Bartlett Learning, 2020)</p>
<p>What would you teach the client about taking this medication?</p>	<p>Teach patient who takes spiro lactone for hypertension how to measure his blood pressure.</p> <p>Urge him to monitor it regularly and report pressure greater than 140 mm Hg systolic or 90 Hg diastolic to prescriber.</p> <p>Instruct the patient to take spiro lactone with meals or milk.</p>

	(Jones & Bartlett Learning, 2020)
How much would medication cost per month if paying out of pocket?	50 mg tablets/30 count tabs for \$21.27 (<i>Spirolactone</i> , n.d.)

Drug #4 Drug Class: Angiotensin II Receptor (ARB) (Jones & Bartlett Learning, 2020)	Drug Name (Generic): losartan Drug Name (Trade): Cozaar (Jones & Bartlett Learning, 2020)
How is the medication taken: (include dose, route, and frequency)?	50 mg, orally, daily
Specific Directions not included above:	This medication is going to need to be crushed and mixed with applesauce or pudding.
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Spironolactone: may increase the potassium levels in the blood (hyperkalemia). Naproxen: blood pressure and kidney functions need to be monitored and drink plenty of water. Diphenhydramine: may have effects in lowering your blood pressure. Enoxaparin: may increase the potassium levels in the blood (hyperkalemia).

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	(Drug interaction report, n.d.)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	Avoid eating potassium containing salt substitutes. It can cause high levels of potassium in your body. (Jones & Bartlett Learning, 2020)
Does any of the client’s past medical history contradict the use of this medication?	Dysphagia: This patient has dysphagia and needs the pills to be crushable. This medication can be crushed.
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 manage hypertension (Jones & Bartlett Learning, 2020)
What would you teach the client about taking this medication?	Instruct the patient too tell the provider of all medications including over the counter medications and watch using potassium sparing diuretics and NSAIDs. Instruct the patient to avoid potassium sparing salt substitutes because it may increase the risk of hyperkalemia. (Jones & Bartlett Learning, 2020)
How much would medication cost per month if	50mg tabs for 30 tabs \$13.15

paying out of pocket?	(Losartan, n.d.)
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Drug #5	Drug Name (Generic): bisacodyl
Drug Class: Laxative (Jones & Bartlett Learning, 2020)	Drug Name (Trade): Ducolar (Jones & Bartlett Learning, 2020)
How is the medication taken: (include dose, route,	10mg, rectally, daily, PRN

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and frequency)?	
Specific Directions not included above:	There are no specific directions for this medication.
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	Spirolactone: May increase the risk of dehydration and electrolyte abnormalities. Citalopram: can cause irregular heart rhythms and may be serious and potentially life-threatening. This is rare side effects. (Drug interaction report, n.d.)
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	There are no lifestyle interactions for this drug.
Does any of the client's past medical history contradict the use of this medication?	There is no past medical history that will interact with 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)	To help treat constipation (Jones & Bartlett Learning, 2020)
What would you teach the client about taking this medication?	Call your provider if you do not have any stool after 7 days of using this medication.

	Do not take the rectal suppository by mouth. (Jones & Bartlett Learning, 2020)
How much would medication cost per month if paying out of pocket?	16 tablets for \$20.79 (<i>Bisacodyl</i> , n.d.)

Drug #6	Drug Name (Generic): naproxen sodium
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<p>Drug Class: NSAID, Analgesic (Jones & Bartlett Learning, 2020)</p>	<p>Drug Name (Trade): Aleve (Jones & Bartlett Learning, 2020)</p>
<p>How is the medication taken: (include dose, route, and frequency)?</p>	<p>220 mg, every 12 hours, orally, PRN</p>
<p>Specific Directions not included above:</p>	<p>This medication is going to need to be crushed and mixed with applesauce or pudding.</p>
<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>Enoxaparin: increases the risk for bleeding. Spirinolactone: blood pressure and kidney functions may need to be monitored and drink plenty of water. Losartan: may reduce the effects of losartan in lowering the blood pressure. Citalopram: may increase the risk of bleeding. (Drug interaction report, n.d.)</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>Smoking: increased risk of naproxen induced GI ulceration and bleeding. (ScriptSave WellRx, 2021)</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>Dysphagia: this medication is going to need to be crushed and mixed with pudding or applesauce due to the fact this patient cannot swallow well. Hypertension: risk for fluid retention and edema Asthma: cross sensitivity with patients allergic to aspirin and NSAIDs. A person that is</p>

	<p>allergic to aspirin should not take NSAIDs.</p> <p>Anemia: risk for decreased hemoglobin and hemocrit</p> <p>(Drugs.com, n.d.)</p>
<p>What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</p>	<p>To relieve fever and mild to moderate musculoskeletal inflammation or pain</p> <p>(Jones & Bartlett Learning, 2020)</p>
<p>What would you teach the client about taking this medication?</p>	<p>Explain naproxen may increase the risk of serious adverse cardiovascular reactions; urge to seek medical attention if signs and symptoms such as chest pain, edema, shortness of breath, slurring of speech, unexplained weight gain and weakness.</p> <p>Naproxen may increase the risk of GI reactions stress the importance of seeking medical attention for signs and symptoms such as abdominal, epigastric pain, black tarry stools, indigestion, or vomiting blood or material that looks like coffee ground emesis.</p> <p>(Jones & Bartlett Learning, 2020)</p>
<p>How much would medication cost per month if paying out of pocket?</p>	<p>220 mg tablets/ 40 tablets for \$14.39</p> <p>(<i>Naproxen</i>, n.d.)</p>

Drug #7 Drug Class: vitamins (Drugs.com, n.d.)	Drug Name (Generic): multivitamin with minerals Drug Name (Trade): Berocca Plus (Drugs.com, n.d.)
How is the medication taken: (include dose, route, and frequency)?	One daily, orally

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Specific Directions not included above:	This medication is going to need to be crushed and mixed with applesauce or pudding.
Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)	No interactions with other drugs.
Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)	No lifestyle interactions for this multivitamin.
Does any of the client’s past medical history contradict the use of this medication?	Dysphagia: we will have to crush this multivitamin will have to be crushed.
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)	The patient is unable to swallow very well so we want to make sure he is getting all of the necessary vitamins and minerals. (Drugs.com, n.d.)
What would you teach the client about taking this medication?	Do not take more than recommended dosage. Do not take with milk or other dairy products, calcium supplements, or antacids that contains calcium.

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	(Drugs.com, n.d.)
How much would medication cost per month if paying out of pocket?	20 count tablets for \$21.79 (Drugs.com, n.d.)

Drug #8	Drug Name (Generic): docusate sodium
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<p>Drug Class: Laxative (Jones & Bartlett Learning, 2020)</p>	<p>Drug Name (Trade): Colace (Jones & Bartlett Learning, 2020)</p>
<p>How is the medication taken: (include dose, route, and frequency)?</p>	<p>200mg capsule, orally, twice a day</p>
<p>Specific Directions not included above:</p>	<p>The nurse will have to open the capsule and mix with pudding or applesauce due to the fact he is on a pureed, nectar thick diet.</p>
<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>There are no medication interactions with other medications the patient is taking.</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>There are no lifestyle interactions for this medication.</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>Dysphagia: the capsule is going to need to be opened and mixed in with applesauce or pudding due to the fact the patient cannot swallow well.</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>To treat constipation (Jones & Bartlett Learning, 2020)</p>

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medication in general)	
What would you teach the client about taking this medication?	Tell patient not to use docusate when they have abdominal pain, nausea, or vomiting. Advise the patient to take docusate with a full glass of milk or water. Also advise them to increase the fiber in their diet and try to drink 6-8 glasses of water a day. (Jones & Bartlett Learning, 2020)
How much would medication cost per month if paying out of pocket?	100mg capsules/ 60 count is \$25.21 (Drugs.com, n.d.)

<p>Drug #9</p> <p>Drug Class: antihistamine</p> <p>(Jones & Bartlett Learning, 2020)</p>	<p>Drug Name (Generic): diphenhydramine hydrochloride</p> <p>Drug Name (Trade): Benadryl</p> <p>(Jones & Bartlett Learning, 2020)</p>
<p>How is the medication taken: (include dose, route, and frequency)?</p>	<p>25mg, orally, PRN</p>
<p>Specific Directions not included above:</p>	<p>This is to be taken HS. This also needs to be crushed and mixed with applesauce or pudding.</p>
<p>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</p>	<p>Spirolactone: may have effects in lowering your blood pressure.</p> <p>Losartan: may have effects in lowering your blood pressure.</p> <p>Citalopram: may increase the side effects of drowsiness, dizziness, confusion, and difficulty concentrating.</p> <p>(Drug interaction report, n.d.)</p>
<p>Lifestyle interactions:</p> <p>(Daily tobacco use, alcohol, drugs, etc.)</p>	<p>There are no lifestyle interactions for this medication.</p>
<p>Does any of the client's past medical history contradict the use of this medication?</p>	<p>Dysphagia: This medication will have to be crushed and put into applesauce or pudding due to the fact he cannot swallow well.</p> <p>Asthma: may reduce the volume and cause thickening of bronchial secretions, resulting in</p>

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	<p>obstruction of respiratory tract.</p> <p>Hypertension: may cause cardiac adverse effects due to the anticholinergic effects.</p> <p>(Drugs.com, n.d.)</p>
<p>What is the indication for use of this medication based on the client's past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</p>	<p>To treat sleep disorders</p> <p>(Jones & Bartlett Learning, 2020)</p>
<p>What would you teach the client about taking this medication?</p>	<p>Advise them to take the medication with food to minimize GI upset.</p> <p>Caution patient to avoid hazardous activities until CNS effects are known.</p> <p>(Jones & Bartlett Learning, 2020)</p>
<p>How much would medication cost per month if paying out of pocket?</p>	<p>25mg tablets/30 tablets for \$9.53</p> <p>(Drugs.com, n.d.)</p>

<p>Drug #10</p> <p>Drug Class: selective serotonin reuptake inhibitors (SSRI)</p> <p>(Jones & Bartlett Learning, 2020)</p>	<p>Drug Name (Generic): citalopram hydrobromide</p> <p>Drug Name (Trade): Celexa</p> <p>(Jones & Bartlett Learning, 2020)</p>
<p>How is the medication taken: (include dose, route, and frequency)?</p>	<p>20mg, orally, daily</p>
<p>Specific Directions not included above:</p>	<p>This drug is going to need to be crushed up and put into applesauce or pudding.</p>
<p>Does this medication interact with any other medication(s) on this list? (see rubric for further</p>	<p>Naproxen: may increase the risk of bleeding.</p> <p>Diphenhydramine: may increase the side effects such as drowsiness, dizziness, confusion, and</p>

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<p>instruction)</p>	<p>difficulty concentration.</p> <p>Spirolactone: may cause sodium levels to become too low (hyponatremia).</p> <p>Bisacodyl: can cause an irregular heart rhythm that may be serious and life threatening. It is rare.</p> <p>Enoxaparin: may increase the risk of bleeding.</p> <p>(Drug interaction report, n.d.)</p>
<p>Lifestyle interactions: (Daily tobacco use, alcohol, drugs, etc.)</p>	<p>There are no lifestyle interactions for this drug.</p>
<p>Does any of the client’s past medical history contradict the use of this medication?</p>	<p>Dysphagia: This medication will have to be crushed and mixed with applesauce or pudding due to the fact that this patient cannot swallow well.</p>
<p>What is the indication for use of this medication based on the client’s past medical history? (If unable to determine an indication based on past medical history, please list potential indications for use of the medication in general)</p>	<p>To treat depression</p> <p>(Jones & Bartlett Learning, 2020)</p>
<p>What would you teach the client about taking this medication?</p>	<p>Caution patients to not stop this medication abruptly because it may cause serious adverse</p>

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	<p>reactions.</p> <p>Make sure to inform the patient that this medication can take up to 4 weeks to become fully effective.</p> <p>(Jones & Bartlett Learning, 2020)</p>
<p>How much would medication cost per month if paying out of pocket?</p>	<p>20mg tablets/30 count are \$12.86 (Drugs.com, n.d.)</p>

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

This patient has dysphagia after having a stroke with that he now has to have a pureed diet and have his liquids be nectar thick to help make he can swallow these. This can be hard for him and so making sure to get all of his medication could most definitely will be a hard task. We do not want him to aspirate while taking these medications so taking them slow and taking his time is a must. Also, this patient does not have insurance so there may be a problem with keeping up with all the prices of his medications. He is in a nursing home so hopefully he will be able to get some help paying for his medications and stay at the facility but it is not cheap.

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

In the scenario it states that this patient is newly admitted to the long-term care facility. This patient has had a recent stroke and has right sided weakness with this said this patient will have the help from the nurses and CNAs in the facility to help do activities of daily living and also making sure that he takes his medication at the right time as well as his PRN medications. Having the nurses help with making sure he takes his medications at the right time and also helping him be able to crush up his medications for him. He has right sided weakness so he is going to have little or no way to crush his medications so having the nurse there to help is going to help and keep his medication regimen up.

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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)

I would suggest that to help prevent sleeping disorders instead of using diphenhydramine (Benadryl) I would suggest we use something more natural like melatonin. Diphenhydramine (Benadryl) has multiple drug interactions with other drugs I think that melatonin would be a safer more natural way to help this patient get some sleep. This patient has dysphagia due to his recent stroke. He has a medication, ferrous sulfate ER, that is an extended-release pill that is not able to be crushed. I would suggest instead of doing an extended-release pill maybe just do a normal iron pill and then take it 2 times a day. Once in the morning and once in the evening. I would also suggest that this patient could probably go without one of the laxatives he has 2 laxatives ordered and his body can become reliant on those laxatives to be able to move stool throughout the body. Maybe try and ease his way off of those medications.

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

This patient's total for all 10 medications in a month is \$340.68.

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Reflective Statement of Experience: This project has been very eye opening. I really got to go deep into each medication and really understand the way they work and also how many different interactions there are for each drug. There are so many interactions between these medications. I didn't realize how many interactions there are with each medication. I know understand when you go to the doctor, they always ask what medications you are currently taking I now know that this question is very important so that they don't prescribe you something that interacts terribly with the other medications you are taking. It is also very important that patients make sure and tell the doctor and/or nurse what all medications they are taking including over the counter medications. The nurses are most likely going to catch the medications to interact with other medications. They are going to advocate for the patient and make sure there are no interactions with the patients' medications and if there is they will call the doctor and make sure the doctor knows about the interactions and what he would like to do about this interaction. The nurse's role is huge in keeping an eye on the medications and making sure that everything is being administered correctly.

References

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N322 Polypharmacy Rubric

You will be given a scenario about your client with a list of medications. You will make sure your client is taking medications correctly, educate them on educations, and look for contradictions, costs, over the counter lifestyle factors & compliance with medications.

Please address all rubric items. Please include a reflection of your experience. You may place drugs in each separate paragraph or in a table. You must cite your source for each paragraph or table.

N322 Polypharmacy Grading Rubric

Criteria	Excellent 40 points	Acceptable 31-39 points	Unacceptable 0-30 points	Points Earned
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<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 <ul style="list-style-type: none"> • How is the medication taken (include dose, route, frequency) 	<p>All key components were addressed within the paper and were accurate.</p>	<p>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)</p>	<p>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)</p>	<p>___/40</p>
<p>Criteria</p>	<p>Excellent 10 points</p>	<p>Acceptable 8-10 points</p>	<p>Unacceptable 0 - 7 points</p>	<p>Points Earned</p>
<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 before meals, etc..) 	<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>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</p>	<p>All medications reviewed and student explained</p>	<p>The student did list some of the potential interactions of the medication(s), but failed to address all potential</p>	<p>Student failed to answer question and/or The student did list some of the potential</p>	<p>___/20</p>

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<p>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>medication interactions.</p>	<p>interactions that are serious and/or need close monitoring. (for each medication listed this question is worth two points)</p>	<p>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>	
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Criteria	Excellent 5 points	Acceptable 4 points	Unacceptable 0 -3 points	Points Earned
<p>Lifestyle interactions:</p> <ul style="list-style-type: none"> What lifestyle factors counteract with the medications? <p>(tobacco user, ETOH use - 3 beers daily)</p>	<p>Student showed knowledge why lifestyle would counteract with medications</p>	<p>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)</p>	<p>Student failed to answer question or the student listed lifestyle interactions for some of the medications, but not all and/or the interactions</p>	<p>___/5</p>

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			listed were not priority or were incorrect. (For each medication, this question is worth half a point)	
Criteria	Excellent 10 points	Average 8-9	Unacceptable 0-7 points	Points Earned
<ul style="list-style-type: none"> Does any of the client's past medical history contradict the use of this medication? 	Student showed knowledge why the client's past medical history would contradict the use of the medication(s).	Student provided answers to the question(s), but failed to answer all the questions and/or the answers provided were inaccurate. (For each medication this question is worth one point)	Student failed to answer question or Student provided answers to the question(s), but failed to answer all the questions and/or the answers provided were inaccurate. (For each medication this question is worth one point)	___/10
Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0-7 points	Points Earned
<ul style="list-style-type: none"> What is the indication for use of this medication based on the 	Student showed knowledge of medications and what	The student provided appropriate indications for some of the medications, but failed to capture all of the	Student failed to answer the question or The student provided	___/10

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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)	conditions corresponds with medications	appropriate indications for use. (For each medication this question is worth one point)	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)	
Criteria	Excellent 20 points	Acceptable 16-19 points	Unacceptable 0-15 points	Points Earned
<p>What would you teach the client about taking this medication?</p> <ul style="list-style-type: none"> What education is needed for the 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)</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

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medication)				
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>	Student had knowledge on why a patient would have difficulty with medication regiment	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)	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)	___/10
Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0-7 points	Points Earned
<p>Is there anything about this medication regimen/ scenario that might assist the client in maintaining the medication regimen as ordered?</p> <ul style="list-style-type: none"> What factors are present to remain 	Student had knowledge on medication compliance	The student answered the question appropriately for some of the medications but failed to indicate all of the factors that are present that assist with compliance. (This question is worth one point for each medication)	Student failed to answer the question OR The student answered the question appropriately for some of the	___/10

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compliant? (Please consider all factors in the scenario and all information provided within your chart - including cost, insurance, frequency of administration, etc.)			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)	
Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0 points	Points Earned
<ul style="list-style-type: none"> How much would this medication cost per month if the patient were to pay for them out of pocket? (best assessment based off of research) <ul style="list-style-type: none"> 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 provide 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 provide 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
The student must appropriately format the	The document included a title	The document did not meet all of the criteria for	The document did not meet all	___/20

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<p>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) <ul style="list-style-type: none"> The paper included a minimum of five references which were cited within the document (each reference with one citation is worth 5 points) 	<p>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>formatting/ referencing. See "criteria" to the left for further breakdown.</p>	<p>of the criteria for formatting/ referencing. See "criteria" to the left for further breakdown.</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</p>	<p>The student was able to identify one potential idea or question to</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</p>	<p>The student failed to answer the question OR the student answered the</p>	<p>____/20</p>

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

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Total Points				<u> </u> /200