

Polypharmacy Project

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N322 Introduction to Pharmacology

Lakeview College of Nursing

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**Polypharmacy Case 1**

Patient: Jerry is an 88 year old male who lives with his spouse Clara in an independent living facility. They have two children that live nearby and assist them as needed. Jerry's dementia has been progressing recently. He frequently forgets what medication he has taken, and his children want him admitted to a long-term care: as the assisted living facility he lives in does not provide medication administration services. Jerry refuses to move to an assisted living facility – and has not been deemed incapable of making his own decisions, thus he will remain in assisted living.

Social history: Both he and his wife have Medicare and social security.

Medical history: Dementia, hypertension, chronic kidney disease, hyperlipidemia, chronic anemia, rheumatoid arthritis

Allergies: Lisinopril, Sulfa, latex                      Wt 250 pounds   Ht 6ft 4in

#### Medications:

Rivastigmine 6 mg by mouth twice daily

Enalapril 10mg PO BID

Fenofibrate 145mg PO Daily

Oxycodone 2.5mg Q6H PRN

Miralax packet 17 G mixed with juice/water every morning

Prednisone 10mg PO every day Fenofibrate could interact with prednisone because it can increase the risk of nephrotoxicity.

Alprazolam 0.5 mg po TID PRN Oxycodone will interact with alprazolam (benzodiazepine) and will increase the risk of severe respiratory depression and significant sedation and somnolence.

Aranesp 0.45mcg/kg SUBQ every 4 weeks

Ferrous Sulfate 325mg PO Daily

Paroxetine 20mg PO Daily Oxycodone will interact with paroxetine (SSRI) and increases the risk of serotonin syndrome.

**Drug #1 (p.981)**

**Drug Name (Generic): Rivastigmine**

	<p><b>Drug Name (Trade): Exelon</b></p> <p><b>Drug Class: Anti-dementia/Cholinergic</b></p>
<p><b>How is the medication taken: (include dose, route, and frequency)</b></p>	<p>6 mg twice a day by mouth.</p>
<p><b>Specific Directions not included above:</b></p>	<p>Taken with morning and evening meals. If the patient misses a dose, they must take the dose as soon as they remember unless it's almost time for the next dose. If it's almost the next dose, skip the missed dose and continue the regular dosing schedule. Do not double dose to make up for the missed dose (Jones &amp; Bartlett Learning, 2020).</p>
<p><b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b></p>	<p>No interactions with other prescribed medications.</p>
<p><b>Lifestyle interactions:</b></p> <p><b>(Daily tobacco use, alcohol, drugs, etc. )</b></p>	<p>No lifestyle interactions.</p>
<p><b>Does any of the client's past medical history</b></p>	<p>The client has a history of dementia which can impede his ability to remember when and if he</p>

<b>contradict the use of this medication?</b>	took his 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 is to treat the symptoms of dementia that the patient has been diagnosed with.
<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. The medication will only slow the deterioration of memory, but not cure dementia.</li> <li>2. Ensure the medication is taken with food and at the directed times (Jones &amp; Bartlett Learning, 2020).</li> </ol>
<b>How much would medication cost per month if paying out of pocket?</b>	\$234 per month for this patient ("Good Price Search", n.d.).

<b>Drug #2</b>	<b>Drug Name (Generic): Enalapril maleate</b>  <b>Drug Name (Trade): Epaned, Vasotec</b>
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	<b>Drug Class: Antihypertensive vasodilator/Dicarbocyl-containing ACE inhibitor</b>
<b>How is the medication taken: (include dose, route, and frequency)</b>	10 mg twice a day by mouth.
<b>Specific Directions not included above:</b>	Must be taken at the same time each day, even if the patient is feeling well. Take any missed doses as soon as remembered, but do not take double doses. Avoid salt substitutes containing potassium or fluids with high levels of sodium and potassium (Jones & Bartlett Learning, 2020).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	No interactions with other prescribed medications.
<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 client has a history of chronic kidney disease which should be monitored closely when taking enalapril. The client is also allergic to lisinopril, another ACE inhibitor, and should not use another ACE inhibitor because he may have the same reaction (Jones & Bartlett Learning,

	2020).
<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 medication is prescribed to treat the client's diagnosis of hypertension.
<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. The client should take the medication at the same time every day.</li> <li>2. The client should talk to his prescriber before using potassium supplements, salt substitutes, and other drugs (including OTC drugs) while taking enalapril maleate (Jones &amp; Bartlett Learning, 2020).</li> </ol>
<b>How much would medication cost per month if paying out of pocket?</b>	\$48 per month for this patient ("Good Price Search", n.d.).
<b>Drug #3</b>	<b>Drug Name (Generic): Fenofibrate</b>  <b>Drug Name (Trade): Antara, Fenoglide, Lipofen, Lofibra, Tricor, Triglide</b>  <b>Drug Class: Fibrate/Antilipemic</b>

<b>How is the medication taken: (include dose, route, and frequency)</b>	145 mg once a day by mouth.
<b>Specific Directions not included above:</b>	The medication should be taken with food and the client should follow the prescriber's directions on diet and exercise. Do not crush, chew, or split the tablets when taking medication (Jones & Bartlett Learning, 2020).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	Fenofibrate could interact with prednisone because immunosuppressants with fenofibrate can increase the risk of nephrotoxicity (Jones & Bartlett Learning, 2020).
<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 client has chronic renal disease and severe renal impairment is a contraindication of the medicine (Jones & Bartlett Learning, 2020).
<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>	This medication is being used to treat the client's diagnosis of hyperlipidemia.

<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>	<ol style="list-style-type: none"> <li>1. The client needs to wear protective clothing and sunscreen when in the sun and to limit time spent in the sun due to photosensitivity from the medication.</li> <li>2. The client will need to have laboratory tests done to determine the drug's effectiveness (Jones &amp; Bartlett Learning, 2020).</li> </ol>
<b>How much would medication cost per month if paying out of pocket?</b>	\$85 per month for this patient ("Good Price Search", n.d.).
<b>Drug #4</b>	<p><b>Drug Name (Generic): Oxycodone</b></p> <p><b>Drug Name (Trade): Xtampza ER</b></p> <p><b>Drug Class: Opioid/Opioid analgesic</b></p>
<b>How is the medication taken: (include dose, route, and frequency)</b>	2.5 mg by mouth every 6 hours as needed with pain.
<b>Specific Directions not included above:</b>	The client should not break, chew, or crush the tablets because it leads to rapid release and absorption of a potentially fatal dose. The medication should be taken with food (Jones &

	Bartlett Learning, 2020).
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	Oxycodone will interact with paroxetine (SSRI) and increases the risk of serotonin syndrome. Oxycodone will interact with alprazolam (benzodiazepine) and will increase the risk of severe respiratory depression and significant sedation and somnolence (Jones & Bartlett Learning, 2020).
<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>	No past medical history contraindications.
<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 medication is to treat the pain from the client's diagnosis of rheumatoid arthritis.
<b>What would you teach the client about taking this</b>	<b>1.</b> Do not take oxycodone more often than prescribed.

<b>medication? You must prioritize 2 (see rubric)</b>	2. Do not presoak, lick, or otherwise wet the extended-release tablet prior to taking medication (Jones & Bartlett Learning, 2020).
<b>How much would medication cost per month if paying out of pocket?</b>	\$16.84 per month for this patient (“Good Price Search”, n.d.).
<b>Drug # 5</b>	<b>Drug Name (Generic): polyethylene glycol 3350</b>  <b>Drug Name (Trade): MiraLax, GlycoLax</b>  <b>Drug Class: Laxatives</b>
<b>How is the medication taken: (include dose, route, and frequency)</b>	17 G mixed with juice/water
<b>Specific Directions not included above:</b>	Take every morning
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	No interactions with prescribed medicine.
<b>Lifestyle interactions:</b>	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>	No past medical history contraindications.
<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>	Bowel management and the patient is prescribed oxycodone which is an opioid that can cause constipation.  (Sanoski & Lucero, 2021)
<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. Advise patients to notify health care professionals if unusual cramps, bloating, or diarrhea occurs.</li> <li>2. Prolonged, or frequent use could result in electrolyte imbalances and laxative dependence.</li> </ol> (Sanoski & Lucero, 2021)
<b>How much would medication cost per month if paying out of pocket?</b>	\$12.89 per month for this patient (“Good Price Search”, n.d.).

<b>Drug # 6</b>	<b>Drug Name (Generic): Prednisone</b>  <b>Drug Name (Trade): Deltasone Liquid Prep, Meticorten, Orasone 1, Orasone 5, Orasone 10, Prednisone-M, Prednicot, Prednisone Intensol, Rayos, Sterapred DS</b>  <b>Drug Class: Glucocorticoid, Anti-inflammatory, immunosuppressant</b>
<b>How is the medication taken: (include dose, route, and frequency)</b>	10 mg by mouth
<b>Specific Directions not included above:</b>	The patient should take this daily.
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	Prednisone could interact with fenofibrate because it can increase the risk of nephrotoxicity (Jones & Bartlett, 2020).
<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>	No past medical history complications.

<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>The patients diagnosis of rheumatoid arthritis (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. Monitor patients potassium, glucose, and weight.</li> <li>2. Contact provider if black/tarry stools, slow wound healing, blurred vision, bruising or bleeding, weight gain, and emotional changes happen.</li> </ol>
<p><b>How much would medication cost per month if paying out of pocket?</b></p>	<p>\$5.18 per month for this patient ("Good Price Search", n.d.).</p>
<p><b>Drug # 7</b></p>	<p><b>Drug Name (Generic): Alprazolam</b></p> <p><b>Drug Name (Trade): Xanax</b></p> <p><b>Drug Class: Benzodiazepine, Anti Anxiety, Antipanic</b></p>
<p><b>How is the medication taken: (include dose, route, and frequency)</b></p>	<p>0.5 mg, by mouth, TID PRN</p>

<b>Specific Directions not included above:</b>	Patient can only take up to three times a day.
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	Oxycodone will interact with alprazolam (benzodiazepine) and will increase the risk of severe respiratory depression and significant sedation and somnolence (Jones & Bartlett, 2020).
<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>	No past medical history complications.
<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>	Decreases anxiety, depression, panic attacks, as well as patients with dementia who exhibit agitation.  (Jones & Bartlett, 2020).
<b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b>	<b>1.</b> Warn the patient against stopping medication abruptly, it can result in withdrawal symptoms.

	<p><b>2.</b> Warn the patient not to consume alcohol or take an opioid during alprazolam treatment without prescriber knowledge, as severe respiratory depression can occur and may lead to death.</p> <p>(Jones &amp; Bartlett, 2020).</p>
<b>How much would medication cost per month if paying out of pocket?</b>	\$19.60 per month for this patient (“Good Price Search”, n.d.).
<b>Drug # 8</b>	<p><b>Drug Name (Generic): Darbepoetin</b></p> <p><b>Drug Name (Trade): Aranesp</b></p> <p><b>Drug Class: Antianemics</b></p>
<b>How is the medication taken: (include dose, route, and frequency)</b>	0.45 mcg/kg SUBQ every 4 weeks
<b>Specific Directions not included above:</b>	Discuss ways to prevent seizures if the patient is at risk. The patient should stop darbepoetin and notify the provider if signs and symptoms of an allergic reaction occur (rash, pruritus, shortness of breath, wheezing.)

	(Sanoski & Lucero, 2021)
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	No drug interaction.
<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>	Use cautiously in hematologic diseases.  (Sanoski & Lucero, 2021)
<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>	Anemia that is associated with chronic kidney disease.  (Sanoski & Lucero, 2021)
<b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b>	<b>1.</b> Discuss the importance of compliance with dietary restrictions and medications. The patient must eat foods high in iron and low in potassium (liver, pork, veal, beef, green

	<p>veggies, etc.)</p> <p>2. The patient should be educated on how to control hypertension because it is contraindicated in this medication if not controlled.</p> <p>(Sanoski &amp; Lucero, 2021)</p>
<b>How much would medication cost per month if paying out of pocket?</b>	\$1,924.79 per month for this patient (“Good Price Search”, n.d.).
<b>Drug # 9</b>	<p><b>Drug Name (Generic): Ferrous Sulfate</b></p> <p><b>Drug Name (Trade): Apo-Ferrous Sulfate, ED-IN-SOL, Fe50, Feosol, Fer-gen-sol, Fer-In-Sol, Fer-iron, Fero-Grad, Novoferrosulfa, PMS Ferrous Sulfate, Slow FE</b></p> <p><b>Drug Class: Antianemic, iron supplement</b></p>
<b>How is the medication taken: (include dose, route, and frequency)</b>	325 mg by mouth daily
<b>Specific Directions not included above:</b>	Administer medication one hour before or two hours after meals. Take capsules with a glass full of water and do not crush or chew enteric-coated tablets or capsules. Avoid using antacids, coffee, tea, dairy products, eggs, or whole-grain bread with or within one hour of

	administration.  (Sanoski & Lucero, 2021)
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	No interactions with other prescribed medications.
<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 client's past medical history does not contradict 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>	Treatment and prevention of iron deficiency anemia.  (Sanoski & Lucero, 2021)
<b>What would you teach the client about taking this</b>	<b>1.</b> Educate the patient that stools may become dark green or black.

<b>medication? You must prioritize 2 (see rubric)</b>	<p>2. Encourage the patient to comply with the medication regimen. Take the missed dose as soon as remembered within 12 hours; otherwise, return to the regular dosing schedule. DO NOT double doses.</p> <p>(Sanoski &amp; Lucero, 2021)</p>
<b>How much would medication cost per month if paying out of pocket?</b>	\$8.74 per month for this patient (“Good Price Search”, n.d.).
<b>Drug # 10</b>	<p><b>Drug Name (Generic): PARoxetine</b></p> <p><b>Drug Name (Trade): Paxil, Paxil CR, Brisdelle, Paxeva</b></p> <p><b>Drug Class: Antianxiety/Antidepressants/selective serotonin reuptake inhibitors (SSRIs)</b></p>
<b>How is the medication taken: (include dose, route, and frequency)</b>	20 mg by mouth daily
<b>Specific Directions not included above:</b>	Take missed doses as soon as possible and return to regular dosing. DO NOT double dose and consult a health care provider before stopping the medication. Abrupt withdrawal may cause

	dizziness, sensory disturbances, agitation, anxiety, nausea, vomiting, and sweating.  (Sanoski & Lucero, 2021)
<b>Does this medication interact with any other medication(s) on this list? (see rubric for further instruction)</b>	Oxycodone will interact with paroxetine (SSRI) and increases the risk of serotonin syndrome.  (Sanoski & Lucero, 2021)
<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>	PARoxetine is a BEERS criteria drug and should not be given to adults older than the age of 65 or older.  (Sanoski & Lucero, 2021)
<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>	Decreases anxiety, depression, panic attacks, and agitation for patients with dementia.  (Sanoski & Lucero, 2021)

<b>medication in general)</b>	
<b>What would you teach the client about taking this medication? You must prioritize 2 (see rubric)</b>	<p><b>1.</b> May cause drowsiness or dizziness. Use caution when driving or doing other activities that require alertness until response to the drug is known.</p> <p><b>2.</b> Frequent mouth rinses, good oral hygiene, and sugarless gum or candy may minimize dry mouth. If dry mouth persists for more than 2 weeks then the physician should be notified and a saliva substitute may be used.</p> <p>(Sanoski &amp; Lucero, 2021)</p>
<b>How much would medication cost per month if paying out of pocket?</b>	\$27.75 per month for this patient (“Good Price Search”, n.d.).

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

Oxycodone and alprazolam will be difficult for the patient to remember when the last time he took the medications was. Since they are as needed but should not be taken too frequently, it might be difficult for the patient to not overdose if he does not remember the last time he took them.

Aranesp can possibly be difficult because it is a subcutaneous injection every 4 weeks. The patient may not remember when to administer the next dose and have difficulty giving himself an injection.

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

Most of the medications can be taken with meals which will help establish a pattern or signify that he should take those medications. Have a calendar with a checklist to help track which medications he has taken. Writing down in a prominent place when and what medications were taken as needed would be helpful as well.

**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)**

The nurse should ask about paroxetine and alprazolam because those medications are on the BEERS criteria list and could not be ideal for this patient that is 88-years-old. The nurse should also ask if darbepoetin can be administered in the clinic monthly so that the patient does not have to learn how to administer the injection himself. The nurse should also question the provider about enalapril

because the patient is allergic to lisinopril which is also an ACE inhibitor. The patient may also be allergic to enalapril because it's an ACE inhibitor too.

Suggest to the patient that he should consider moving into a long-care facility or possibly a memory care facility and explain why this is important for his health. The nurse should also educate the patient on high-iron, low-potassium, and low blood pressure-friendly diets and see what his facility offer within those limits.

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

The total cost for all 10 medications for one month for this patient would be \$2,382.79 (“Good Price Search”, n.d.).

**Reflective Statement of Experience:**

We enjoyed working in a group. This project made us realize the importance of medication management, education, and reconciliation. We also learned how the more medications someone takes, the more complicated it is to monitor all their labs and the effects the medications have on the patient. Looking up medication costs before insurance helped us gain more knowledge on medication costs and how to best advocate for our patients. As student nurses, we noticed the importance of educating our patients on medication interactions, medication administration, and its therapeutic use. It is very important to provide information to patients at a competency level that they can understand.

### References

GoodRx. (n.d.). *Drug price search*. Retrieved March 28, 2022, from <https://www.goodrx.com/search>

Jones & Bartlett Learning. (2020). *2021 Nurse's Drug Handbook* (20th ed.). Jones & Bartlett Learning.

MedlinePlus. (2019, November 15). *Fenofibrate*. <https://medlineplus.gov/druginfo/meds/a601052.html>

MedlinePlus. (2016, February 15). *Rivastigmine*. <https://medlineplus.gov/druginfo/meds/a602009.html>

Sanoski, V., & Lucero, W. (2021). *Davis's Drug Guide for Nurses* (17th ed.). F. A. Davis.

## N322 Polypharmacy Grading Rubric

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

<p>(before bed, before breakfast, 30 minutes before meals, etc..)</p>		<p>this question if worth one point)</p>	<p>worth one point)</p>	
<p><b>Criteria</b></p>	<p><b>Excellent</b> <b>0 points</b></p>	<p><b>Acceptable</b> <b>16-19</b></p>	<p><b>Unacceptable</b> <b>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</p>	<p>All medications reviewed and student explained medication interactions.</p>	<p>The student did list some of the potential interactions of the medication(s), but failed to address all potential interactions that are serious and/or need close monitoring. (for each medication listed this question is worth two points)</p>	<p>Student failed to answer question and/or The student did list some of the potential interactions of the medication(s), but failed to address all potential interactions that are serious and/or need close monitoring. (for each medication listed this question is worth two points)</p>	<p>___/20</p>

medication)				
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Criteria	Excellent 5 points	Acceptable 4 points		Unacceptable 0 -3 points	Points Earned
Lifestyle interactions:  ● What lifestyle factors counteract with the medications?  (tobacco user, ETOH use - 3 beers daily)	Student showed knowledge why lifestyle would counteract with medications	The student listed lifestyle interactions for some of the medications, but not all and/or the interactions listed were not priority or were incorrect. (For each medication, this question is worth half a point)	Student failed to answer question or the student listed lifestyle interactions for some of the medications, but not all and/or the interactions listed were not priority or were incorrect. (For each medication, this question is worth half a point)		___/5

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

<p>indication based on past medical history, please list potential indications for use of the medication in general)</p>		<p>point)</p>	<p>question is worth one point)</p>	
<p><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 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 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>	<p>Student showed the importance of medication education, and appropriate prioritized client education for the scenario provided.</p>	<p>The student provided some appropriate education for the client, but failed to capture all of the appropriately prioritized education for the client. (Each topic of education is worth one point)</p>	<p>Student failed to answer the question OR The student provided some appropriate education for the client, but failed to capture all of the appropriately prioritized education for the client. (Each topic of education is worth one point)</p>	<p>___/20</p>

medication)				
<b>Criteria</b>	<b>Excellent 10 points</b>	<b>Acceptable 8-9 points</b>	<b>Unacceptable 0-7 points</b>	<b>Points Earned</b>
<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 regimen?</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>	Student had knowledge on why a patient would have difficulty with medication regimen	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
<b>Criteria</b>	<b>Excellent 10 points</b>	<b>Acceptable 8-9 points</b>	<b>Unacceptable 0-7 points</b>	<b>Points Earned</b>
<p>Is there anything about this medication regimen/ scenario that might assist the client in maintaining the medication regimen as</p>	Student had knowledge on medication compliance	The student answered the question appropriately for some of the medications but failed to indicate all of the factors that are present that	Student failed to answer the question OR The student answered the question appropriately for some of the medications but failed to	___/10

<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</b> <b>10 points</b></p>	<p><b>Acceptable</b> <b>8-9 points</b></p>	<p><b>Unacceptable</b> <b>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</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>

medications?				
<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>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 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)</li> <li>● The student provided a rubric attached for grading (3 points)</li> <li>● The student included the provided client</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 APA manual.</p>	<p>The document did not meet all of the criteria for formatting/ referencing. See “criteria” to the left for further breakdown.</p>	<p>The document did not meet all of the criteria for formatting/ referencing. See “criteria” to the left for further breakdown.</p>	<p>___/20</p>

<p>scenario on page two of the document (2 points)</p> <ul style="list-style-type: none"> <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><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 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</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>

<p>and provide evidence behind your presentation.</p>				
Criteria	Excellent 10 points	Acceptable 8-9 points	Unacceptable 0-7 points	Points Earned
<ul style="list-style-type: none"> <li>● Reflective statement of experience should include the following:</li> <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>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>
<p><b>Total Points</b></p>				<p>___/200</p>

