

Focused Exam UTI With Antibiotic Sensitivity Shadow Health Assessment

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Focused Exam: UTI with Antibiotic Sensitivity

Patient Exam: This assignment is a focused exam with a patient who presents with a UTI and antibiotic sensitivity. You will conduct an interview with Makayla Henderson using therapeutic communication to determine the appropriate pharmacological therapy for her condition. After the exam, you will select the most appropriate medication for Ms. Henderson and educate her on her medication and disease management. If applicable, you will write a prescription for the selected medication. On average, this assignment will take 75 minutes to complete.

Education Items

- (1 point) Take the full course of antibiotics
 - (1 point) Take with meals for absorption
- (1 point) Take missed doses as soon as possible
 - (1 point) Drink non caffeinated liquids
- Phenazopyridine
 - (1 point) Take as needed to relieve pain
 - (1 point) Take with meals to avoid GI upset
 - (1 point) Continue taking antibiotics while on this drug

- (1 point) Bodily fluids may appear orange
- Symptoms and Care
 - (1 point) Wear loose-fitting, cotton underwear
 - (1 point) Wipe front to back when you use the restroom
 - (1 point) Return if you do not improve
- Closing / Goodbye

Prescription Writing

- Nitrofurantoin
- Phenazopyridine

Subjective Data Collection: 25 Of 26 (96.2%)

Hover To Reveal...

Hover over the Patient Data items below to reveal important information, including Pro Tips and Example Questions.

- Found:

Indicates an item that you found.

- Available:

Indicates an item that is available to be found.

Category

Scored Items

Experts selected these topics as essential components of a strong, thorough interview with this patient.

Patient Data

Not Scored

A combination of open and closed questions will yield better patient data. The following details are facts of the patient's case.

Chief Complaint

Finding:

Established chief complaint

Finding:

(Found)

Pro Tip: A patient's chief complaint establishes any illnesses or concerns they are presenting. Asking about the chief complaint will allow the patient to voice any concerns or symptoms the patient may have.

Example Question:

- How is your urination?

Finding:

(Found)

Pro Tip: A patient's chief complaint establishes any illnesses or concerns they are presenting. Asking about the chief complaint will allow the patient to voice any concerns or symptoms the patient may have.

Example Question:

-

Finding:

■

Finding

(Found)

Pro Tip: A patient's chief complaint establishes any illnesses or concerns they are presenting. Asking about the chief complaint will allow the patient to voice any concerns or symptoms the patient may have.

Example Question:

History Of Present Illness

■

Finding:

■

Finding

Asked about onset and duration of symptoms

■

Finding:

■

Finding

(Found)

Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

■

Finding:

■

Finding

(Found)

Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

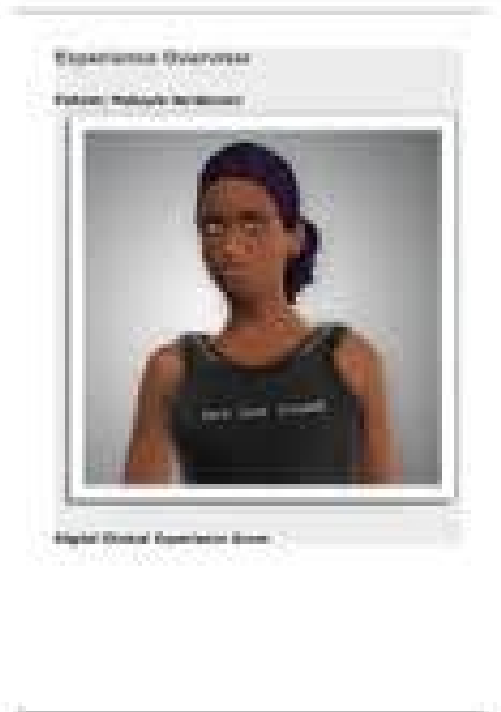
■

Finding:

■

Finding

(Found)



Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

■

Finding:

■

Finding

Asked about additional symptoms of UTI

Finding:

■

Finding

(Found)

Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

■

Finding:

■

Finding

(Found)

Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

■

Finding:

■

(Found)

Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

Finding:

■

Finding:

■

(Found)

Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

■

Finding:

■

(Found)

Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current

complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

■

Finding:

■

Finding:

(Found)

Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

■

Finding:

■

(Found)

Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

■

Finding:

■

Finding:

(Found)

Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

■

Finding:

Asked about aggravating factors of pain

■

Finding:

Reports urination makes the pain worse

(Available)

Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

Does urination make the pain worse?

■

Finding:

Asked about severity of pain

■

Finding:

Reports pain on urination as 7/10

(Available)

Pro Tip: Asking a patient about the length of their current health issues solicits information relevant to the history of their present illness. Details of their current complaint will help you follow-up on any present conditions or symptoms, such as the location of their pain or the amount of pain they may be experiencing.

Example Question:

On a scale from one to ten, how bad is the pain?

Past Medical History

■

Finding:

Asked about relevant past medical history

■

Finding:

Reports no existing relevant health conditions

(Found)

Pro Tip: Inquiring into the patient's relevant history can reveal past diagnoses and previous conditions or concerns. Information about the patient's existing health conditions, a timeline of diagnosis, symptoms, and allergies can indicate where you should follow-up for further care and treatment.

Example Question:

Do you have any health issues?

■

Finding:

Asked about general allergies

■

Finding:

(Found)

Pro Tip: Inquiring into the patient's relevant history can reveal past diagnoses and previous conditions or concerns. Information about the patient's existing health conditions, a timeline of diagnosis, symptoms, and allergies can indicate where you should follow-up for further care and treatment.

Example Question:

■

Finding:

(Found)

Pro Tip: Inquiring into the patient's relevant history can reveal past diagnoses and previous conditions or concerns. Information about the patient's existing health

conditions, a timeline of diagnosis, symptoms, and allergies can indicate where you should follow-up for further care and treatment.

Example Question:

Home Medications

Finding:

Asked about home medications

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will

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Example Question:

Finding:

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

(Available)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

(Found)

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Example Question:

■

Finding:

(Available)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

How often do you take [birth control](#)?

■

Finding:

Reports 28-pill pack

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

Reports no adverse effects

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

Reports unsure of dosage

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

■

Finding:

Asked about medication allergies

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

Finding:

Followed up on reaction to penicillin

■

Finding:

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:

Finding:

Reports nausea and vomiting

(Found)

Pro Tip: A patient's home medications can provide insight into the patient's current treatment and its efficacy. Inquiring into medication history, dosage, and frequency will help you understand the patient's background and how it may affect their current situation.

Example Question:**Social History****Finding:**

Asked about substance use

■

Finding:**(Found)**

Pro Tip: A patient's social history encompasses their family and support system, living situation, and daily behaviors such as diet, exercise, sexual activity, and substance use. These factors can influence their current health and wellness. Asking about a patient's social history can also unveil the influence of their present illnesses in their social lives.

Example Question:**Finding:****(Found)**

Pro Tip: A patient's social history encompasses their family and support system, living situation, and daily behaviors such as diet, exercise, sexual activity, and substance use. These factors can influence their current health and wellness. Asking about a patient's social history can also unveil the influence of their present illnesses in their social lives.

Example Question:

Finding:

(Found)

Pro Tip: A patient's social history encompasses their family and support system, living situation, and daily behaviors such as diet, exercise, sexual activity, and substance use. These factors can influence their current health and wellness. Asking about a patient's social history can also unveil the influence of their present illnesses in their social lives.

Example Question:

■

Finding:

Followed up on alcohol use

■

Finding:

(Found)

Pro Tip: A patient's social history encompasses their family and support system, living situation, and daily behaviors such as diet, exercise, sexual activity, and substance use. These factors can influence their current health and wellness. Asking about a patient's social history can also unveil the influence of their present illnesses in their social lives.

Example Question:

■

Finding:

(Found)

Pro Tip: A patient's social history encompasses their family and support system, living situation, and daily behaviors such as diet, exercise, sexual activity, and substance use. These factors can influence their current health and wellness. Asking about a patient's social history can also unveil the influence of their present illnesses in their social lives.

Example Question:

How many drinks do you have a week?

■

Finding:

Asked about sexual activity

■

Finding:

(Found)

Pro Tip: A patient's social history encompasses their family and support system, living situation, and daily behaviors such as diet, exercise, sexual activity, and substance use. These factors can influence their current health and wellness. Asking about a patient's social history can also unveil the influence of their present illnesses in their social lives.

Example Question:

■

Finding:

(Found)

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Example Question:

■

Finding:

(Found)

Pro Tip: A patient's social history encompasses their family and support system, living situation, and daily behaviors such as diet, exercise, sexual activity, and substance use. These factors can influence their current health and wellness. Asking about a patient's social history can also unveil the influence of their present illnesses in their social lives.

Example Question:

Family Medical History

■

Finding:

Asked about relevant family medical history

■

Finding:

Reports father is healthy

(Found)

Pro Tip: A patient's family medical history can indicate if the patient is at a higher risk for certain illnesses and disorders. Gathering this information can contextualize a patient's current complaint and how their family's health history might be influencing it.

Example Question:

How is your father's health?

■

Finding:

(Found)

Pro Tip: A patient's family medical history can indicate if the patient is at a higher risk for certain illnesses and disorders. Gathering this information can contextualize a patient's current complaint and how their family's health history might be influencing it.

Example Question:

■

Finding:

(Available)

Pro Tip: A patient's family medical history can indicate if the patient is at a higher risk for certain illnesses and disorders. Gathering this information can contextualize a patient's current complaint and how their family's health history might be influencing it.

Example Question:

Review Of Systems

■

Finding:

Asked about general symptoms

■

Finding:

(Found)

Pro Tip: Understanding a patient's health involves a comprehensive overview of their physiological systems. This is necessary to understand what symptoms may indicate larger issues, and what treatments the patient may require.

Example Question:

■

Finding:

Asked about review of [systems for gastrointestinal](#)

■

Finding:

(Found)

Pro Tip: Understanding a patient's health involves a comprehensive overview of their physiological systems. This is necessary to understand what symptoms may indicate larger issues, and what treatments the patient may require.

Example Question:

■

Finding:

■

Finding:

(Found)

Pro Tip: Understanding a patient's health involves a comprehensive overview of their physiological systems. This is necessary to understand what symptoms may indicate larger issues, and what treatments the patient may require.

Example Question:

■

Finding:

(Found)

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Example Question:

■

Finding:

(Found)

Pro Tip: Understanding a patient's health involves a comprehensive overview of their physiological systems. This is necessary to understand what symptoms may indicate larger issues, and what treatments the patient may require.

Example Question:

Comments

Education & Empathy: 5 of 6 (83.3%)

During the patient interview, there are a number of opportunities to provide patient education and empathy. The opportunities listed below are those identified by nursing experts to be of particular importance to this patient. A **Model Statement** is provided as an example of an appropriate response to each opportunity.

- Opportunities marked as **Not Encountered** are opportunities that were not elicited in the interview
- Opportunities marked as **Not Followed Up** are missed opportunities that were present in the interview, but where no statements were made
- Opportunities marked as **Followed Up** were followed up by students, and include the dialogue between student and patient

DEBRIEF

- [1. Assessment](#)

- [2. Recommendation and Monitoring](#)
- **Assessment**

The patient suffers from UTI

Model Note

Makayla Henderson is a 21-year-old Biracial woman presenting with an uncomplicated UTI. She is a senior college student. Her UTI symptoms began three days ago, and she has experienced pain during urination, a burning sensation, and increased urgency to urinate. She is also experiencing some cramping in her [lower abdominal](#) region

Model Note

I prescribed Ms. Henderson a course of ...

Medication Selection Score: 18 Out Of 18 Points

This activity represents how well you were able to synthesize subjective data, objective data, guidelines, interactions, and contraindications to select the most effective medications(s) for the patient's problems

| | First Try | Second Try | Third Try |
|--------------------------------|----------------------------|------------|-----------|
| Totals | | | |
| Combined total points | 18 out of 18 points | | |
| Total points per column | + 18 points | | |

| Urinary Tract Infection | | | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
| Medication(s) Selected | nitrofurantoin | | |
| Points Earned | ✓ + 9 points | ✓ | ✓ |
| Rationale | <p>Congratulations! Nitrofurantoin is the best choice for this scenario. In areas with an antibiotic resistance to a sulfamethoxazole / trimethoprim combination drug, nitrofurantoin is the best first line of defense antibiotic for an uncomplicated UTI.</p> <p>This drug would also not be contraindicated with Ms. Henderson's penicillin hypersensitivity.</p> | | |

| Urination Pain and Increased Frequency | | | |
|----------------------------------------|-----------------|---|---|
| Medication(s) Selected | phenazopyridine | | |
| Points Earned | ✓ + 9 points | ✓ | ✓ |

| | | | |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Rationale | Congratulations! As a non-opioid analgesic, phenazopyridine is the best choice to provide relief from urinary tract symptoms such as pain, burning, and frequency. | | |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

Patient Teaching Score: 9.5 Out Of 11

[Greet the patient](#)

Topics prioritized for [patient teaching](#)

Education Items

- Greet the patient and explain why you need to educate them

Greet the patient and explain why you need to educate them

| | |
|----------------------------------------------------------------------------------------|-----------------------------------------|
| Hi, I need to educate you on the need to understand the medication process and dosage. | Statement 8/7/2020 2:03:21 PM |
| Hey, sure thing. [AUDIO COMING SOON] | |

Model Statement: Hi, Makayla. We're going to be going over how to safely take your medication.

XYZ

Model Plan

- (1 point) Take the full course of antibiotics
- (1 point) Take with meals for absorption
- (1 point) Take missed doses as soon as possible
- (1 point) Drink non caffeinated liquids

Topics prioritized for patient teaching

Education Items

- (1 point) Take the full course of antibiotics
- (1 point) Take at the same time daily
- (1 point) Take missed doses as soon as possible
- (1 point) Adverse effects include GI upset

Take the full course of antibiotics

| | |
|--------------------------------------------------|-----------------------------------------|
| Take the full course of antibiotics | Statement 8/7/2020 2:03:56 PM |
| Ok – but what if I start feeling better? | |
| You continue taking it until you finish the dose | Statement 8/7/2020 2:04:29 PM |
| Oh, ok. That makes sense. | |

Model Statement: It's important to finish a full course of antibiotics, even if you start to feel better. Antibiotic resistance can happen if a bacteria is exposed enough times to an antibiotic, but is not completely killed; this means that the stronger, resistant bacteria

are able to adapt. Finishing a full course of antibiotics decreases the risk of antibiotic resistance, which helps everyone.

Take at the same time daily

| | |
|-----------------------------|-----------------------------------------|
| Take at the same time daily | Statement 8/7/2020 2:04:55 PM |
| Oh, ok. | |

Model Statement: Taking antibiotics at the same time every day ensures that the medication is in your system for the same amount of time, which makes it the most effective.

Take missed doses as soon as possible

| | |
|--------------------------------------------------------------------------|--------------------------------------------|
| Take as soon as possible to maintain the therapeutic effect of the drug. | Statement 8/7/2020 2:05:50 PM |
| I definitely don't want that to happen. Thanks. | |

Model Statement: If you miss a dose of your antibiotics, take your dose as soon as you remember, and then take your next dose at its regularly scheduled time.

Adverse effects include GI upset

| | |
|----------------------------------------------------------------------------------|--------------------------------------------|
| The medication has adverse effect which may include causing pain in your stomach | Statement 8/7/2020 2:06:29 PM |
|----------------------------------------------------------------------------------|--------------------------------------------|

| | |
|----------------------------|--|
| Ew. Thanks for telling me. | |
|----------------------------|--|

Model Statement: Sometimes people experience gastrointestinal issues when they take antibiotics. Some find it helpful to take probiotic supplements to help the “good” bacteria in your system.

Model Plan

- (1 point) Take as needed to relieve pain
- (1 point) Take with meals to avoid GI upset
- (1 point) Continue taking antibiotics while on this drug
- (1 point) Bodily fluids may appear orange

Topics prioritized for patient teaching

Education Items

- (1 point) Take with meals to avoid GI upset
- (0.5 points) Contact provider if you experience signs of an allergic reaction rash
- (1 point) Bodily fluids may appear orange
- (0.5 points) Contact provider if you experience signs of liver problems

Take with meals to avoid GI upset

| | |
|----------------------------------------------------------|---------------------------------------------|
| Take with meals to ensure that the GI upset is minimized | Statement 8/7/2020 2:06:55 PM |
| Ok. Sounds like a good plan. | |

Model Statement:

Contact provider if you experience signs of an allergic reaction rash

| | | |
|--|---------|---------------------------------------------|
| | | Statement 8/7/2020 2:09:25 PM |
| | Got it. | |

Bodily fluids may appear orange

| | | |
|--|------------------------------------|---------------------------------------------|
| | . | Statement 8/7/2020 2:07:53 PM |
| | Weird! Thanks for letting me know. | |

Model Statement:

Contact provider if you experience signs of liver problems

| | | |
|--|------------------|---------------------------------------------|
| | | Statement 8/7/2020 2:10:32 PM |
| | Oh, ok. Will do. | |

Model Statement:

Model Plan

- (1 point) Wear loose-fitting, cotton underwear
- (1 point) Wipe front to back when you use the restroom
- (1 point) Return if you do not improve

Topics prioritized for patient teaching

Education Items

- (1 point) Urinate before and after sexual intercourse
- (0.5 points) Do not rely on cranberry pills or juice to treat UTIs
- (1 point) Wipe front to back when you use the restroom

Urinate before and after sexual intercourse

| | |
|-------------------------------------------------------------------|-----------------------------------------|
| Urinating before and after sexual contact will clear the urethra. | Statement 8/7/2020 2:11:18 PM |
| Oh, I didn't know. I'll be sure to do that. [AUDIO COMING SOON] | |

Model Statement:

Do not rely on cranberry pills or juice to treat UTIs

| | |
|----------------------------------------------------------------------------------------------------|--------------------------------------------|
| Use medications to treat UTIs.. | Statement 8/7/2020 2:11:43 PM |
| I figured it couldn't hurt, but I'll definitely take the medicine you give me. [AUDIO COMING SOON] | |

Model Statement:

Wipe front to back when you use the restroom

| | |
|-------------------------------------------------|-----------------------------------------|
| Wiping front and back will clean the discharges | Statement 8/7/2020 2:12:17 PM |
|-------------------------------------------------|-----------------------------------------|

| | |
|-------------------------------------|--|
| Oookay. Gotcha. [AUDIO COMING SOON] | |
|-------------------------------------|--|

Model Statement:

[Say Goodbye](#)

Topics prioritized for patient teaching

Education Items

- Educate the patient on anything else and say goodbye. Focused Exam UTI with Antibiotic Sensitivity Shadow Health Assessment

Educate the patient on anything else and say goodbye

| | |
|---------------------------------------------------------------------|----------------------------------------------------|
| Always use condoms when you want to engage in sex. Good bye. | Statement 8/7/2020 2:12:59 PM |
| Ok. See you later. | |

Model Statement: Make sure to follow all of the instructions we discussed. Have a nice day.

Prescription Writing Score: 20 Out Of 20

| |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Patient Information: 1 out of 1 point |
| This section covers the information identifying the patient. Any incorrect answers here could result in the pharmacist not dispensing the medication to the patient, and therefore you will lose the point for this section. |

| Field | Student's Answer | Is Correct? | Feedback |
|---------------|-------------------|-------------|----------|
| Patient Name | Makayla Henderson | ✓ | |
| Date of Birth | 06/20/1999 | ✓ | |

Safe and Effective Dosage: 7 out of 7 point

This section measures how well you put together a safe and effective dose for the patient's problems. Any incorrect answers here could lead to under or overdosing the patient, and therefore you will lose all of the points in this section.

| Field | Student's Answer | Is Correct? | Feedback |
|-----------------|-------------------------|-------------|----------|
| Medication Name | | ✓ | |
| Dosage | 1 (one) tablet | ✓ | |
| Strength | 100 mg extended release | ✓ | |
| Frequency | every 12 (twelve) hours | ✓ | |
| Duration | 5 (five) days | ✓ | |

Additional Fields: 1 out of 1 point

This section covers the rest of the remaining fields for an accurate prescription.

Any incorrect answers here could lead to a legally invalid prescription, and therefore you will lose the point for these sections.

| Field | Student's Answer | Is Correct? | Feedback |
|------------|-------------------------|-------------|----------|
| Route | mouth | ✓ | |
| Quantity | 10 (ten) tablets | ✓ | |
| Refills | 0 | ✓ | |
| Indication | Urinary Tract Infection | ✓ | |

Additional Information

This section covers the additional information and generic substitution fields for the prescription. Shadow Health does not grade these, but your instructor may choose to do so when inputting your grade.

| Field | Student's Answer | | |
|------------------------|-------------------------------------------|--|--|
| Dispense As Written? | Required | | |
| Additional Information | Kindly inform us of any adverse events,.. | | |

Signature and Date: 1 out of 1 point

This section covers the information identifying who wrote the prescription and when. Any errors in this section could result in the pharmacist not dispensing the medication to the patient, and therefore you will lose the point for this section.

| Field | Student's Answer | Is Correct? | Feedback |
|-----------|------------------|-------------|----------|
| Signature | Dr. | ✓ | |
| Date | 07/08/2020 | ✓ | |

10 out of 10

Patient Information: 1 out of 1 point

This section covers the information identifying the patient. Any incorrect answers here could result in the pharmacist not dispensing the medication to the patient, and therefore you will lose the point for this section.

| Field | Student's Answer | Is Correct? | Feedback |
|---------------|-------------------|-------------|----------|
| Patient Name | Makayla Henderson | ✓ | |
| Date of Birth | 06/20/1999 | ✓ | |

Safe and Effective Dosage: 7 out of 7 point

This section measures how well you put together a safe and effective dose for the patient's problems. Any incorrect answers here could lead to under or overdosing the patient, and therefore you will lose all of the points in this section.

| Field | Student's Answer | Is Correct? | Feedback |
|-----------------|-----------------------|-------------|----------|
| Medication Name | | ✓ | |
| Dosage | 1 (one) tablet | ✓ | |
| Strength | 200 mg | ✓ | |
| Frequency | 3 (three) times daily | ✓ | |
| Duration | 2 (two) days | ✓ | |

Additional Fields: 1 out of 1 point

This section covers the rest of the remaining fields for an accurate prescription. Any incorrect answers here could lead to a legally invalid prescription, and therefore you will lose the point for these sections.

| Field | Student's Answer | Is Correct? | Feedback |
|----------|------------------|-------------|----------|
| Route | mouth | ✓ | |
| Quantity | 6 (six) tablets | ✓ | |

| | | | |
|------------|----------|---|--|
| Refills | 0 | ✓ | |
| Indication | UTI Pain | ✓ | |

Additional Information

This section covers the additional information and generic substitution fields for the prescription. These are not graded by [Shadow Health](#), but your instructor may choose to do so when inputting your grade.

| Field | Student's Answer | | |
|------------------------|---------------------------------------------------------------------------------------|--|--|
| Dispense As Written? | Required | | |
| Additional Information | Alert your provider when adverse events occur. Be sure to complete the dosage. | | |

Signature and Date: 1 out of 1 point

This section covers the information identifying who wrote the prescription and when. Any errors in this section could result in the pharmacist not dispensing the medication to the patient, and therefore you will lose the point for this section.

| Field | Student's Answer | Is Correct? | Feedback |
|-----------|------------------|-------------|----------|
| Signature | Dr. | ✓ | |

| | | | |
|------|------------|---|--|
| Date | 07/08/2020 | ✓ | |
|------|------------|---|--|

Assignment 5.2: Shadow Health: Focused Exam: UTI With Antibiotic Sensitivity And Anti-Infective Concept Lab Sample Student Reflection

Summary of Shadow Health Assignment

In this shadow health assignment, I took care of a 21-years old patient named Makayla Henderson, who presented with urinary tract infection symptoms. Makayla Henderson is a senior college student who stated that she is a biracial woman. Ms. Henderson stated that her urinary tract symptoms were presented three days ago; she complained of cramping in the lower abdominal area with dysuria and urgency to void.

Ms. Henderson stated she avoided drinking water to eliminate her urinary frequency and was educated on the importance of regular fluid intakes to flush the bacteria out of her body and to hydrate her body. Since the patient is allergic to the sulfa drug, choosing the Nitrofurantoin drug is optimal to eradicate uncomplicated urinary tract symptoms; adding phenazopyridine medication therapy will also help Ms. Henderson with urinary dysuria and urgency.

Since Ms. Henderson has low health literacy levels, assessing the symptoms, allergies, medical history, family medical history, and performing patient teaching are important to increase her knowledge and to prevent recurrent urinary tract infections. Patient education, such as wiping from front to back, wearing cotton underwear, finishing antibiotic therapy even after she feels better to eradicate all the bacteria fully, and

returning to care if symptoms are not improving are performed to improve the quality of care.

In another shadow health assignment for the anti-infective concept lab, it emphasized the importance of practitioners gathering patient data, allergies, and any pertinent medical history before prescribing therapy to prevent hypersensitivity reactions or adverse outcomes. For the antibiotics concept, it explains that antibiotics work against gram-negative, gram-positive, or both types of bacteria and have bactericidal, bacteriostatic, or both effects.

It also summarized the importance of observing patients for hypersensitivity reactions and assessing patients for renal impairment since antibiotics are excreted via the kidney to prevent nephrotoxicity; taking antibiotics medication disrupts normal flora in our body and may cause diarrhea which can increase the chance of having *Clostridium difficile*, individuals who have penicillin allergy may also be sensitive to another penicillin derivative, and Vancomycin is a strong antibiotic and used as a last resort to defend against resistant bacteria.

Antiviral therapy works by stopping viral replication; the importance for practitioners to assess the kidney functions or hydration level since it can cause nephrotoxicity and educate the patients that they are still contagious until the infections are resolved completely. Antifungal therapy acts as fungicidal and fungistatic; the practitioner has to pay close attention to the patient's hydration status to prevent nephrotoxicity or liver impairment, and monitor closely for individuals with heart issues or arrhythmias.

After performing this week's shadow health assignments, I learned about the pathophysiology of infection, the stages of infection, the pathophysiology of bacteria, viruses, and fungi. Learning more about the pharmacotherapy of antibiotics, antivirals, antifungals, along with their mechanisms of action and effects, is essential information to know as a future nurse practitioner to improve the patient's clinical outcomes.

Besides, understanding antibiotic therapy hypersensitivity, such as Type I for anaphylactic reactions, are essential to decrease adverse outcomes and complicated reactions from drug therapy.

When researching the principles of antimicrobial therapy, it was defined as the providers will need to obtain an accurate diagnosis to treat the infection, understand the therapy types that are peculiar to antimicrobial agents, recognize antimicrobial stewardships, choose cost-effective and narrow-spectrum therapy, and consult with infectious disease specialists for further guidance (Leekha, Terrell, & Edson, 2011). After completing the assignment, I grew my knowledge to apply the principles of prescribing antibacterial medications by understanding different types of antibiotics and bacteria types, the action of antibiotics on specific gram-positive or gram-negative bacteria, assessing whether the patient ultimately needs antibiotic therapy and choosing the most effective and cost-effective.

Reference:

Leekha, S., Terrell, C. L., & Edson, R. S. (2011). General Principles of Antimicrobial Therapy. *Mayo Clinic Proceedings*, 86(2), 156–167. <https://doi-org.proxy.library.maryville.edu/10.4065/mcp.2010.0639>