

# Case study – antituberculars

Business



Wanda McKay is 36 years old and homeless, although she sleeps in a shelter nightly and has been going to a day program for the past 5 weeks, where she showers, receives her mail, gets some counseling, and has her meals.

She is being treated daily for tuberculosis with directly observed therapy (DOT) and has been receiving this treatment for the last 6 months. She had a tuba legation 5 years ago with no complications and is not currently sexually active.

She was last tested for HIV and hepatitis C 2 months ago and was negative. She has been vaccinated for hepatitis B. She drinks, but does not use drugs, and has not been prescribed any psychiatric medications. When she was admitted into the day treatment program, her hospital records were sent indicating that she is sputum culture negative, so she is not a risk to others in close quarters.

When her nurse comes to the day program to administer her meds today, she notices that the sclera of her eyes have a yellow tint to them.

She is brought into the mobile center and examined by the nurse recantation. Data obtained from the nursing assessment include the following: The patient complains of abdominal pain, nausea. The patient is tender to palpation of liver. Lung sounds clear Chest x-ray clear Vital signs: temperature, 100. OFF; pulse, 88; respirations, 20; blood pressure, 130/80 The patient's current medications include: agonized, 300 MGM q day; revamping, MGM q day; and ethanol, 800 MGM q day.

Case Study Questions 1. Provide the rationale for why Ms. McKay is prescribed isoniazid. (5 pts) 2. What contraindications or precautions would eliminate the use of these drugs for Ms.

McKay? (5 pts) 3. What patient variables are most important to consider for Ms. McKay when assessing her drug therapy? (10 pts) 4. What aspects of core drug knowledge (parasympathetic's, pharmacokinetics, and pharmacodynamics) are especially relevant to consider because they may interact with the patient variables? (5 pts) 5.

Which of the findings from the nursing assessment demonstrate the effectiveness of drug therapy? (5 pts) 6.

Which of the findings from the nursing assessment demonstrate possible adverse effects from the drug therapy? (5 pts) 7. What nursing actions are indicated to maximize therapeutic effects? (5 pts) 8. What nursing actions are indicated to minimize adverse effects? (5 pts) 9. What teaching is required for Ms. McKay regarding her drug therapy? Include list of any additional data needed to determine appropriate teaching. (5 pts)