

Name: \_\_\_\_\_

**EXERCISE 3.2A: Deciding on Diagnosis Based on Result of Diagnostic Test**

Determine the best next step for the following patients:

1. Kevin, 40 years old, consulted due to cough of 7 days, back pains, and undocumented low-grade fever. He has neither other illness nor previous TB treatment. There is no history of TB in the household but he informed you that his co-worker in the factory, who is also a cousin, was recently diagnosed with PTB. They have worked together for the past 2 years and were on the same 8-hour shift at the time of diagnosis.

Kevin underwent DSSM and the result for both specimens was 0. He underwent chest X-ray that showed: "Fibrohazy infiltrates in left upper lobe; impression: PTB." What would be the next step? Explain why.

If Kevin was referred to an Xpert site and subsequent result was: "MTB not detected," what would be your impression?

If he returns to the DOTS facility because his cough, now 3 weeks, did not resolve even after the antibiotics given, and the physician makes a clinical decision that this was probably TB and initiated treatment, what would be the classification of the patient?

2. Miguel is an 18-year old college student residing with his family in an urban slum area within the city's relocation site for informal settlers. He consulted because of 2 weeks cough, fever, and weight loss. He was treated for TB only 2 years ago and was declared treatment completed.

Miguel was able to submit sputum samples for DSSM and the results were 0 and 1+. What is the next step?

If Xpert testing was done with the result: "MTB detected, Rifampicin resistance not detected," what would be the next step?

- Michelle is a 26-year old female consulting due to cough of 14 days. Because she had been treated for TB 3 years ago (completed treatment), she immediately underwent a chest X-ray, by her own request, and findings were: "Fibrotic infiltrates left upper lobe; consider TB." She underwent DSSM and results were both 0. What would be the next step?

Michelle underwent Xpert testing and the result was: "MTB not detected." When she returned to the DOTS facility to bring the result, her symptoms had resolved without any medications. What could be done?

*Note: These are the same questions in Exercise #3.2 that can be answered online. Exercise # 3.2A is the alternative offline version.*