INFC 215 Infection Prevention and Control Reflection #2 – forms part of quiz #2 (15%)

Reflection: Transmission of Tuberculosis

Reflections are designed to encourage you to think critically about your experiences, apply theoretical knowledge to practical situations, and develop your professional identity as a medical imaging technologist.

Topic: Reflecting on Transmission of Tuberculosis

1. How does understanding the airborne transmission of tuberculosis (TB) influence our approach to patient care and personal protection in medical settings?

   Making sure you have the correct mask fitting for a N95. Applying the appropriate PPE and precautions with a patient that has active TB will protect yourself from getting infected. Understanding the room will need to be put on hold after the patient is done so other patients are not infected and spreading the bacteria around the hospital. Tuberculosis travels through the air when the patient who is affected sneezes or coughs when they have an active pulmonary disease. Airborne droplets travel through the air hence why healthcare workers need to be precautious when helping and patient with TB.

2. What are the primary symptoms of TB, and how might these affect a patient's ability to undergo medical imaging procedures?

   The primary symptom of tuberculosis is the patient having a persistent cough that lasts for 3 weeks or longer, chest pain, coughing up blood or thick phlegm. The mycobacterium tuberculosis targets the respiratory system causing all these symptoms. These symptoms can affect a person’s mobility and airway while they move to a xray table or hold their breath for certain xrays like a chest xray causing the image to have motion and may need to be taken again having the patient get double the dose of radiation.

Word count: 350-400 words

Reflective Writing Rubric

Criteria	1 Point	2 Points	3 Points
Critical Reflection	Basic understanding of topic	Some reflection, with basic analysis	Deep reflection with thoughtful analysis
Application to Practice	Limited connection to medical imaging practice	Clear connections to medical imaging practice	Insightful application to medical imaging practice
Writing Quality	Basic writing with some clarity issues	Clear writing with minor errors	Well-written, clear, and concise

