MRAD 302 Specialized Imaging 2 Reflection #2 – forms part of quiz #2 (5%)

Reflection: Mammography: Screening and Diagnostic

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: Mammography: Screening and Diagnostic

1. What is screening mammography? Provide examples of the projections performed in a screening mammo procedure.

   Mammography is a specialized medical imaging technique that uses low- dose xrays to examine the breast tissue. It is primarily used for early detection and diagnosis of breast diseases like breast cancer. The screen for breast cancer in woman who have no symptoms is screening mammography. To evaluate abnormal signs or symptoms such as lump, pain, or nipple discharge they do diagnostic mammography. The compression is 15-30 pounds of weight pressed down onto the patient's breast, the compression presses cephalad, caudad. Spreading the breast tissue to get a better image looking for masses or cysts.

2. What is diagnostic mammography? Provide examples of the projections performed in a diagnostic mammo procedure.

   Diagnostic mammography is for patients that have a clinical concern or evidence of breast disease they should get a diagnostic mammogram. This study is a exam utilizing specific projections obtained to rule out cancer or show suspicious lesion seen on routine screening. Ultrasound may also be used for diagnosis. For diagnostic mammography includes routine baseline views such as craniocaudal (CC) and mediolateral oblique (MLO) plus specific supplementary views like mediolateral (ML), exaggerated cc view (XCCL), and implant displaced (ID-cc). the additional images improves compression of the breast tissue and visualization of structure.

Word count: 200-250 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