SECTION HEADING

RADT 2293: Mammography Basics

Description

Mammography Basics is designed to provide a comprehensive review of mammography and a step by step method of preparation for successful completion of the American Registry of Radiologic Technologists (ARRT) Mammography Registry Exam. .

Credits

1

Prerequisite

Registered Radiologic Technologist through the American Registry of Radiologic Technologists

Corequisite

None

Topics to be Covered

1. Patient Care

2. Image Production

3. Equipment Operation

4. Quality Assurance

5. Procedures

6. Breast Anatomy, Physiology, and Pathology

7. Mammographic Positioning

Learning Outcomes

1. Obtain knowledge to help prepare for the ARRT Mammography exam.

2. Understand basic positioning skills for the CC and MLO views.

3. Explain advanced positioning technique for supplementary views, difficult patients and implant patients.

4. Review and gain knowledge on breast anatomy, disease processes and pathology.

5. Gain knowledge on the various treatment options for various types of breast diseases.

6. Review patient care techniques including documentation of patient history, informed consent and more.

7. Describe how various physical characteristics of the x-ray tube affect mammographic imaging.

8. Understand mammographic quality control testing procedures per MQSA guidelines.

9. Describe the differences between imaging systems used to perform examinations.

10. Describe and develop a comprehensive quality assurance program for digital mammography.

11. Understand the differences between regulatory bodies, such as MQSA, ACR and the ARRT.

12. Describe the parameters in digital imaging that control resolution and contrast.

13. Describe newly emerging technologies used with digital mammographic imaging.

14. Problem solving gained through scenarios presented for patients with special accommodations.

15. Interactive group work

16. Interactive lecture

Credit Details

Lecture: 1

Lab: 0

OJT: 0

MnTC Goal Area(s): None