

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name	Women Imaging Techniques
Course number	AMSR3266
Faculty	
Department	
Course type	Major Needs
Course level	3
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1	- review the basic principles of screening and diagnostic mammography
2	- Outline the current applications of breast ultrasound in diagnostic, screening, and interventional settings
3	- Discuss the current medical and legal concerns regarding the missed breast cancer
4	- Appreciate the importance of operational issues in the success of a breast imaging practice, especially regarding billing and coding, and risk management.
5	- Appraise the current status of interventional breast procedures.
6	- Appreciate the value added to mammography by tomosynthesis in boosting both sensitivity and specificity in breast cancer detection.

Intended Learning Outcomes

Knowledge and Understanding	<ul style="list-style-type: none"> * Assess the current role of mammography, ultrasound, and MR imaging in the diagnosis of breast disease * Implement a quality assurance program in your breast imaging practice
Professional Skills	<ul style="list-style-type: none"> * the evaluation of the breast, describe appropriate indications and categorize breast lesions * When examining the breast, improve interpretation skills of mammography, ultrasound and MRI, based on advanced imaging protocols * Enhances professional competence and expertise in practice of mammography and related research * Builds capacity for independent work, inquiry and problem solving
General Skill	<ul style="list-style-type: none"> * This course is intended for radiographers practicing mammography in multi-disciplinary breast screening/health services

Course Contents

- 1 - Due to the rapidly evolving field of womens imaging and breast imaging, there is a need for maintaining cutting-edge knowledge of new clinical applications, techniques and interpretation. Maintenance of certification requires continued review of essential imaging techniques in all areas of radiology. The course has been designed to enhance compliance with the professional skills required by the National Breast Screening guidelines, the Health Information Quality Agency (HIQA) guidelines and the Irish Institute of Radiography and Radiation Therapy (IIRRT) guidelines on mammography

Teaching and Learning Methods

- 1 - Power point notes
- 2 - videos and hardware models

Students Assessment

<u>Assessment Method</u>	<u>TIME</u>	<u>MARKS</u>
attendance	the whole semester	5
First mid term	after the first month	20
presentation	after the first month	5
second mid term	after the second month	20
Final exam	the end of semester	50

Books and References

Essential books	Mammographic Imaging: A Practical Guide (Point (Lippincott Williams & Wilkins)) Third edition Third Edition by Valerie F. Andolina RT(R)(M)
Recommended books	Breast Imaging (Kopans, Breast Imaging) Third Edition by Daniel B. Kopans MD 2006