**BMR 2312 SPECIAL RADIOGRAPHIC TECHNIQUES**

Course description:

The course describes radiological procedures of the skeletal, cardiovascular, genitourinary, and gastrointestinal systems emphasizing pharmacology, the use of radiological contrast media, and the equipment used during these procedures. It also focuses on the indication, contraindications, associated risks and precautions in performing contrast investigation.

Purpose:

To enable the student learn and appreciate the various special radiological procedures, their technique as well as demonstrate appropriate professional behavior when handling patients.

Course Objectives: By the end of the 5 weeks, the student should be able to:

1. Demonstrate the ability to perform special radiographic techniques. At least 50 special radiographic techniques to be entered into the logbook

2. Identify the risks and related precautions for each procedure

3. Demonstrate a high level of professional conduct with patients

4. Identify common abnormal patterns on radiographs

5. Outline the disadvantages and limitations associated with special radiographic procedures.

Expected outcomes/Competencies:

A students who demonstrates the skills of carrying out special radiological investigations, identifies common abnormal patterns on images as well as handle patients in a professional way.

Course content: Contrast studies of:

• GIT

• Pancreas

• Liver

• Billiary system

• Splenoportal system

• Respiratory system

• Genital urinary system

• CNS

• CVS

• Lymphangiography

• Dacrocystography

• Sialography

• Fistulgraphy

• Digital imaging

• Endoscopic retrograde cholangiopancreatography

Breast Imaging:

• Mammography

• Galactography

• Ultrasound

• Scintigraphy

Delivery methods:

Over-view lectures, Small group tutorials with a Tutor, Self-directed study, Wrap-up seminars, Question and answer sessions, Skills training, Assignments, practicals and Videos for watching.

Assessment methods:

There shall be an assessment blue-print for assessment.

Formative and summative assessment shall be conducted through MCQs. Essays, short answer questions, Objective Structure Clinical Examination (OSCE), Objective Structure Practical Examination (OSPE) and logbook/ Portfolio

Course duration: 5 weeks

Requirements: 5 Weeks, 75 CH, 5CU

Resources & Infrastructure available:

Libraries, Book banks, Tutorial rooms, Computer services and internet, Content experts and audiovisual materials/ resources. X-ray (Laboratory) rooms

And IT Labs