



University of Pretoria Yearbook 2020

Diagnostic radiography 300 (DIR 300)

Qualification	Undergraduate
Faculty	Faculty of Health Sciences
Module credits	20.00
Programmes	BRad in Diagnostics
Prerequisites	DIR 200, RSC 200, RPH 300
Contact time	1 discussion class per week, 1 lecture per week, 1 seminar per week
Language of tuition	Module is presented in English
Department	Radiography

Period of presentation Year

Module content

Venous needle placement.

Cardiovascular system: Selective angiography. Intervention techniques (vascular and non-vascular). Venography. Seldinger technique, contrast media, medication, catheters, guide wires and accessories. Quality assurance and quality control. Patient care. Medico-legal aspects. Pattern recognition.

Mammography: Introduction. Principles of soft tissue radiography. Communication and health promotion. Medico-legal aspects. Management of breast disease, patient care, radiation safety and technique factors. Processing requirements. Positioning principles and special procedures. Systematic evaluation of the images. Pattern recognition.

Hystero-salpingography: Booking procedures, patient-radiographer relationship, procedural considerations and evaluation criteria. Pattern recognition.

Bone densitometry: Principles, bone biology and remodelling, osteoporosis, core competencies for radiographers, physical principles of dual X-ray absorptiometry and other bone densitometry techniques.

Ultrasonography: General principles in obstetrics and gynaecology, abdomen and pelvis, musculo-skeletal system.

Computer Tomography: Protocols for different examinations. Patient care. Image interpretation. Magnetic resonance imaging: Protocol for the different examinations. Patient care. Myelography.

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