



SHORT LEARNING PROGRAMME

Presented by Tshwane Institute for Continuing Education (TICE)

PRINCIPLES AND CLINICAL APPLICATIONS OF MAGNETIC RESONANCE IMAGING

BRIEF DESCRIPTION:

The purpose of this short learning programme is to provide Radiographers who wish to work in **Magnetic Resonance Imaging** department an opportunity to learn this technology and become part of the evolution towards superior and dynamic imaging technology. This programme is **certified by Tshwane University of Technology (TUT) and CEU credits awarded by the Health Professions Council of South Africa (HPCSA)**. Upon completion of the programme (attendance and assessments), participants will be awarded with **40 CEU credits** including a **certificate of competence**. The programme will provide you with an opportunity to improve your technical and clinical knowledge and skills required for you to operate the MRI equipment competently. It will enhance your skills in applying appropriate scanning protocols to demonstrate pathology and anatomy. Participants will be updated on MRI safety rules and regulations.

LEARNING AREAS:

- MRI components and basic principles
- MRI image weighting and contrast
- MRI encoding and image formation.
- Selection of appropriate scanning protocols and scanning parameters.
- MRI image quality and artefacts
- Pattern Recognition
- MRI Quality Control
- MRI safety and regulations
- Ethics: ethical concepts as applied in healthcare practice

WHO SHOULD ATTEND:

All Radiographers working in the private and public sectors without experience in MRI or with limited experience and wishing to develop their skills and knowledge to enhance their clinical practice.

ENTRY REQUIREMENTS:

This programme is aimed at Radiographers who have a minimum qualification of a National Diploma in Radiography, Bachelor's Degree in Radiography, Nuclear Medicine or Radiotherapy, who wish to enter the field of MRI with no previous experience. It is also aimed at Radiographers who have worked in MRI without extensive formal training.



40 CEU CREDITS

DATE: 26 - 30 May 2025 (Duration is 5 weeks and includes 5-days virtual classes)

FEE: R11 250.00

DELIVERY MODE: Virtual

REGISTRATION AND ENQUIRIES

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