

University of Pretoria Yearbook 2021

Magnetic resonance imaging 783 (RAW 783)

Qualification	Postgraduate
Faculty	Faculty of Health Sciences
Module credits	20.00
NQF Level	08
Programmes	BRadHons Diagnostics
Prerequisites	No prerequisites.
Contact time	1 discussion class per week
Language of tuition	Module is presented in English
Department	Radiography
Period of presentation	Semester 2

Module content

Review of basic MRI principles, image weighting and contrast, spatial encoding, k-space, image formation, instrumentation, MRI safety, trade-offs between parameters, pulse sequences, flow phenomena and basic principles of MRA. Artifacts in MRI/ Contrast agents. Functional imaging techniques and applications for various types of investigations.

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