

University of Pretoria Yearbook 2017

Magnetic resonance imaging 783 (RAW 783)

Qualification	Postgraduate
Faculty	Faculty of Health Sciences
Module credits	20.00
Programmes	BRadHons Diagnostics
Prerequisites	No prerequisites.
Contact time	1 discussion class per week
Language of tuition	Module is presented in English
Academic organisation	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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