

University of Pretoria Yearbook 2020

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

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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