



Faculty of Health Sciences Continuing Education Unit

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Course Programme

Cardiovascular Magnetic Resonance

15 to 17 November 2019
Groote Schuur Hospital, Observatory
(08h00 to 17h30. Sunday ends at 13h30)

Day 1

- 07h30** Registration
- 08h00** Welcome and Opening Remarks
- 08h15** MRI Basics
- 09h15** Introduction to MRI sequences
- 10h00** Tea Break (30 min)
- 10h30** Triggering and flow
- 11h15** Cardiac sequences (1 hr)
- 12h15** Lunch (45 min)
- 13h00** Cardiovascular anatomy
- 13h30** CMR artifacts
- 14h00** How to perform CMR anatomy and function
- 14h30** CMR for adult congenital heart disease
- 15h00** Tea Break (15 min)
- 15h15** How to perform CMR LGE and viability
- 15h45** CMR in Myocarditis

Day 2

- 08h30** CMR for HIV associated cardiovascular disease
- 09h00** CMR safety in permanent pacemakers and implantable cardioverter defibrillators
- 09h30** Tea Break (15 min)
- 09h45** CMR for cardiomyopathy
- 10h15** CMR for systematic rheumatic diseases
- 10h45** Tea Break (15 min)
- 11h00** CMR for ischaemic heart disease
- 11h30** CMR infiltrative heart disease
- 12h00** Interactive case presentations (4 cases) (1 hr)
- 13h00** Lunch (1 hr)



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14h00 Practical Session 1:

- Group 1 Tips & Tricks: CMR Image acquisition at 1.5T
- Group 2 Tips & Tricks: CMR Image acquisition at 3T

15h30 Tea Break (30 min)

16h00 Practical Session 2:

- Group 1: CMR post processing for LV function and flow quantification
- Group 2: CMR post processing for LV function and flow quantification

17h30 Complimentary Group Dinner

Day 3

09h00 Practical Session 3:

- Group 1 Tips & Tricks: CMR Image acquisition at 3T
- Group 2 Tips & Tricks: CMR Image acquisition at 1.5T

10h45 Tea Break (30 min)

11h15 Practical Session 4:

- Group 1 CMR post-processing for LV function and flow quantification
- Group 2 CMR post-processing for LV function and flow quantification

13h00 Concluding remarks and closing

13h15 Evaluation

- End -

