



Faculty of Health Sciences Continuing Education Unit

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Course Programme Basics of MRI & MRS

18 to 19 October 2019

CUBIC J10, Groote Schuur Hospital, Observatory
(08h00 to 17h00)

Day 1

08h00 Registration

08h15 Components of the Scanner

09h00 Signal creation

09h45 Tea Break (15 min)

10h00 Pulse sequences

10h45 MR contrast

11h30 Imaging gradients

12h15 Lunch (30 min)

12h45 Imaging creation and parameters

13h30 Practical Session 1:

- Group A: Hands-on contrast 1 (MRI)
- Group B: Pulse sequences (Satellite)

15h10 Tea Break (10 min)

15h20 Practical Session 2:

- Group A: Hands-on contrast 2 (Satellite)
- Group B: Hands-on contrast 1 (MRI)

Day 2

08h00 Practical Session 3:

- Group A: Hands-on contrast 3 (MRI)
- Group B: Hands-on contrast 2 (Satellite)

09h30 Practical Session 4:

- Group A: Pulse sequences (Satellite)
- Group B: Hands-on contrast 3 (MRI)

11h30 Tea Break (15 min)



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11h15 MRS Theory

12h00 Practical MRS – Voxel Placement, Shimming, pitfalls etc.

12h45 Lunch (45 min)

13h30 Practical Session 5:

- Group A: MRS Acquisition (Console)
- Group B: MRS Analysis (Satellite)

15h00 Tea Break (10 min)

15h10 Practical Session 6:

- Group A: MRS Analysis (Satellite)
- Group B: MRS Acquisition (Console)

16h40 Evaluation

- End -

