Timetable: A Training Course in MRI and MRS (2024)

	Session title	Room	Lecturer
Monda	ay 14 October 2024		
9.30	Welcome and Introduction	VMR1/VMR2	S Doran
9.40	Lecture 1. Basis of NMR	VMR1/VMR2	G Barker
10.25	Lecture 2. Relaxation parameters and spin	VMR1/VMR2	J Winfield
	echoes		e e e e e e e e e e e e e e e e e e e
11.10	Coffee	Atrium	
11.45	Lecture 3 Magnetic field gradients, slice	VMR1/VMR2	O White
11.75	selection, frequency encoding		O white
12.30	Lecture 4. Basic Imaging Sequences: Spin-echo,	VMR1/VMR2	M Blackledge
	gradient echo		WI Diackieuge
13.00	Lunch	Atrium	
13.00		VMR1/VMR2	G Barker
14.00	Lecture 5. 2-D FT Imaging, k-space Lecture 6. Hardware: RF requirements and RF	VMR1/VMR2	G Charles-
14.43	coils	VIVIK1/VIVIKZ	
15.20		A 4	Edwards
15.30	Tea	Atrium	
16.00	Tutorial 1 in small groups	VMR1/VMR2	G Barker / G
16.45			Charles-Edwards
16.45	Lecture 7. Safety Considerations	VMR1/VMR2	G Charles-
			Edwards
17.30	Demonstration on Siemens Aera scanner	MRI Unit	M Rata/ E Kousi
	Group 1		
Tuesda	ay 15 October 2024		
9.30	Lecture 8. MRI Hardware - Magnets, Gradients	VMR1/VMR2	M Rata
	and RF		
10.15	Lecture 9. Image contrast, resolution and signal-	VMR1/VMR2	S Keaveney
10110	to-noise		
11.00	Coffee	Atrium	
11.30	Lecture 10. MRI in Practice	VMR1/VMR2	E Kousi
12.15	Lecture 11. MRI in Radiotherapy Planning	VMR1/VMR2	A Wetscherek
13.00	Lunch	Atrium/RMH	AWCISCHCICK
13.00		canteen	
14.00	Lecture 12. K-space trajectories	VMR1/VMR2	S Doran
14.45	Lecture 13. Quantitative Imaging	VMR1/VMR2	O White
	Tea	Atrium	0 white
15.30			S Doran / O
16.00	Tutorial 2 in small groups	VMR1/VMR2	
16 45	Lesters 14 Acceleration of MD as meaning		White
16.45	Lecture 14. Acceleration of MR sequences	VMR1/VMR2	S Doran
Wedne	esday 16 October 2024		
9.30	Lecture 15. Diffusion MRI	VMR1/VMR2	M Blackledge
10.15	Lecture 16. Introduction to in vivo MR	VMR1/VMR2	G Payne
	Spectroscopy		
11.00	Coffee	Atrium	
11.30	Lecture 17. MR Spectroscopy Acquisition and	VMR1/VMR2	G Payne
11.50	Analysis		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
12.15	Lecture 18. MRI for Clinical Drug Development	VMR1/VMR2	P Murphy
	Letter 10. mile for Chinear Drug Development		1 mmpny
13.00	Lunch	Atrium/RMH	

14.00	Tutorial 3 in small groups	VMR1/VMR2	G Payne / S
			Doran
14.45	Lecture 19. Flow and MR Angiography	VMR1/VMR2	M Graves
15.30	Tea	Atrium	
15.55	Lecture 20. Functional Imaging Methods	VMR1/VMR2	M Graves
16.55	Lecture 21. Clinical Examples of MRI	VMR1/VMR2	K de Paepe
17.25	Closing Remarks	VMR1/VMR2	S Doran