

# The Fundamentals of MRI course program 2024

Presented by Associate Professor Marc Agzarian  
The Terrace, Marion Hotel  
849 Marion Road, Mitchell Park, South Australia

## Saturday 10 August 2024

Registration.....	0830–0900
Spin, net magnetisation and the magnetic resonance signal .....	0900–0945
Relaxation processes.....	0945–1030
Morning tea.....	1030–1100
Spin echo imaging.....	1100–1145
Gadolinium contrast media.....	1145–1230
Lunch.....	1230–1330
Inversion recovery, fat saturation and the Dixon method .....	1330–1415
MRI equipment.....	1415–1500
Afternoon tea.....	1500–1530
MRI safety .....	1530–1615
Gradient echo imaging.....	1615–1700

## Sunday 11 August 2024

Introducing <i>k</i> -space.....	0900–0945
Applying <i>k</i> -space to MRI .....	0945–1030
Morning tea.....	1030–1100
MRI sequences and <i>k</i> -space .....	1100–1145
Faster imaging techniques and the image quality triad .....	1145–1230
Lunch.....	1230–1330
Diffusion weighted imaging concept and acquisition.....	1330–1415
Diffusion weighted imaging uses and tractography .....	1415–1500
Afternoon tea.....	1500–1530
Magnetic resonance angiography and magnetic resonance venography .....	1530–1615
Magnetic resonance spectroscopy .....	1615–1700