

ASCOT RADIOLOGY MRI

WHAT IS MRI?

MRI stands for Magnetic Resonance Imaging. It is a diagnostic test that utilises a strong, but harmless, magnetic field and radio-frequency waves to produce detailed images of the body. No x-rays are used, and MRI itself is a painless procedure and is much quicker than you may think.

At Ascot Radiology, we have just installed a Philips Intera Achieva 3.0T scanner. This MR system offers the very latest technology, producing extremely high quality images in a much shorter time.

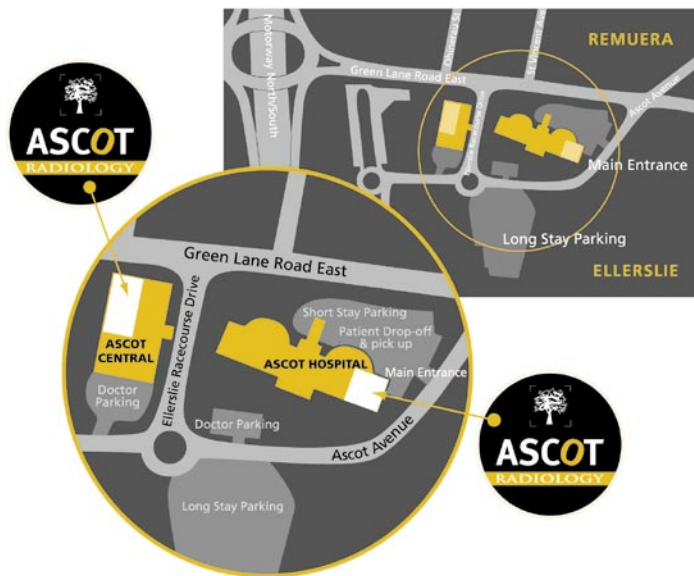
The ultra-high field strength of the 3.0T magnet produces some of the highest resolution images in the industry, providing more detailed information and a more accurate diagnosis.

As one of the world's most compact MRI scanners, it is also one of the most patient friendly, offering faster scans, reduced need for contrast agents and a design that puts people at ease.



ABOVE: THE PHILIPS INTERA ACHIEVA 3.0T MRI SCANNER

TO MAKE AN APPOINTMENT FOR AN MRI, please phone **520 9550**. Ascot Radiology office hours are **8.30am to 5.00pm Monday to Friday**.



ASCOT RADIOLOGY LIMITED

Ascot Integrated Hospital

90 Green Lane Road East, Remuera, Auckland

Ascot Central

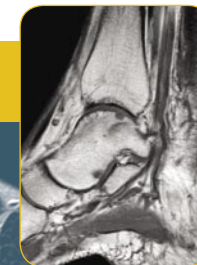
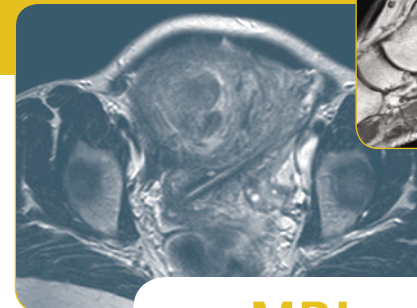
7 Ellerslie Racecourse Drive, Remuera, Auckland

Postal Address: PO Box 28 268, Auckland 1541

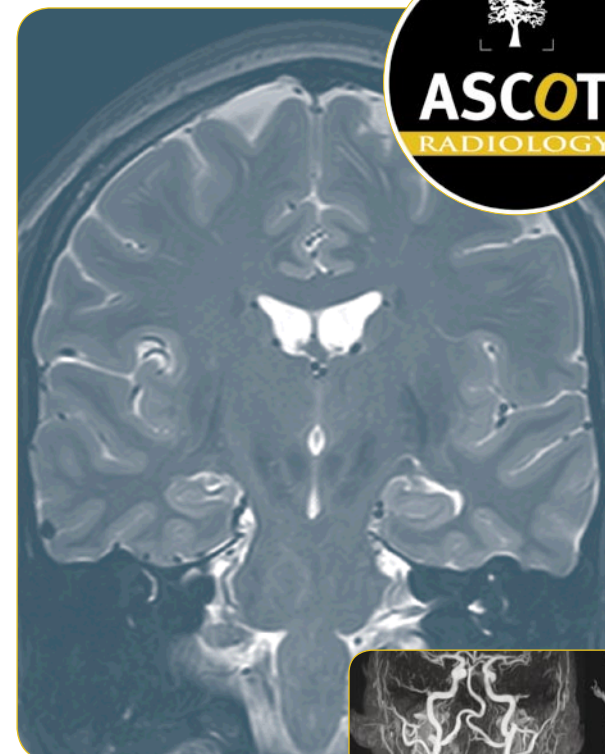
Tel: 09 520 9550 **Fax:** 09 520 9551

Email: mailbox@ascotrad.co.nz

www.ascotrad.co.nz



MRI (MAGNETIC RESONANCE IMAGING)



WELCOME TO ASCOT RADIOLOGY MRI

CAN ANYONE HAVE AN MRI SCAN?

Most people can. However, some people **may not** be suitable for MRI scanning.

Please contact the department before your appointment if you have any of the following:

- Cardiac Pacemaker or pacing wires.
- If you have or previously had metal fragments in your eyes.
- Neuro-stimulator, inner ear implants or metallic implants.
- Aneurysm clips in the brain.
- If you are pregnant or breast feeding.

PREPARATION

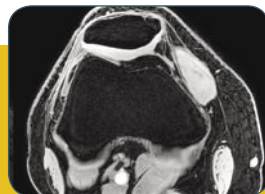
- Eat and drink normally prior to your MRI scan. If you need to fast for your scan, you will be given instructions when you make your appointment.
- Sedation may be required for patients suffering from claustrophobia or anxiety. You will need to bring someone to drive you home if you need to be sedated.
- If you are on medication or are diabetic, please take your medication as normal. If you are taking pain relief medication, please take it as normal as it is important that you are comfortable in the scanner.
- On arrival in Radiology, you will be asked to fill out a safety questionnaire and change into a gown.

WHAT TO EXPECT

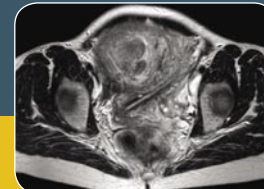
- The MRI scanner is a short tunnel which is open at both ends. As the scanner can be noisy, you will be given headphones (through which we can play your favourite music) or earplugs.
- The MRI technician is always able to see you through a large viewing window and will be communicating with you throughout the examination via an intercom. A buzzer will be placed in your hand should you need immediate attention. It can be comforting to bring a support person with you.
- Ascot Radiology offers a relaxing ambience where the patients can select their own mood lighting for the scanning room.
- An MRI scan can last from 15 minutes and up to 45 minutes, depending on the area of the body that is being examined. You will be lying on the scan table with a special coil placed close to the area being scanned.
- Sometimes, to further enhance the images, you may need an injection of contrast (Gadolinium). This will be administered into a vein in your arm during the scan.

WHAT IS MRI USED FOR?

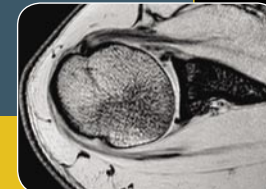
- Musculo-skeletal imaging.
- Neurological imaging.
- Breast imaging.
- Vascular system imaging.
- Spectroscopy of the brain and internal organs.
- Whole body imaging.



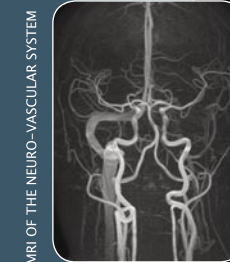
ABOVE: AXIAL SCAN OF THE KNEE
ABOVE RIGHT: SAGITTAL KNEE IMAGE



ABOVE: AXIAL SCAN OF THE PELVIS
LEFT: CORONAL SCAN OF THE ABDOMEN



ABOVE: AXIAL SCAN OF THE SHOULDER



MRI OF THE NEURO-VASCULAR SYSTEM



CORONAL SCAN OF THE BRAIN



RIGHT: MRI OF THE WHOLE SPINE

