



Diagnostic Imaging

MRI – Magnetic Resonance Imaging

Introduction

Your MRI scan will be carried out in the Diagnostic Imaging (X-Ray) Department at Dorset County Hospital.

Please use South Wing Entrance 1.

Please read this leaflet carefully. It will explain what will happen and why, and we hope it will answer some of the questions you may have.

What is an MRI scan?

MRI uses a very strong magnetic field and radio waves to create detailed pictures of tissues, organs and other structures inside your body. In many situations MRI provides unique information which can help your doctor to diagnose certain conditions or illnesses and plan your treatment.

Who can have an MRI scan?

Not everyone can have an MRI scan. As the magnetic field attracts metal objects it may not be possible, or safe, to have an MRI scan. The enclosed safety information leaflet contains all the details.

If you have a **plaster cast** on your wrist, please contact the MRI Department on 01305 255397 and discuss with a member of staff.

Are there any alternatives?

Other tests that do not involve magnetic fields include:

- CT scans (A special type of x-ray that takes 3-dimensional pictures).
- Ultrasound scans (involves the use of sound waves to create images).

Your doctor will be happy to discuss any alternative tests or procedures if they are applicable to you.

How is the MRI scan done?

The radiographer will ask you to lie on the scanner table which moves inside a large tubular machine. The scanner is open at both ends, is well lit and has a fan which gently blows fresh air over you. The radiographer who performs the scan will be able to see you at all times and can talk to you through an intercom. You will be given a buzzer to use if you need to alert staff during the scan. It is very important that you are comfortable and remain still as any movement can spoil the images. Staff will do their best to make you feel settled, secure and relaxed while you are in the scanner. You will hear loud knocking noises while the scanner is taking pictures but you will be given protective headphones and music can be played to you through these. (You may bring in a CD of your choice, if you wish).

When the scan is over the table is moved back out from the scanner.

How long does it take?

Most MRI scans take between 15 – 60 minutes.

The day of the examination

Please follow the instructions on your appointment letter. Please arrive in good time (at least 15 minutes before your appointment) for your examination. For some examinations you may be asked to arrive earlier than your appointment time in order to have a special drink which helps highlight the pictures.

How do I prepare for the scan?

MRI scans are routinely performed as an outpatient procedure.

You can eat and drink as normal prior to your scan unless you have been informed otherwise in your appointment letter.

On arrival you will be asked a series of questions, by a member of staff, to find out if you have any metal on or in your body. Then, for your comfort and safety, you will be asked to change into a hospital gown. Further information regarding this is available on the MRI waiting area noticeboard. Before entering the scan room you will be asked to remove your jewellery, piercings (not wedding rings), keys, coins, credit cards and other personal items, and place them in the secure locker provided, for safe keeping.

On entering the scan room the MRI Radiographer will confirm the safety checklist with you and ask you to sign a questionnaire and consent form.

Will I need to have an injection?

About 10% of patients may need to have an injection as part of the scan. This injection will highlight the pictures even more and help the doctors with the diagnosis.

The injection is very safe but a small number of patients may experience a reaction such as nausea, which staff are trained to deal with. This will be explained more fully at the time.

When do I get the results?

Your imaging examination will be reported on by a Diagnostic Imaging specialist – e.g. Radiologist, Sonographer, Reporting Radiographer.

The report will be issued to your referring G.P. or Consultant team who will inform you of the next steps in your care pathway.

The availability of the report can vary dependent on the type and complexity of the imaging examination.

Please note

If you are running late, please contact the MRI department. If you are late for your scan, your appointment may be delayed or re-booked.

Please do not bring young children with you as we cannot take responsibility for them whilst you are having your scan.

The MRI department also scans emergency patients from the wards. These patients will take priority and could delay your scan. The radiographer will inform you of any possible delays.

Finally

We hope that you have found this leaflet useful. If you have any questions or you are worried about anything, please contact the MRI department on: 01305 255397.

You can also contact NHS direct 24 hours a day on 0845 46 47 or www.nhsdirect.nhs.uk

About this leaflet:

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If you have feedback regarding the accuracy of the information contained in this leaflet, or if you would like a list of references used to develop this leaflet, please email pals@dchft.nhs.uk



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Williams Avenue, Dorchester, Dorset DT1 2JY
www.dchft.nhs.uk