

MRI Enterography scan

Radiology Department

The leaflet tells you about having a Magnetic Resonance Imaging (MRI) scan. It explains what is involved and the possible risks. This leaflet is not meant to replace any discussion between you and your doctor.

What is an MRI Enterography scan?

MRI uses a large magnet and a powerful computer which produces high quality images of the area of the body the doctor has asked us to scan. In enterography we are looking in detail at the small intestine. It may help your doctor diagnose inflammation, bleeding, obstructions and other problems. MRI does not involve any X-rays or ionising radiation.

How long will it take?

The scanning process will take about 30 minutes. The total time in the department will be about 1½ hours. We do try to run on time but occasionally the MRI Department will have to respond to emergencies which may delay your scan. We would keep you informed if this occurs.

What do I need to know before the scan?

Important Information:

Please read the following carefully as failure to do so may mean we are unable to carry out your scan when you arrive.

Do you:

- Have a pacemaker, internal defibrillator or artificial heart valve?
- Have any surgical clips in your head or body?
- Have any medical devices implanted in your body?

Have you:

- EVER had any metal fragments enter your eyes or body? Are you or might you be pregnant?

If any of the questions above apply to you, please phone the MRI Department to confirm whether you are able to have the scan.

The department can be reached Monday to Friday between 9am and 8pm on 01902 695927.

The prevention of infection is a major priority in all healthcare and everyone has a part to play.

- Please decontaminate your hands frequently for 20 seconds using soap and water or alcohol gel if available
- If you have symptoms of diarrhoea and/or vomiting, cough or other respiratory symptoms, a temperature or any loss of taste or smell please do not visit the hospital or any other care facility and seek advice from 111
- Keep the environment clean and tidy
- Let's work together to keep infections out of our hospitals and care homes.

Is there any preparation for the scan?

It is important that you have nothing to eat or drink for four hours prior to your examination.

Please complete the safety questionnaire enclosed and bring it with you to your appointment; this will be checked through with you prior to your examination.

Do not bring unnecessary amounts of money or valuables and please keep jewellery to a minimum as you will be asked to remove it before the scan. This also includes any metal objects worn for religious reasons. If you are unable to remove it this may result in us not being able to perform the scan.

We are unable to offer a child minding service so please do not bring young children with you.

If you wear a medicated skin patch, such as nicotine or HRT, you will be asked to remove it before your scan. Please bring a spare one with you to put on after your scan.

The examination will be explained to you and you will have the opportunity to ask any questions.

What will happen before the scan?

The first part of the procedure will require you to drink about two litres of fluid (Kleen prep solution) over a period of 40 minutes which will highlight your small bowel. The Kleen prep can have a mild laxative effect after the scan which may occur straight away or a few hours later.

You will need to get undressed and will be shown to a private cubicle to get changed into an examination gown. You may wish to bring your own dressing gown to wear over the top when in the waiting area.

All metal will need to be removed before the scan. The radiographer will explain the procedure for your examination.

What happens during the MRI scan?

You will be taken into the scanning room and asked to lie on the examination couch in a certain position; comfort aids such as straps and pillows may be used to help maintain the correct position during the examination.

Your scan involves two injections: The first injection is a drug called Buscopan which relaxes the muscle of the small bowel. It also relaxes the muscles in the eyes so you may have some blurred vision for up to 40 minutes after the scan; if you have problems with your eyes or suffer from Glaucoma - a condition affecting the pressure in the eyes, please tell the radiographer before the injection.

The second injection is a contrast dye which shows the blood supply to the small bowel and this will be given towards the end of the scan. You will have to drink plenty of fluid after your scan to flush the dye out of your body. The couch will be moved slowly to position the part of your body under investigation within the scanner.

During the examination you will hear a persistent loud drumming noise and it is very important you remain as still as possible.

You will be given headphones to help reduce the noise. The radiographers will move to the control room but you will be able to talk to them via an intercom when the scanner is quiet and they will be watching you all the time.

When you enter the MRI scanner special lights will be used to ensure that you are properly positioned. You will be given a buzzer which can be used to attract the Radiographer's attention if necessary.

During the scan, you will be asked to hold your breath while each image is being produced; you will be able to hear the radiographer giving the breathing instructions through the headphones.

Do you have any allergies or reactions?

If you suffer from hay fever, asthma, heart or kidney problems or have had a reaction to drugs in other tests, please let the Radiographer know on receipt of your appointment letter.

Are there any risks?

MRI scanning involves a strong magnet but provided you have answered the safety questionnaire correctly and followed the instructions given to you the risks from an MRI scan are minimal.

This MRI examination involves you having a contrast dye injected into a vein in your arm or hand in order to increase the amount of information obtained from the scan. The injection can cause side effects for a minority of people.

The vast majority of these reactions are mild, including coldness at the injection site, nausea with or without vomiting, headache, warmth or pain at the injection site, dizziness and itching.

Allergic reactions are very rare (less than 1%), a rash or hives are the most likely. More serious (Anaphylactic type) reactions are exceedingly rare (less than 1%). If a reaction is likely to occur it will be immediate and doctors, nurses and radiographers are trained to deal with these side effects. The main side effect from the Buscopan is blurred vision so do not drive until this has worn off (usually about 40 minutes).

Very rare side effects are red and painful eyes possibly with headache and/or loss of vision. If either of these symptoms occurs you should go immediately to an Emergency Department explaining you have had an injection of Buscopan.

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Occasionally the injection may leak out from the vein to the tissues under the skin – this is known as extravasation. If this has happened, you will experience a stinging sensation where the contrast has gone into the tissue and it can be painful. This will usually wear off after about 30 minutes.

Can I bring a relative or friend?

Yes, but they will not be able to accompany you into the MRI room.

When will I get the results?

We cannot give you the results of the scan on the day you attend. The scan will be reviewed by a Radiologist and a written report sent to the Consultant or General Practitioner (GP) who referred you. Your consultant will then arrange a follow up appointment to discuss the results of your scan.

Will there be students present?

Student Radiographers are regularly rotated into the MRI department and therefore may be present during your examination. If you would prefer them not to attend please let the supervising Radiographer know at the time.

What if I have a query about my scan?

If you have any queries about your scan, including any special needs you may have, or if you wish to alter the appointment please contact the MRI department.

If you need a translator please contact the MRI Department as soon as you receive your appointment letter to ensure that one can be organised before you come for the scan. The department can be reached Monday to Friday between 9am and 8pm on 01902 695927.

Please note that in view of patient confidentiality, we are unable to discuss any details concerning this appointment with anyone other than you.

Where can I get further information?

Websites:

For general information about radiology departments, visit The Royal College of Radiologists' website www.rcr.ac.uk

Transport Information

Public transport:

New Cross Hospital is within easy reach from Wolverhampton Town Centre. The site is serviced by a regular bus timetable, details of the buses coming to the hospital are on our website www.royalwolverhamptonhospitals.nhs.uk or telephone Centro Hotline 0121 200 2700.

Wolverhampton has a regular main line train service with trains arriving from Birmingham approximately every 30 minutes. Please consult timetables for availability of other services.

Car parking:

Please leave plenty of time to find a parking space as parking is limited. There are 3 MRI Scanners at New Cross Hospital. Please check your appointment letter to see where your appointment is.

The nearest car park for Levels 1 and 2 MRI scanners in the Radiology Department is P6 situated on the south side of the hospital.

The nearest car park for the Emergency Department MRI scanner in UECC (Urgent & Emergency Care Centre) is P3, which is on the east side of the hospital.

Radiology Department

MRI Levels 1 and 2 are situated in the Radiology Department, which is situated close to Greggs bakery in the atrium area in Zone A2. The Emergency Department MRI Scanner is located in the UECC (Urgent & Emergency Care Centre) Zone C, C50.

A site map can be found on the reverse of your appointment letter.

English

If you need information in another way like easy read or a different language please let us know.

If you need an interpreter or assistance please let us know.

Lithuanian

Jeigu norėtumėte, kad informacija jums būtų pateikta kitu būdu, pavyzdžiui, supaprastinta forma ar kita kalba, prašome mums apie tai pranešti.

Jeigu jums reikia vertėjo ar kitos pagalbos, prašome mums apie tai pranešti.

Polish

Jeżeli chcieliby Państwo otrzymać te informacje w innej postaci, na przykład w wersji łatwej do czytania lub w innym języku, prosimy powiedzieć nam o tym.

Prosimy poinformować nas również, jeżeli potrzebowaliby Państwo usługi tłumaczenia ustnego lub innej pomocy.

Punjabi

ਜੇ ਤੁਹਾਨੂੰ ਇਹ ਜਾਣਕਾਰੀ ਕਿਸੇ ਹੋਰ ਰੂਪ ਵਿਚ, ਜਿਵੇਂ ਪੜ੍ਹਨ ਵਿਚ ਆਸਾਨ ਰੂਪ ਜਾਂ ਕਿਸੇ ਦੂਜੀ ਭਾਸ਼ਾ ਵਿਚ, ਚਾਹੀਦੀ ਹੈ ਤਾਂ ਕਿਰਪਾ ਕਰਕੇ ਸਾਨੂੰ ਦੱਸੋ।

ਜੇ ਤੁਹਾਨੂੰ ਦੁਭਾਸ਼ੀਏ ਦੀ ਜਾਂ ਸਹਾਇਤਾ ਦੀ ਲੋੜ ਹੈ ਤਾਂ ਕਿਰਪਾ ਕਰਕੇ ਸਾਨੂੰ ਦੱਸੋ।

Romanian

Dacă aveți nevoie de informații în alt format, ca de exemplu caractere ușor de citit sau altă limbă, vă rugăm să ne informați.

Dacă aveți nevoie de un interpret sau de asistență, vă rugăm să ne informați.

Traditional Chinese

如果您需要以其他方式了解信息，如易读或其他语种，请告诉我们。

如果您需要口译人员或帮助，请告诉我们。