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اگر نیاز به ترجمہ دارید، لطفاً با شماره 01932 723553 تماس بگیرید.

ने उदाहृ उरममे दी लेउ वै उं विरध वरवे इस नंवर उे डेन वरवे: 01932 723553

اگر آپ اس کا اردو زبان میں ترجمہ چاہتے ہیں، تو براہ کرم اس فون نمبر 01932 723553 پر رابطہ کریں

Se precisa de uma tradução por favor contacte: 01932 723553

আপনার অনুবাদের দরকার হলে এখানে যোগাযোগ করুন : 01932 723553

यदि आपको अनुवाद की जरूरत है तो कृपया इस नंबर पर फोन करें: 01932 723553

Jeżeli chcemy, aby te informacje w innym języku, proszę zadzwonić 01932 723553

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MRI Musculoskeletal Imaging Department



Further Information

We endeavour to provide an excellent service at all times, but should you have any concerns please, in the first instance, raise these with the Matron, Senior Nurse or Manager on duty.

If they cannot resolve your concern, please contact our Patient Experience Team on 01932 723553 or email asp-tr.patient.advice@nhs.net. If you remain concerned, the team can also advise upon how to make a formal complaint.

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scan. You will be given ear plugs or headphones and will be offered a choice of music to listen to during the scan.

During the scan you will hear loud knocking noises, which occur in bursts during each imaging sequence. The radiographer will be able to see and hear you during the scan and can talk to you through an intercom.

Scans usually take about 20 – 30 minutes depending on the part of the body being scanned. During the scan you must remain motionless or else the images obtained will be blurred, and they may have to be repeated.

For some scans, an injection of a contrast agent (dye) may have to be given into a vein, to help with the interpretation of the scan. You should inform the staff if you have any known allergies. If you have severe kidney problems we cannot use the injection. Your referring doctor will be asked to provide us with an up to date test of your kidney function to ascertain whether it is safe to use the injection.

After the Scan

You should be able to leave immediately after the scan and continue normal activities. If you have been given a sedative, you should not drive, operate machinery or drink alcohol for 24 hours.

The MRI scanner generates a large number of images, which will be reported by a radiologist (X-Ray Doctor). The report will be sent to the doctor who referred you for the scan.

MRI SCAN – Musculoskeletal

Magnetic Resonance Imaging (MRI) is an advanced method of creating images of the inside of the body without using X-rays or other forms of ionising radiation. It uses a combination of strong magnetic fields and radio waves, and a computer to produce pictures of any part of the body. MRI scans can be used to image the brain and spine, the heart and blood vessels, the liver and biliary system, kidneys and urinary tract, pancreas, uterus and ovaries, bowel and any sites of inflammation and tumour growth.

In the musculoskeletal system, MRI is used to evaluate:

- joints for trauma, including ligament and tendon injuries and fluid collections, meniscal tears in knees, degenerative and arthritic changes;
- muscles for strains, tears, haematoma, infection and other forms of inflammation;
- bones for fractures (including stress fractures), bruising and inflammation including osteomyelitis, and tumours;
- soft tissues for cysts and tumours;
- the spine for disc disease including protrusions and discitis, fractured and collapsed vertebrae, spinal cord and nerve root compression and inflammation within or around the spinal cord.

Preparing for an MRI scan

Usually, no special preparation is required. You can eat and drink normally unless you are told not to. You can continue normal

activities. You should continue to take regular medication unless you are told otherwise.

You should inform the staff in the scanning department if you have:

- a pacemaker
- an artificial heart valve
- clips on blood vessels in the brain (for bleeding aneurysm)
- cochlear (inner ear) implants
- metal implants including joint replacements
- neuro-stimulators (TENS unit)
- an implanted drug infusion device
- exposure to metal fragments in the eyes
- impaired kidney function
- any allergies

You should also inform staff if you may be pregnant.

You will be asked to fill out a safety questionnaire before the scan.

If there is any doubt about whether you may have metal fragments in your eyes or elsewhere in your body, you may be required to have an X-ray to exclude this possibility before you can enter the scanning room.

You **must not** take any of these items into the scanning room:

- coins

- jewellery
- watches
- keys
- credit cards or any other card with a magnetic strip
- hairpins/wigs
- hearing aids
- mobile phones and other metal objects
- dentures or partial plates

Comfortable clothing should be worn, without metal zips, fasteners or belt buckles. Depending on which part of the body is being scanned you may be asked to change into a patient gown. You may bring a CD with you if you wish to listen to music of your own choice.

If you are claustrophobic, you should inform staff. Usually, with the help and support of our experienced staff, you will be able to tolerate the scan. If not, you may ask your doctor to prescribe a sedative.

The Scan

MRI scanning is safe and painless.

You will be asked to lie on a narrow table, and receiving coils or pads may be placed around the region of interest. The table will then be moved into the scanning machine, which looks like a short tunnel, but is open at both ends. You will be given a buzzer which you can press if you need to attract attention during the