

Preparation Instructions for Patient

IMPORTANT REMINDERS

The following items may compromise patient safety and interfere with the MRI scan. Please highlight to us if you possess any of the following:

• I U C D (Intra- Uterine Contraceptive Device)	• Metal rods, plates, pins, screws, nails or clips implant
• Cardiac pacemaker/defibrillator	• Wire sutures, wire / metal mesh and staples
• Ear implants / surgery	• Clips: aneurysm, vascular, aortic, ligation
• Stents	• Prosthetic limb / eye
• Artificial heart valve	• Monitoring equipment
• Shunts (spinal or intraventricular)	• Infusion pumps
• Hearing aids / devices	• ATM / Credit cards
• Shrapnel / metallic foreign body	• Cellular telephone
• Joint replacements	• Jewellery / Watches
• Braces, bridge work, dentures or partial plates	• Any metallic / electronic device

MRI Head and other regions

- Do not apply any substances to the hair (e.g. hair spray, mousse, etc) and no makeup should be used as these may affect the images.

(Staff to the appropriate boxes)

Requires sedation

- Consent
- Arrange for admission the day before
- Please FAST according to the stipulated timings below:

Duration of fast	Age Range
<input type="checkbox"/> Omit last feed	▪ < 1 year old
<input type="checkbox"/> 4 hours Fasting start time: _____	▪ 1 – 10 years old
<input type="checkbox"/> 6 hours Fasting start time: _____	▪ > 10 years old

**If appointment time is changed, please adjust fasting start time accordingly.*

This brochure is classified as Unclassified, Non-Sensitive

The information in this brochure is meant for educational purposes and should not be used as a substitute for Medical diagnosis or treatment. Please seek your doctor's advice before starting any treatment, or if you have any questions related to your health, physical fitness or medical condition.

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Information is correct at time of printing Mar 2024 and subject to revision without prior notice.

Magnetic Resonance Imaging

Patient Information Leaflet

National University Hospital

5 Lower Kent Ridge Road, Singapore 119074
 OneNUHS Hotline: (65) 6908 2222
 OneNUHS General Enquiries: contactus@nuhs.edu.sg
 OneNUHS Appointments: appointment@nuhs.edu.sg
www.nuh.com.sg

Alexandra Hospital

378 Alexandra Road, Singapore 159964

Magnetic Resonance Imaging (MRI) is a medical diagnostic technique which uses strong magnetic field and radiofrequency waves to produce diagnostic images. This technique provides very clear and detailed images of internal organs and tissues. MRI is a relatively safe, non-invasive and painless form of imaging.

What to Expect During the Procedure

You will be asked to lie down on a padded table which will be moved into the scanner. Once you are comfortably positioned, it is important to relax and keep completely still during the scan as movement will result in unclear images.

It is common to hear knocking, humming and thumping sounds during the scan. Ear plugs will be provided to muffle the sound. An intravenous cannula will be inserted into your arm or back of hand if contrast is required for your scan.

You can expect to spend approximately two to three hours at the imaging centre. While the procedure itself will take between 30 to 60 minutes (depending on the type of investigation you require), you will be required to go through the pre and post procedure preparations. It is therefore advisable that you do not schedule other appointments within this period.



On the Day of Procedure

- You will need to fill in a safety screening form prior to the start of the procedure.
- The radiographer will explain the procedure and answer any questions you may have.
- You will be required to remove items such as wallet, watch, keys, magnetic strip cards (e.g. ATM, credit card) as the force of the magnetic field can attract such magnetic objects and/or erase and alter the information in them. Lockers are provided for storage of your belongings.
- You will need to change into our examination gown in preparation for the scan.
- Relax, keep completely still and breathe normally throughout the scan unless instructed otherwise.
- It is normal to experience a warm feeling around the area being examined.
- A call bell will be provided to you should you require assistance during the scan.
- Please inform the radiographer if you are claustrophobic, pregnant, have metal implants or pacemaker.



After the Procedure

You may resume normal activity after the procedure. Your doctor will advise you of the results at your next appointment.

What Are the Risks

The main risks of the procedure

- Allergic reactions to contrast agent and leakage of contrast outside the vein. These risks are low and we will take all necessary precautions to minimise these risks.
- Undetected metal implants may be affected by the strong magnetic field.

Should you have any queries or require further clarifications, please contact:

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 Department of Diagnostic Imaging
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 Fax: (65) 6779 5219
 Email: DDI_enquiries@nuhs.edu.sg

Alexandra Hospital
 Diagnostic Imaging
 Tel: (65) 6379 3280
 Fax: (65) 6379 3289
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Your MRI Appointment

<p>National University Hospital <u>Diagnostic Imaging</u></p> <p><input type="checkbox"/> Main Building, Level 1 (MB L1) <input type="checkbox"/> Kent Ridge Wing, Level 3 (KRW L3) <input type="checkbox"/> Medical Centre, Level 4 <input type="checkbox"/> MRI @ Medical Centre, Level 8, Radiotherapy Centre</p>	<p>Alexandra Hospital <u>Diagnostic Imaging</u></p> <p><input type="checkbox"/> DI 2, Block 6, Level 1</p>
<p>Patient Particulars</p> <div style="border: 1px solid black; height: 100px; width: 100%;"></div>	<p>Appointment Date & Time :</p> <p>_____</p> <p>Estimated Fees :</p> <p>_____</p>
<p>Note:</p> <ul style="list-style-type: none"> Please do not bring valuables or excess cash with you. Patients and visitors are responsible for personal belongings. No medical certificate can be issued for this appointment. Certificate of attendance will be given on request. <p style="text-align: center;">Late arrival may result in rescheduling of appointment.</p> <p style="text-align: center;">Please arrive at least 15 minutes before the appointed time to register and prepare for the procedure. We appreciate your understanding should an unforeseen delay occur due to medical exigencies. Kindly inform us if you are unable to keep to the scheduled appointment.</p>	