



Must Remove Items

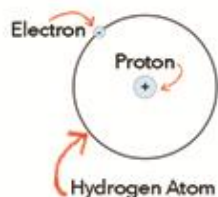
eg. coins, earrings, watch, phone, iPod, keys, glasses, belt.



You may lie head first or you may be feet first. You can still watch a movie the whole time.



The scanner is very noisy. You will have ear protection and we can still hear and talk to you.



FACTS ABOUT MRI



- MRI stands for **Magnetic Resonance Imaging**.

- **Cool physics!** - A super cooled magnet + radio waves + quantum spin = a 3d picture of inside you.

- A 1p coin will accelerate above 40mph in the bore of the scanner.

- The scanner's main magnet creates a magnetic field that is 30,000 to 60,000 times stronger than the earth's magnetic field, yet hardly uses any power.



Come for your MRI Scan

Magnetic Resonance Imaging

Small bowel with lactulose

At The Imaging Department

Place Royal Hospital for Children and Young People
Little France
Edinburgh
EH16 4SA

Tel: 0131 312 0896



SCAN and Find more information about Scans and X-rays



Information for parents and carers -

MRI Scan – Small bowel with lactulose

What is an MRI scanner and how does it work?

The initials MRI stand for Magnetic Resonance Imaging. Magnetic fields, radio waves and computers are used to produce picture 'slices' of the human body. It does not use any x-rays and is considered completely safe.

What will the MRI examination involve?

Please follow the preparation guidelines for this scan. The doctor looking after your child will have given you a prescription for 50mls lactulose. Please ensure you have the lactulose **prior** to the appointment date. **If you haven't been given a prescription please contact the GI team on 0131 312 0439.**

Your child will lie on a bed within the scanner and will be closely monitored by the radiographer. They will feel no effects during this scan. The scanner makes a banging noise so appropriate ear protection will be placed on your child. You can bring a DVD with you for your child to listen to or watch whilst the scan is being carried out (we also have a large selection of films). The radiographer will be able to see your child at all times throughout the scan. The scan should take less than 30 minutes, although please allow 2 hours as sometimes movement of fluid through the gut is slow. Your child will not be in the scanner all the time but may have to have several scans over this period.

You will be asked to stay in the scanning room with your child. If you are or may be pregnant or have any items listed under **Important safety information** you will not be able to stay in the room while the scan is being done. In this case another familiar adult should stay with your child.

Important safety information.

Please complete the enclosed safety questionnaire for your child and return when attending for your appointment. As MRI uses a strong magnet, it may not be possible to have an MRI scan if your child has:

- | | | |
|---|---|--|
| <ul style="list-style-type: none">*A heart pacemaker*Certain inner-ear implants*Metal fragments within their eyes or head*Surgical clips within their head*Neuro-electrical stimulators | } | <ul style="list-style-type: none">*some other implants e.g. artificial heart valves, orthopaedic implants or plate. (hip replacements are generally safe). |
|---|---|--|

Please contact the MRI unit if you or your child have any of the above or have a programmable shunt.

What if my child is taking medication?

Do not stop taking any prescribed medications. The scan will not affect the usefulness of the drug. If you have any questions please contact the department.

What Preparation is required ?

Important information – please read

Your child is required to be fasted for this scan.

Ensure no solid food is eaten 4 hours prior to appointment time.

Water can be given up till 1 hour prior to appointment time.

To prepare the lactulose mixture, mix 50mls lactulose with 50mls of water, diluting juice/ squash can be added to flavour the mixture if required.

Please drink this mixture 1 hour before your appointment time,

this gives the contrast time to reach the small bowel. After taking the lactulose mixture your child can drink water or squash until the scan time.

Zips or clips on clothing can affect the images. Please bring pyjamas or plain clothes such as a plain t-shirt (with no sparkly motifs) and jogging bottoms for your child to wear. For an **MRI** scan you **Must Remove Items** – Metal objects such as watches, removable dental plates or braces, hearing aids, mascara, jewellery, including piercings, must be removed. A locker will be provided for personal items, however, where possible, please leave these items at home.

How will I get the results of the test?

The result will be sent to the doctor who asked for this test, normally within 7-10 days. The doctor who has asked for the test will then send you a follow-up appointment to discuss your results with them.

What if I do not speak English?

If you need help with the English language please phone **0131 312 0896** as soon as possible and we can arrange an interpreter for you.

For more information about the Imaging Department and your scan.

Please visit www.children.nhsllothian.scot/the-rhcyp

You can scan the QR code on the front of this leaflet.

How do I get to the MRI Department.

The MRI Department is in the Imaging Department on the ground floor. Book in for your appointment at the Imaging Department reception.

Public Transport and Travel Information.

Bus details available from:

Lothian Buses on 0131 555 6363 or www.lothianbuses.co.uk

Traveline Scotland on 08712 002 233 or www.travelinescotland.com

Train details available from:

National Rail Enquiries on 03457 484 950 or www.nationalrail.co.uk

Keeping your appointment - If you cannot keep your appointment, or have been given one that is unsuitable, please change it by phoning the number on your appointment letter. Your call will give someone else the chance to be seen and will help us keep waiting times to a minimum.