Magnetic resonance imaging (General instruction)

You have an appointment for a magnetic resonance imaging scan. Please, fill out the pre-operation health questionnaire (page 4) and take it with you when you come for the examination.

## Preparation for the examination

If you need an interpreter during the appointment, please contact the attending unit.

You can eat and drink as usual and take you medicines. **For a head scan,** you cannot wear any eye makeup. You should not wear any jewellery or body jewellery during the examination, please removed them in advance. Medicated bandages and glucose meters will be removed at the magnetic resonance imaging unit, so keep the old one until the scan.

Any clothing containing metal has to be removed before the examination. If necessary, you can wear hospital clothes. We have lockers for valuable belongings. Before entering the diagnostic room, a cannula may be inserted into your vein to administer contrast medium.

## Examination

Magnetic resonance imaging, or MRI, uses a magnetic field and radio waves to produce images. No x-rays are used. The examination does not hurt or appear to have any adverse effects. The MRI scanner is a tube-like well-ventilated device, open at both ends and well-lit (inner diameter of 70 cm). During the examination, you have signalling and speech connection to the nurse performing the examination.

The examination takes 20 to 60 minutes. The same scanner is used also for examining emergency cases and occasionally this may cause changes in the schedule. Allow enough time for the examination.

A radio frequency transmitter (coil) is placed close to (above, under or around) the section of your body that will be scanned. Examination position varies, but we try to make you as comfortable as possible. You must stay very still for the examination to be successful.

Noise level during the scan is high and therefore you will be given a hearing protector. You may be given breathing instructions through the hearing protector communication system during the examination. During most examinations you may listen to radio.

During the examination you may be given MRI contrast medium (Gadolinium) to better distinguish differences between various tissues. The contrast medium does not contain iodine and will be excreted from your body through kidneys into urine.

## After the examination

The examination requires no aftercare. If contrast medium was injected, the injection site will be checked before you may leave. Your doctor will discuss the examination results with you.

## Contact information

Magnetic resonance imaging scans are carried out at the following facilities at Oulu University Hospital:

**G-imaging:** Avohoitotalo,Entrance G**,** R floor

**B-imaging, (**Päivystysröntgen)**:** Entrance NK**,** location K1**,** 1st floor. Sign-in next to the front door on the right.

**Lasten röntgen:** Entrance LB or LA**,** location L6, R floor.

If you wish to have additional information about the examination,

**Phone number**: 040 5811728, call us during working days between 8:00 and 14:00

# Pre-procedure health questionnaire for MRI examination

|  |  |  |
| --- | --- | --- |
| Last name and first name(s) | | |
| Personal identity code | Height | Weight |

MRI scan is a safe medical imaging procedure. Certain metal items and foreign bodies may interfere with image quality, are a risk during scanning or be broken by the strong magnetic field of the scanner. Please, answer the following questions carefully, even if you had earlier filled out the same questionnaire.

**Please call, tel. (08) 315 2497, if you answer ‘yes’ to any of the following questions:**

Yes \_\_\_ No\_\_\_ A pacemaker, neurostimulation system or an inner ear implant.

Yes \_\_\_ No\_\_\_ A medication pump (e.g., for insulin, pain-relieving drugs, etc.)

Yes \_\_\_ No\_\_\_ Other electronic devices or wires of a removed device.

Yes \_\_\_ No\_\_\_ Metal fragments, shots or bullets.

Yes \_\_\_ No\_\_\_ Are you pregnant?

Yes \_\_\_ No\_\_\_ Are you worried about being in a confined space?

Yes \_\_\_\_ No \_\_\_ Are you on dialysis?

**Please, answer also the following questions (no need to call)**

Yes \_\_\_ No\_\_\_ Artificial joints.

Yes \_\_\_ No\_\_\_ Artificial heart valve.

Yes \_\_\_ No\_\_\_ Middle ear prosthesis.

Yes \_\_\_ No\_\_\_ Hearing aid (please remove for the examination)

Yes \_\_\_ No\_\_\_ Blood vessel prosthesis, stents or shunts.

Yes \_\_\_ No\_\_\_ Venous ports or other catheters.

Yes \_\_\_ No\_\_\_ Other prostheses or implants, if yes, please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Yes \_\_\_ No\_\_\_ Surgical clips or coils.

Yes \_\_\_ No\_\_\_ Locking plates or screws.

Yes \_\_\_ No\_\_\_ Glucose meter (must be removed before the examination)

Yes \_\_\_ No\_\_\_ Medication patch (must be removed before the examination)

Yes\_\_\_ No\_\_\_ IUD or sterilisation clips.

Yes\_\_\_ No\_\_\_ Other type of foreign body.

Yes\_\_\_ No\_\_\_ Tattoos or permanent pigmentation.

Yes\_\_\_ No\_\_\_ Body jewellery, fixed jewellery e.g., eye lash jewellery.

(must be removed before the examination)

Yes\_\_\_ No\_\_\_ Do you have chronic kidney disease?

**If you have had surgeries, please specify (time and location):**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**When do you have an appointment or a telephone appointment for your doctor?**

date/time \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If you have someone with you, he or she may, if necessary, accompany you to the diagnostic room. Please note, the accompanying person has to comply with the same safety rules as the patient.

|  |  |
| --- | --- |
| **Signed by the person who filled out the questionnaire.** | **Date** |