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Magnetic Resonance Imaging

Radiologie

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Dear patient,

With this information sheet we would like to advise you of your planned procedure. Please read this document and if you have any questions please ask the staff before the exam begins.

MRI, what is it?

MRI is a non-invasive imaging technology that produces three dimensional detailed anatomical images without the use of radiation. It is often used for disease detection, diagnosis, and treatment monitoring. It is based on sophisticated technology that excites and detects the change in the direction of the rotational axis of protons found in the water that makes up living tissues.

Prior to the Examination:

Due to of the strong magnetic field in the exam room, you must remove all metal objects such as jewellery, watches, keys, coins, metal parts on clothing, hair clips, dentures, and above all, also magnetic cards and electronic devices such as mobile phones and hearing aids.

In some cases we have to check if a scan can be performed. E.g.:

- Cardiac pacemaker, neurostimulators, cochlear implants, insulin pumps and other electronic implants
- Vessel clips (clips on cerebral vessels) after operations prior to 1990 (cerebral vessels after 1990 are made of non-magnetic material).
- Metal fragments in the eye

If you have metal parts like the one above in your body please contact the staff of the radiology department.

The Procedure:

Depending on what is being investigated, the examination takes approx. 30 – 50 minutes. You must remain still, and in particular, you should not move your arms, legs or head. Please use the toilet before the examination. Because of the loud noise made by the machine, you will be offered earplugs or headphones with music to distract you. It may be necessary to inject a contrast medium into a vein in your arm, which is why we may prepare an intravenous line (infusion) before the start of the exam. You will be given an alarm button, which you can activate if absolutely necessary. The staff can see you throughout the examination and you will be able to speak to the technician via an intercom.

Often an i.v. injection of contrast medium is necessary. It is a standard and safe procedure. But in rare cases side effects can occur:

- rare: itching, sneezing, rash, nausea
- extremely rare: allergic reactions like breathing problems, drop in blood pressure or heart failure, which can lead to intensive care

During the injection of the contrast medium, you may experience a cold/warm sensation, as well as a metallic taste in your mouth. This reaction disappears within a short period after the injection.

Patientenettikett

Name/Vorname: _____

Geburtsdatum: _____

Magnetic Resonance Imaging

Questionnaire:

To help us plan the MRI exam safely we ask you to answer the following questions:

- body weight: _____ height: _____
- Do you have a pacemaker or an artificial heart valve? Yes No
- Do you have nerve stimulator, insulin pump, VP-shunt or cochlear implant? Yes No
- Do you suffer from claustrophobia? Yes No
- Do you have any metal objects in your body? E.g. Clips
_____ Yes No
- Do you have any tattoos or unremovable piercings? Yes No
- Have you ever had a metal splinter injury? Yes No
- Do you suffer from allergies (e.g. Hay fever/Asthma)? Yes No
if yes, which ones? _____
- Do you suffer from a kidney disease? Yes No
- women: can you possibly be pregnant? Yes No

If you have answered specific questions with “yes“ the radiologist will talk to you. Together you will determine if any safety measures are necessary for the procedure to take place. If you have any questions regarding the scan please don't hesitate to ask us.

Informed Consent:

I confirm that I have understand the information provided on the other side, answered the above questions conscientiously and truthfully and that I agree to the examination being conducted with an injection of contrast medium.

city, date

name of patient

signature patient

used by radiology department:

Identität Patient ok

Überweisung ok

Krea _____

Krea-Clear _____

Visum MTRA