



INFORMATION ON MRI EXAMINATION

Dear Patient!

You have been referred to an MRI scan by your doctor to accurately examine your illness and symptoms, and to select/follow the appropriate treatment. Please read carefully the following informations about the MR examination procedure, the possible complications of it, and your tasks. If you have any further questions, please contact the investigating operator or the physician guiding the investigation. MRI scans are scheduled, but please understand that due to the urgency of more severe patients or due to the delay in examining the patient in front of you, your examination may start later than the specified time! It will greatly help the success of your test if you get information about the examination and prepare for it as described below during your waiting time.

Information about the examination:

MRI examination is a state of the art procedure for modern imaging diagnostics. During the test using a strong magnetic field we take computer generated images of the examined organs and the specific parts of the body in different planes. The method is able to detect abnormalities with high accuracy. This procedure does not use ionising radiation. To the best of our knowledge, even repeated examinations do not harm the examined person, so there are no harmful effects or consequences.

Tasks before the test:

Due to the fact that the measurements are made with radio frequency waves in strong magnetic field, the test cannot be performed in patients who have had a pacemaker or any other electronic device implanted or a metal clip has been inserted during cerebral surgery. Devices that contain magnetizable material (iron, steel) can move out of place in the magnetic field, causing serious or even life-threatening injury or invaluable testing. Such devices are for example, hip or other joint prosthetics, nails, screws, metal valves, nerve or vascular surgical tourniquets, etc. If such or similar devices are present in your body, please be sure to notify the administration assistant or the operator performing the examination. You must remove the metal objects worn on your body (hearing aid, watch, necklace, metal buckle, body jewelry, denture, etc.), empty your pockets (coins, keys, pens, credit cards, mobile, etc.) and leave them in the undressing. Objects that are electrically powered or contain magnetic parts can be destroyed in the strong magnetic field, for which we cannot take responsibility! If you have any metallic beauties on your face (glitter powder eyeshadow, powder, etc.), be sure to remove it before entering the test room, as they will also make the test invaluable. You can take your daily medicine on the day of the examination with some water. Do not eat for 3 hours before the test, but drink liquid (water). If you receive intravenous contrast agent during the test, drink plenty of fluids for the following 2-3 days.

Test procedure:

The test is 15-40 minutes long. It is performed in a supine position and does not cause any harm. The only downside is that the patient has to lie in a relatively tight space, which can lead to claustrophobic feelings. During the test special machine noises can be heard. If you are disturbed by these noise, ask the operators for an earplug. If you are scared or feel anxious, you can talk to the assistant through a microphone or call him or her at any time using an emergency pump.



Possible dangers, complications:

When we need a more accurate picture of the function of an organ or a lesion in an organ then administration of intravenous paramagnetic contrast agent is required, stated by professional recommendations. This is most often given through an arm vein into your body.

Contrast hypersensitivity/allergy is rare. Most common symptoms are swelling of the face/lips/tongue/throat, coughing, itching, runny nose, sneezing, hives, breathing difficulty, choking. If any of these or some other symptoms occur after administration of the contrast medium, please inform the testing operator immediately. Note that these symptoms may occur within 24 hours or even later, in which case please report them to the

emergency department or to your doctor. Allergies are mostly mild, and rarely severe. It is very rarely when a so called anaphylactic shock condition occurs, and our institute is well equipped and prepared to prevent it. In case if you have kidney failure, the paramagnetic contrast agent can cause scarring of the kidneys, or even of the whole body. To avoid this, please answer properly to the questions asked during your consent by our colleague. If you have more than one risk factor, knowing the results of a laboratory test for kidney function is important to avoid possible kidney damage.

Please make sure to consult about the MRI test and the administration of MRI contrast medium with your doctor and the radiologist performing your examination in case of pregnancy and lactation before your test. If you are breast feeding, we recommend that you do not breast-feed for two days after receiving the contrast medium. If you have any further questions, feel free to contact the operator performing or the specialist leading the test.

Information about the findings:

After the test it takes a few days to prepare the written find and the pictorial documentation. Finding can be picked up personally at the reception by the patient or his/her representative. In case of your representative a power of attorney form is needed, for which you can ask at the reception.

If you have any further questions, feel free to contact the doctor performing the examination, or the assisting operator!

Thank you for your cooperation!

Prof. Dr. Bogner Péter
head of department