

# MR

PATIENT INFORMATION

Dear patient,

Your doctor has referred you for a magnetic resonance tomography. Please read the following text for your own information and then answer the questions below. If you have any further questions, please contact the staff responsible for the medical technology, or the doctor.



### What is magnetic resonance tomography?

Magnetic resonance tomography is used to examine the body without using X-rays. Short bursts of radio waves are generated through strong magnetic fields. The signals that are received from your body are analysed by a computer. The examination is completely painless and no harmful effects are known at present.



### How is the examination carried out?

Depending on the organ being examined, the examination takes between ☉ 15 and 30 minutes. During the examination, you lie in a tube, and will hear loud tapping noises. It is very important that you lie completely still, since even small movements cause image interference.



### Why is a contrast medium used?

Depending on the examination and the referring diagnosis, the injection of a contrast medium may be necessary to allow certain pathological changes to be diagnosed more easily and precisely.



### Are there any complications?

At the puncture site, a haematoma and, very rarely, an infection are possible. A normal reaction to contrast media is a feeling of warmth often experienced during the injection. There are sometimes intolerance reactions, such as slight fluctuations in blood pressure, nausea or pain, itchiness and wheals. In very rare cases, serious side effects such as shortness of breath, a sudden drop in blood pressure, cardiac arrhythmia or spasms have been observed.

As for almost every medically necessary diagnostic intervention, a life-threatening complication is possible, but extremely unlikely. Severe complications are extremely rare (1:10,000), and the risk of the examination is therefore very low compared to the advantage achieved through the examination. If side effects should occur, medical help will be available immediately.

In a certain lying position that cannot be defined more precisely, in combination with a certain amount of skin moisture, there may be superficial skin burns in very rare cases, as a result of magnetic loop formation.

To be able to assess whether you have an existing increased risk, we request that you answer the following questions by checking the relevant boxes.

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1. Have you ever had an MRT examination? ☐ YES ☐ NO

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2. Do you have any allergies or intolerances to medication? ☐ YES ☐ NO

Allergic reactions to MR contrast media have been observed extremely rarely. Iodine allergies are not relevant to this examination.

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3. Do you have a kidney disease or an impaired renal function? ☐ YES ☐ NO

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4. Do you have a pacemaker or a drug pump? ☐ YES ☐ NO

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5. Do you wear a hearing aid? ☐ YES ☐ NO

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6. Do you have any implants or prostheses? ☐ YES ☐ NO

e.g. middle ear implants, cardiac valve prostheses or hip prostheses

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7. Do you have any metal parts or metal splinters? ☐ YES ☐ NO

e.g. piercings, intramedullary rods

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8. Have you had a heart or head operation? ☐ YES ☐ NO

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9. Are you pregnant or breastfeeding? ☐ YES ☐ NO

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HAVE YOU HAD ANY OPERATIONS OR INJURIES IN THE REGION TO BE EXAMINED?

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YOUR CURRENT COMPLAINTS ARE:

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Height



Weight

**PLEASE NOTE:**

IF YOU ARE GIVEN A SEDATIVE, YOU SHOULD NOT DRIVE OR OPERATE DANGEROUS MACHINERY FOR ⌚ 24 HOURS.

I confirm that I have read and understood the text, and have answered the questions that apply to me to the best of my conscience. I agree to the proposed MRT examination being carried out.

I agree to the electronic archiving of results and images, medical data retrieval and data being passed on to other doctors treating me.



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Patient's name and date of birth

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Date



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Signature of the patient  
or legal representative

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Name and signature of  
the doctor/radiographer