

MRI information sheet

What is MRI?

MRI or magnetic resonance imaging is a modern imaging technique which takes images of the human body. Instead of X-rays, magnetic fields and radio waves are used. The examination is gentle and painless.

Before the examination

Examinations of patients with cardiac pacemakers, implanted defibrillators or cochlear implants are often restricted or impossible, since the magnetic field can influence these medical devices. In case of artificial heart valves, aneurysm clips or intrauterine device, detailed product information from the manufacturer regarding MRI compatibility compatibility (manufacturer's certificate, Internet) will be needed. After the examination, it is recommended to get the correct position of the intrauterine device checked by a gynecologist.

Please undress as instructed in the cabin. It is important that all metal-containing objects are deposited (belt buckles, bras, jewelry, piercings, hearing aids, tooth or hairpins). Mobile phones, debit or credit cards need to stay in the changing room, to prevent damages by the magnetic field.

During the examination

At the beginning you will be positioned in a comfortable way, which ensures an optimal examination. You may close your eyes. You will be moved into the short tunnel, which is open at both ends. Fresh air is supplied during the entire time. During the examination you become noticeable by the staff through a bell at any time.

Depending on the body part the measurement usually takes about 15-30 minutes. The scanner generates various knocking noises. You get headphones and earplugs from us to reduce the sounds.

If you tend to very great nervousness or anxiety, please inform us. There is the possibility to give a sedative. In this case, however, you can not actively participate in road traffic, operate machinery or carry out work until 12 hours after the drug administration, as your reaction time will be significantly reduced. You will need an escorting person for help and need to get a sick note by a physician.



Praxis für Radiologie
Dr. Hothan

Risks and complications

The best results are achieved when you are calm, relaxed and do not move.

Current scientific knowledge doesn't show any harmful effects on the human organism through applying magnetic field and radio waves. The MRI examination itself is painless. Metallic ingredients particularly in elder tattoos or makeup may cause skin irritation. Therefore it is important that you do not change your position during the examination.

Contrast agent

For certain questions the use of a contrast agent will be necessary. This is injected, if necessary, in a small amount of 7.5-20 ml, usually via an arm vein. The contrast agent is well tolerated and only in very rare cases can allergic reactions occur.

Due to the administration of a contrast agent depositions in several organs, including the brain, may occur. According to the current state of medical knowledge, such possible depositions do not trigger health complaints and diseases.

We use a contrast agent of the lowest risk category, which is safe and well-tolerated as well as tested for many years. At the injection site, bruises, puncture pain and small local skin infections may occur.

In very rare cases, in patients with severe renal disease or liver transplantation, nephrogenic systemic fibrosis (NSF) can occur. It is associated with a difficult to treat connective tissue disease of the skin, restricted mobility due to the joint stiffness. In the course of the disease (NSF) organs may be damaged.

Name : _____

Date of examination: _____

Height: _____ cm

Weight: _____ kg

Please answer carefully the following questions.

Do you wear a heart pacemaker / defibrillator? Yes No

Please inform us immediately and do not enter the MRI!

Do you agree to a possible contrast agent administration if necessary? Yes No

Do you suffer of kidney disease? Yes No

If yes, which? _____

Do you suffer from claustrophobia? (fear in tight spaces) Yes No

Are allergies, asthmatic disorders, drug intolerance or other hypersensitivity known? Yes No

If yes, which? _____

History of contrast agent reactions in previous studies? Yes No

Do you have any metal, or other medical aids in or at your body or skin? (e.g. clips, stents, metal splinters, artificial joints, pumping sys., tattoos, piercings, IUD, implants) Yes No

If yes, which? _____

Do you have a tumor disease? Yes No

If yes, which? _____

Do you know of any infectious disease? (hepatitis, HIV) Yes No

If yes, which? _____

Did you have any operations in the past in the body region of today's examination? Yes No

If yes, which? _____

Are you pregnant? Yes No

Are you breastfeeding? Yes No

I have read and understood the information sheet. I am sufficiently informed, I have thought about my decision well and I consent to the examination provided by the physician.

date

✕ _____
signature **patient or resp. representative**

Data protection:

I agree, ...

that findings and other reports can be requested by our doctor's office. Yes No

to the reporting of data to my treating physicians responding to a request. Yes No

date

✕ _____
signature **patient or resp. representative**

You may withdraw this declaration of consent at any time. We will treat your personal data confidentially and comply with applicable data protection regulations. The information sheet about patients data protection is available at the desk or online at www.praxis-radiologie-dresden.de.

Notes on medical education: _____

_____ signature **doctor**