

MAGNETIC RESONANCE (MR)

Instructions for conducting the examination - page 1/2

Dear Patient, in order for the examination to run smoothly please complete the attached questionnaire with consent.

Please come to the examination on time.

Upon arrival, please report to the reception office of the radiology center.

You'll be asked to submit:

- **completed questionnaire with consent**
- **health insurance card**
- **all photocopies and CD's of relevant exams and studies - especially the doctor's report, which recommends the examination and images of previously performed examinations (MR, CT, X-ray, ultrasound); at control studies - latest MR images**
- **if previously requested, bring up to 7 days old laboratory report of renal function (creatinine, urea and oGF values)**
- **if you have metal implants inserted in your body, bring a certificate of their MR compatibility (exceptions are materials inserted by dentists)**

If you have **any electronic devices** inserted or implanted in your body (pacemaker, neurostimulator, hearing implant, etc.), we suggest that you request a date for examination in the **UKC** with the appropriate safety certificate for the implant or to diagnostic centers that provide all necessary safety measures, such as the presence of an appropriate specialist (eg cardiologist, otologist...) who monitors the operation of the inserted electronic device during the investigation and can reset it after the examination and restore its normal operation. Some hearing implants require even minor surgery to restore normal function after examination. Those services are not available in our diagnostic center, therefore such MR exams are not performed.

If you are pregnant, we do not recommend an examination during the first three months of pregnancy.

WHAT IS MR?

Magnetic resonance imaging (MR) is an imaging technique using a magnet, radio waves and a computer. The device does not use X-rays.

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PREPARATION AND COURSE OF THE INVESTIGATION

No preparations are required for most investigations. The only exceptions are upper abdominal examinations, that requires fasting for 6 hours before the examination. You can only drink non-carbonated and unsweetened beverages.

Before entering the investigation area, you must remove all metal objects, such as:

- personal electronic devices (mobile phone, watch,...),
- dentures (when examining the head and neck),
- hearing aid,
- hairpins,
- bra
- metal buttons,
- belt,
- credit cards,
- wallet
- money - coins,
- pocket knife,
- pencils and pens
- keys,
- all jewelery (rings, necklaces, bracelets, ...)

The examination will take place in the examination room, where you will be asked to lie on the examination table. During the examination, you will be put in a special tunnel. Except for the loud sounds of the device (to mitigate these sounds, we can offer you headphones with music or earplugs for some tests) no other inconveniences are expected. It is very important that you are not moving throughout the investigation. Be relaxed, as the procedure is completely painless and harmless. The duration of imaging varies and depends on the protocol and the indication. It can take up to 45 minutes.

During the examination, we monitor you via video surveillance and give you additional instructions via the speaker regarding swallowing saliva or capturing and retaining air.

The radiologist may decide to give an intravenous injection of a gadolinium contrast agent, which in some cases improve diagnostic accuracy him make a more reliable diagnosis. The contrast agent is very safe. Nevertheless, there are chances of mostly minor reactions such as headache, nausea, or minor skin rashes. In that case, we will help you. If similar signs and symptoms appear later, you should seek the advice of your treating or personal physician.