Important Information

Magnetic resonance imaging (nuclear magnetic resonance, MRT, NMR, MR, MRI) is a modern examination procedure that allows images of the human body to be taken without the use of X-rays, thereby gaining insights in regard to numerous diseases.

For the examination, a special bed will take you into the instrument's examining tunnel, where you will be exposed to a strong magnetic field. High-frequency pulses (radio waves) are now emitted.

This will result in loud knocking noises that are caused by rapid electrical switching processes indicating normal operation of the instrument. The signals your body emits due to this pulse can be received with special antenna (coils) and converted to images via a powerful computer system.

If you suffer from claustrophobia in enclosed spaces or are very sensitive to noise, please tell us before the examination. In this case, we can give you a sedative and, if need be, ear protection.
During the examination, you can talk to the doctor or assistant via anintercom system at anytime, if you experience problems.

The procedure has been in use for many years and has proven to be compatible with the human organism. Nevertheless, in the first 3 months of pregnancy the examination is only recommended under strict indications.

The examination planned for you might mean it is necessary to administer a contrast medium intravenously. Contrast media are generally well tolerated; in the case of hypersensitivity (allergy), however, nausea, itching, skin rash and similar can occur, which usually disappear quickly.

Hypersensitivity reactions by individual organs or your circulation are rare. Serious, life-threatening reactions are extremely rare.

Please note that magnetic resonance imaging cannot be performed on anybody with bio-electrical implants (e.g. heart pacemaker, insulin pump, neuron-stimulator, inner ear prosthesis). Metal parts in the body, such as fixed dentures, joint prostheses or metal plates after an operation on a fractured bone, do not generally present a problem.

To ensure the examination progresses smoothly, we kindly request you answer some questions which are given on the following page, as accurately as possible. If you have any further questions, we shall be pleased to answer these as well.