

## Cardiac MRI

Magnetic resonance imaging (MRI) is an imaging method based on the magnetic properties of hydrogen atoms in the body. This study does not use X-rays.

The scanning visit takes about 2 hours in all.

### Possible obstacles to the study

Please **notify the PET Centre in advance** if any of the following apply to you:

- You have a cardiac pacemaker, an ear prosthesis, a metal prosthesis, surgical clips, fragments, metal chips, a drug pump, or a nerve stimulator
- You wear dental braces or a retainer or you have tattoos in the imaging area
- You are pregnant or think you might be pregnant
- You weigh more than 130 kg. The scanner opening is 70 cm in diameter. You can make a scanner trial/fitting appointment with the PET Centre.

A medication patch or a glucose sensor will be removed in our department. Bring a new patch / sensor. Dental fillings, sterilisation clips, and intrauterine devices are permissible for the study.

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### How to prepare

- Please complete the screening form on the day before the procedure and bring it with you to your appointment
- You may eat and drink normally
- If possible, please leave any metal objects, watches and jewellery at home

### What to expect at your appointment

- The imaging will take place inside a well-lit and ventilated MRI scanner that is open at both ends. During the study there will be a way for you to communicate with the technologist. The scanner makes loud noises, so you will be wearing headphones or earmuffs during the study. You can also listen to the radio through the headphones.
- You will need to keep still for the study to be successful
- The study involves holding your breath for 5 to 15 seconds at a time
- MRI often uses an intravenous contrast agent that makes the images easier to analyse. The contrast agent does not contain iodine, but in rare cases it can cause an allergic reaction.

## **After the study**

Any contrast agent administered during the study will be excreted through the kidneys into the bladder and removed from the body through urine. For this reason, we recommend drinking more water than usual after the study.

You will not need to stay for observation after the study.

The study results will be provided by a doctor at the ward or outpatient clinic that referred you.

Päivityspäivämäärä 29.1.2026