

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 use a medication patch (bring a replacement patch with you to the study)
- You are pregnant or think you might be pregnant
- You are breast-feeding an infant
- You weigh more than 120 kg. The scanner opening is 70 cm in diameter. You can make a scanner trial/fitting appointment with the PET Centre.

Dental fillings, sterilisation clips, and intrauterine devices are permissible for the study.

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, jewellery or hearing aids 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.
- MRI is painless

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.

Hospital District of Southwest Finland • www.vsshp.fi/en • Tel. 02 313 0000

This instruction is intended for our patients who are in a care relationship.