

Myocardial perfusion PET-CT with radioactive water

This examination is used to scan the structure of the coronary arteries and blood flow in the cardiac muscle.

Please reserve approximately 3 to 4 hours for your visit. The scan lasts about 30 minutes.

Before the examination

You need to have blood tests taken before the examination (GFR and creatinine). Your attending physician will give you more detailed instructions.

On the day of the examination, have a light breakfast or a lunch, such as soup or a salad. Do not consume any of the drinks listed below. Otherwise you may drink as usual.

Do not consume foods or drinks with caffeine for 1 day before the examination. These include:

- coffee
- tea
- hot chocolate
- energy drinks
- cola drinks
- Finrexin
- chocolate



The scan cannot be performed if you have taken any stimulants.

Stop taking the following medication for 2 days before the examination:

- Asasantin®
- Persantin®
- Orisantin®
- Erectile dysfunction medication such as Viagra® and Sildenafil®

You may take all your other medication as usual (including heart medication).

If you are pregnant or think you may be pregnant, call the number on the arrival instructions. This exam is generally not carried out on pregnant women.

If you have had an allergic reaction from a contrast agent previously, please inform our staff before the examination begins.

Examination

In the beginning of the examination, you will lie down and rest at the ward. A venous cannula will be placed on your arm. Before the examination, you will receive a beta blocker via the venous cannula. The beta blocker slows down your heart rate.

During the scan, your heart will be strained with a medicine administered via the cannula for 4 to 6 minutes. A small amount of radioactive tracer and iodine contrast agent will also be injected into your circulatory system via the cannula. During the scan, you will receive nitroglycerin as a spray. A

physician will monitor your blood pressure and ECG throughout the examination.

You will be lying down during the examination. The examination is painless.

After the examination

The radioactive tracer will break down in your body in a few minutes after its administration. The iodine contrast agent leaves your body with urine.

Patient Instruction

2 (2)

HUS Medical Imaging Center
Nuclear Medicine

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Please note

Please take your health insurance card (Kela card) or identity card with you.

Your attending physician will inform you of the test results. Please contact the unit responsible for your care if you do not already have a scheduled appointment or a phone consultation with your doctor.

You will not be charged for the examination separately.

Cancel the appointment if you cannot come. If you do not cancel, you will be charged a fine.