

Brain receptor scintigraphy

Purpose of the study

The study aims to investigate the metabolism of neurotransmitters in the brain, in order to gain knowledge about the density of functioning nerve endings. This study is used, among other things, for the diagnosis of Parkinson's disease.

Preparations

- There are no special preparations.
- You can eat and drink normally before and after the study.
- Your physician will provide instructions on any medication changes that may be needed for the study.
- If you are allergic to iodine, suspect you are pregnant or are breastfeeding, please inform the medical staff at the department. In such cases, certain precautions must be taken.

Study protocol

About one hour before the administration of the radiopharmaceutical, you will receive a thyroid-protecting agent in tablet form. The actual radiopharmaceutical is given as an injection into a vein in your forearm and is allowed to accumulate in brain receptors for three hours. After that, the imaging begins. During the time between the injection and the start of imaging, you are free to move around, including outside the hospital, while taking into account radiation safety.

The imaging is performed while lying down, and you can wear your own clothes.

Duration of the study

The imaging typically lasts about half an hour, but you should allocate about 4-5 hours for the entire study, including waiting period.

After the study

A physician will provide a statement on the study, which will be directed to the clinic or department that made the referral. The referring unit will take care of any further actions.

Notice

You will be administered a small amount of radioactive material that radiates within you, therefore you should keep a certain distance to children and pregnant women for the next 24 hours. After 24 hours the radioactive material has exited your body and you are no longer radiating.

Please do not wear any perfume when coming to the department as it may cause severe symptoms to patients with asthma or allergy!

Contact information

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