



## **INFORMATION ABOUT CT (COMPUTER TOMOGRAPHY) SCAN**

CT scan is a special X-ray test which can give a lot of information about the extent and the nature of suspected disease of the patient and helps to plan the treatment.

Depending on the type of the test varying amounts of X-ray is used. Ionizing radiation has tissue damage effect, our equipment use low amount of radiation dose, therefore the statistical probability of development of radiation related damage is minimal. Due to the tissue damage effect of radiation please inform the doctor or assistant if you think you may be pregnant.

The duration of the scan is 10-20 minutes, which depends on the extent of the examined body part, the technique details and the patient's cooperation.

We book our patients at a definite hour. Patients with severe condition or treated in intensive care unit and unconsciousness or recently injured patients are cared out of turn. Therefore examinations may be delayed however this will not put you at a disadvantage, despite a later start your test will be of full value. Thank you for your understanding and patience!

If you have objects in your body made of metal (prothesis, heart rate regulator, dentures at big size), please inform us, because these worsen the quality of the images. Depending on the body part that is being inspected please remove metallic objects (watch, hairgrip, zipper, belt, bra, earrings) before the examination. Usually you can keep your clothes on. Please bring the results and scans of former procedure with.

During the test you should lie still, in a set but usually comfortable position. Movement can result in blurry and not valueable pictures. You will get some orders in the matter of breathing, please observe it in favor of an efficient scan.

Before abdominal scans you should drink iodine attenuated in water or barium containing contrast material, whose amount depend on the type of the test (usually 0,5-1 l). When the contrast material is sold out you should wait for a specified period after that the scan can be started. The contrast dye fill the gastrointestinal tract so it shows the digestive system more clearly. These contrast material have no known side effects although some solution are slightly laxative.

In case of the examination of chest, abdomen, neck and occasional other body parts contrast dye has to be injected into the body. Iodine containing contrast material is injected in the venous system. If any adverse reaction had occured previously after examination using contrast dye before please make sure to notify your doctor. In our clinic we use modern contrast material worldwidedly used and usually they do not cause any problems. Rarely mild symptoms may occur such as hives, nausea, vomiting, itching. Infrequently severe complication may happen (dyspnoe, laryngeal edema, feeling collapsed). These symptoms usually occur at the time of contrast dye injection and mild symptoms pass by themselves. In our CT lab we are prepared to treat allergic complaints with adequate medicines.

Severe allergic reaction to contrast material which results in condition that requires hospital admission, circulatory collapse or death occurs in one case out of hundred thousands, so it's statistical probability is minimal. Feeling warmth is normal but if you notice something else during injection or later please inform us immediately. Sometimes injected contrast dye leaks into the tissues around the vein due to vulnerability of vascular wall and it may cause mild or severe inflammation depending on the amount of contrast material. In these cases surgical exploration is rarely needed.



After the test ended please take a seat in the corridor. After image documentation of the scan is processed by computer, radiologist will evaluate the scan which takes time. You will get the result written. If you need another CT scan of another part of the body in the next few days, you do not have to wait for the result. Although you should wait for 10-15 minutes because rarely the scan has to be continued or completed. We give you the disc containing the images of the scan and the result, please certify receiving by signing. In case of control CT scan please bring your prior scan and result with.

On the day of CT scan you should drink a lot (at least 2 l) thus the contrast material can be excreted through the kidneys quickly.

If you have any further questions please contact our doctor working in the CT lab or any of our colleagues!

If you approve of performing CT scan on you (or on your underage child) please read and sign the statement of consent!