

Having a parathyroid scan as an outpatient

A parathyroid scan is used to look at possible problems involving the parathyroid gland(s). The parathyroids are four small glands lying close to or embedded in the back surface of the thyroid gland, which is situated in the front of your neck. The scan is able to detect whether or not you have a hyperactive gland.

Is it safe for me to have the scan?

For this scan it is necessary to inject a small amount of radioactive tracer, called a radiopharmaceutical, in order to take the pictures. The small risk from this radiation dose is outweighed by the valuable information that will be gained by having the scan. Ask if you want any more information. All investigations are vetted to make sure this is the appropriate test for you. If you don't understand why you need to have this scan please speak to the doctor who referred you.

For female patients

If you know that you are pregnant, or there is any chance that you may be pregnant, then please contact the department where you will be having the scan. Do this as soon as possible as the scan can be postponed if it is not urgent. Also contact the department if you are breastfeeding, as we may give you special instructions.

Preparation for your scan

There are no special preparations for a parathyroid scan. You can eat, drink and take any medicines as normal.

Your injection

A small amount of radioactive tracer will be injected into a vein in your arm or hand. You may have had a blood test in the past. This is much the same. You will feel the 'pinprick' of the needle a bit, but that is all. Two scans will be performed, one 10 minutes after the injection and a second one two hours after the injection. You are free to leave the department for the period of time between the two scans if you wish but please make sure you're back in time for the second scan.



Your scan

The scan is taken by a special machine called a gamma camera. This is not a tunnel like an MRI scanner, but the camera detector will come close to you. There are sensors in the camera which stop it moving if it gets too close so it won't touch you. You will not have to get undressed, but you will be asked to remove any jewellery from around your neck. You will be asked to lie on your back on a special couch with your chin up so that the camera can see your neck. You will not be left on your own – there will always be someone immediately available.



After your scan

It is very unlikely that you will feel any side effects after the scan, but if you think that you have please let the Medical Physics Department know.

You may continue all your normal activities unless you have been advised otherwise.

After your scan there will be some radioactivity left in your body but this will not present a significant risk to other people around you. The radioactivity in your body will soon disappear, and if you continue to drink plenty of liquids this will help clear the radioactivity more quickly.

Your results

Your parathyroid scan will be looked at by a specialist doctor, who will issue a report. The report will be sent to the doctor who requested your scan rather than to your GP. This is because the doctor who requested your scan will have all the results from other tests and will be able to tell you how the result of your parathyroid scan affects your care.

If you have any questions about your treatment, please ask the staff looking after you or telephone 0118 322 7355 (fax: 0118 322 7377)

or email : PhysicsDepartment@royalberkshire.nhs.uk

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Reception: Monday to Friday, 9.00 am to 5.00pm

For more information about the Trust, visit our website www.royalberkshire.nhs.uk

This information can be made available in other languages and formats upon request

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