

Nuclear Medicine Your MIBG Scan

Your doctor would like you to have a Nuclear Medicine MIBG (I123 Iobenguane) scan and has arranged for you to visit our department. We would like your visit to be as pleasant as possible and hope this leaflet will answer some of the questions you may have.

WHAT IS AN MIBG SCAN?

An MIBG scan looks for sites of certain types of cells by labelling them with a small amount of radioactivity to produce pictures of these cells within your body. The pictures will help your doctor understand your illness.

IS THE SCAN SAFE?

Yes. We will ensure that the amount of radiation you receive is as small as possible. The radioactivity leaves the body very quickly and it will not make you feel sick or sleepy.

DO I NEED TO PREPARE FOR THE SCAN?

We will need a list of your medications and you may need to stop any that interfere with the uptake of MIBG for up to a week before the test. These include Reserpine, Labetalol, calcium channel-blockers, Tricyclic antidepressants, Tramadol and sympathomimetics.

You will also need to take some tablets (Potassium Iodide) which block your thyroid from taking up the radiation. These are included – take two tablets (120mg) on the day before the injection, the day of the injection and the day following the injection

You can eat and drink normally and keep taking your other tablets. You may need to take a laxative before the second scan – we will discuss this with you on the first day.

WHAT IS INVOLVED?

Shortly after you arrive you will be given a small injection in your arm. The injection contains a small amount of radioactivity, which is harmless with no side effects. The next day (preferably 20hrs) you will be scanned with a special camera. This takes up to two hours.

Once you have had your injection, if you need to go to the toilet, you will need to use our special patient toilet – please ask at reception for the door code. It's important that you sit down while using this toilet.

HOW IS THE SCAN PERFORMED?

The scan involves taking pictures while you lie on a bed. The camera will rotate around your abdomen and chest. No discomfort is involved. You will not normally need to remove any clothing. The camera is quite open and quiet and patients do not normally feel claustrophobic.

Please remove any metal, including keys and loose change, belts or necklaces that you are wearing before the scan.

IS THERE ANYTHING I SHOULD TELL THE STAFF BEFORE THE SCAN?

Would women please tell us if you are pregnant or if you think you may be pregnant. Also, please inform us if you are breast-feeding. Women between the ages of 12 and 55 will be asked to sign a form on the day of their test to confirm they are not pregnant. If there is any doubt, we are legally obliged to perform a pregnancy test before proceeding.

As some of the radioactive tracer will pass out in your urine, please tell us if you suffer at all from incontinence before you come for your scan.

Please tell the staff if you are planning to travel abroad within three months of your scan.

WHAT CAN I DO AFTER THE SCAN?

You can go home or to work. You can drive a car, eat and drink normally and continue taking your tablets.

WHAT HAPPENS TO THE RESULTS?

We cannot give you the results of your test. We will send a report to the doctor who asked for the scan as soon as possible. They will arrange your follow-up appointment.