

What is a MUGA scan?

A MUGA scan provides information on how well your heart wall works pumping blood into your body.

How do I prepare for the scan?

No special preparation is required for this scan. However, please let us know if you have had a radiology scan with contrast or another Nuclear Medicine test less than 1 week prior to your MUGA test.

What does the scan involve?

In order to perform the scan, we will need to give you 2 injections. They are given via a cannula usually placed in a vein in your arm. The first injection will be given soon after you arrive in the department. This injection prepares your blood cells to be labelled with a radioactive tracer. The second injection contains a small amount of the radioactive tracer. There will be a 20-minute wait between the two injections.

Then, you will be required to lie on a couch while ECG leads are positioned on your chest to give us a trace of your heartbeat. The camera will then be placed over your heart and a scan will be performed. This imaging process will take about 20 to 30 minutes to complete.

Your scans will be reported by a Clinical Scientist and these results will be sent back to the doctor who requested this scan.

What happens after the scan?

A clinical technologist will check to ensure that a satisfactory scan has been obtained after which you will be free to leave. You may drive home and continue with your normal activities. You should allow about an hour for the whole procedure.

The results of the scan will be explained to you at your next appointment at the Out-Patient Clinic, or at the surgery if your General Practitioner has referred you.

Is it uncomfortable?

No, apart from the pinprick of the injection which is similar to having a blood test done.

The scan does not involve passing through a tunnel. However, a large camera will be positioned close to you in order to take pictures. You will not need to get undressed, but you may be asked to remove jewellery or metal items. Also, in order to attach the ECG electrodes we have to be able to access your chest. We therefore ask you to dress with clothes that will allow us to easily do so.

Are there any side effects?

Nuclear Medicine procedures are among the safest of diagnostic imaging tests. The radioactive substance emits radiation, which the camera detects to produce the pictures. The amount of radiation received in this examination is compared to 2.3 years of background radiation in the UK. At no time will you be a risk to other people including your close family.

Side effects from the radioactive tracer are extremely rare. Those that do occur are usually mild.

Important Instructions:

1. If you cannot attend for your scan, please telephone (01792) 285295 and let us know.
2. If you have had another Nuclear Medicine test in the week prior to this appointment, please let us know prior to attending for the scan.
3. Report to the Nuclear Medicine reception at the date and time given on the front of this leaflet. A map of the hospital is shown on the back of this leaflet.
4. Continue with any medication that has been prescribed to you.
5. If you are pregnant, or if you are breast-feeding, please contact the department.
6. If you are incontinent of urine or on dialysis treatment, please contact the department.
7. After you have had the injection, avoid close contact with children or pregnant ladies for 24 hours.
8. Please do not be accompanied by children or pregnant ladies on your appointment.
9. Do not give blood or urine samples during the next 24 hours.
10. Drink plenty of fluids after your appointment.
11. Travelling: some train, air and ferry ports may have sensitive radiation detectors that you may activate after the scan, so please carry your appointment letter for 7 days.

Singleton Hospital

SITE PLAN



Bwrdd Iechyd Prifysgol
Bae Abertawe
Swansea Bay University
Health Board

SINGLETON HOSPITAL NUCLEAR MEDICINE

Your MUGA Scan Appointment

Please read this leaflet carefully and attend Nuclear
Medicine for the appointment shown below

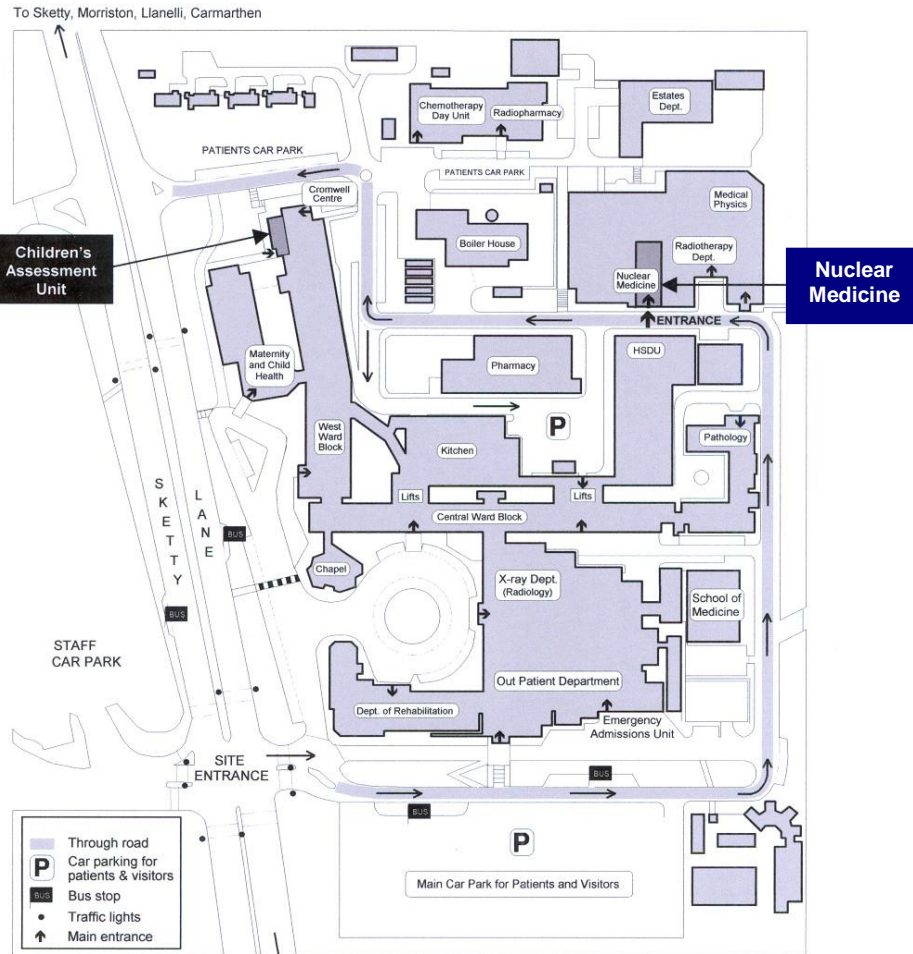
Name

Appointment Details

Date

Time

If you are unable to attend this appointment, or if
you have any queries, please phone
(01792) 285295



Directions from the M4 Motorway

From any of the junctions 42 to 47, follow Swansea City Centre signs initially, then follow directions for the Gower and the Mumbles. Singleton Hospital signs will be evident on the outskirts of the city. Sketty Lane is on the A4216.

