

Patient information

Nuclear Medicine Kidney (Renogram & DMSA) Scan

Your doctor would like you to have a Nuclear Medicine 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. Should you have any questions regarding your appointment please contact us on one of the telephone numbers below between 9:00am and 5:00pm Monday- Friday.

0300 131 4797 or 0300 131 5853

WHAT IS A RENOGRAM AND A DMSA SCAN?

A Renogram and DMSA scan looks at how well your kidneys are functioning. Images are taken using a Gamma Camera. A small amount of radioactivity is used to produce these pictures. The pictures will help your doctor understand your illness.

IS THE SCAN SAFE?

The amount of radiation you receive is as small as possible and is similar to other X-ray procedures. 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?

Please drink approximately 1 pint (500ml) of any fluids in the hour before your appointment. You can eat normally and keep taking your tablets.

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

If you have had a kidney infection within **6 months** of your appointment date please inform a member of our staff when you receive this appointment.

Women should tell us if they are pregnant, if they think they may be pregnant or if they are breast-feeding. Women between the ages of 12 and 60 will be asked to sign a form on the day of their test to confirm they are not pregnant. If there is any doubt then by law we have to perform a pregnancy test before we can do the test.

WHAT IS INVOLVED?

Renogram Scan - When you arrive you will have a canula needle inserted into a vein in your arm or hand. We will then use the canula to administer a diuretic called Furosemide. The Furosemide will cause your bladder to fill more quickly. You will then be asked to have a drink of water. Your scan will begin 15 minutes later. Just before your scan you will be asked to use the toilet to empty your bladder. The scan involves lying on the scanner bed with a camera positioned under the bed behind your kidneys. Through the canula we will then administer a radioactive tracer that is filtered by your kidneys. The scan will start immediately and takes 30 to 60 minutes. You will need to keep very still during the scan. Should you need the toilet during the scan please inform one of the staff and we will pause the scan.

DMSA Scan - After the Renogram scan is completed you will be given a further injection through the canula in your arm or hand. The injection is a different radioactive tracer that is absorbed by your kidneys. You may then leave the department and your scan will take place 3-4 hours later. You will be asked to empty your bladder just before your scan. The scan involves taking pictures while you lie on your back on a bed. The camera is placed close to your abdomen and images will be taken for approximately 30 minutes. We do not expect you to have any adverse reactions to the tracer injections.

PRECAUTIONS AFTER THE INJECTION

You should avoid prolonged close contact with pregnant women and children for 24 hours. Children and pregnant women should not accompany you to the department. You should also avoid blood tests and dental visits during this time. If you are planning to travel abroad within 7 days after your appointment please inform the staff during your appointment.

WHAT CAN I DO BETWEEN THE INJECTION AND THE SCAN?

You can leave the hospital or stay with us. Meals and snacks may be bought in the hospital. If possible you should drink plenty of fluids and empty your bladder frequently.

WHAT CAN I DO AFTER THE SCAN?

You can go home or to work. You can drive a car and eat and drink normally.

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.

CONSENT

Although you consent for this treatment, you may at any time after that withdraw such consent. Please discuss this with your medical team.

SOURCES OF INFORMATION

British Nuclear Medicine Society (BNMS)

IMPORTANT INFORMATION

The information in this leaflet is for guidance purposes only and is not provided to replace professional clinical advice from a qualified practitioner.

YOUR COMMENTS

We are always interested to hear your views about our leaflets. If you have any comments, please contact the Patient Experience Team – Tel: 0300 131 4731 or email: esh-tr.patientexperience@nhs.net

HAND HYGIENE

The Trust is committed to maintaining a clean, safe environment. Hand hygiene is very important in controlling infection. Alcohol gel is widely available for staff use and at the entrance of each clinical area for visitors to clean their hands before and after entering.

OTHER FORMATS

If you require any of the Trust leaflets in alternative formats, such as large print or alternative languages, please contact the Equality and Human Rights Department.

Tel: 0300 131 4434 Email: esh-tr.AccessibleInformation@nhs.net

After reading this information are there any questions you would like to ask? Please list below and ask a member of our team.

Reference

The following clinicians have been consulted and agreed this patient information:

Dr Emma Owens, Consultant Radiologist, ESHT, Dr David Sallomi, Consultant Radiologist, ESHT

The directorate group that have agreed this patient information leaflet:

Core Services

Next review date: October 2024

Responsible clinician/author: Mr Christopher Salt, Nuclear Medicine Modality Manager

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