



**Nuclear Medicine  
Paediatric Renogram  
Scan (MAG 3)  
(Over one year old)**

**Scanning Department  
Radiology**

**Great Western  
Hospital**

**If you need to cancel or you have queries or concerns please contact the department on**

**01793 60 50 45**

Opening Hours

**Monday - Friday 9.00am – 4.30pm**



# **Nuclear Medicine Paediatric Renogram Scan (MAG 3)**

## **(Over one year old)**

### **What is an Isotope Renogram (Kidney) scan?**

A Renogram kidney scan tests the function of your child's kidneys.

### **Are there any risks involved?**

There are no side effects from the tracer injection.

During your procedure your child will receive a dose of ionising radiation to help us form images of their body and this will provide their doctor with detailed information. The radiation dose is always kept as low as possible. The actual dose they receive will vary depending on the type of procedure they are having, but your doctor has considered this and feels that this is the best procedure for them to have to help diagnose or treat their condition.

We are all at risk of developing cancer in our lifetime and the added risk from undergoing this procedure is small and is outweighed because of the benefits it provides and every procedure that you have in Radiology has been assessed to ensure that the benefit outweighs the risk. For more information see the displays within the department or ask a member of staff.

### **Do I have to have this scan?**

The doctor has requested this scan for your child. It is the easiest way to gain the information needed to diagnose your child's problem.



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## **Does my child need to prepare for the scan?**

- **Please give your child an extra drink before coming for the scan. Your child may eat as normal.**
- Your child should continue with any usual medication.
- **We would ask you to apply the enclose EMLA cream to both hands as per the instructions enclosed one hour before the given appointment time.** This is a local anaesthetic to make the insertion of the plastic tube more comfortable.
- Please feel free to bring any toys, books or a favourite DVD that you feel may relax and amuse your child during the scan.
- **Please bring a drink for your child to have after the scan.**

**If you need to cancel or you have queries or concerns, ring:**

**01793 60 50 45**

**Monday – Friday 9.30 am – 4.30 pm**

## **What does the procedure involve?**

- You are welcome to stay with your child for the scan.
- The doctor will insert a small plastic tube into a vein in your child's hand in the Paediatric Assessment Unit. Once this is in place a small amount of radioactive tracer will be put through this tube into the vein and the scan will begin.



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- A special camera will be used to take images of the kidney and bladder.
- You do not need to undress your child, but any metal buckles and similar items around the tummy need to be removed so they do not get in the way of the pictures.
- The tracer is followed through the kidneys and into the bladder for 30 minutes. During this time it is very important that your child keeps absolutely still. 10 minutes into the scan, it may be necessary to give them another injection through the small tube, which helps speed up the kidney function.
- The scan will take approximately 30 minutes, but please allow one hour for the entire procedure.
- The small plastic tube will then be removed at the end of the scan.

## After the scan:

- While you are still in the department we will check that the images we have acquired are technically correct, and if so you will be free to go home.
- For the few hours after the scan you should encourage your child to drink more than usual and this will flush the tracer from their system.
- **The results will not be available immediately after the examination.**
- A Radiologist will study the images and a report will be sent direct to your child's referring doctor.



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You will receive a letter or follow-up appointment from your child's Consultant to discuss the results. If you have any queries regarding your child's follow up appointment please contact the Consultants Secretary.



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From 1st January 2019 smoking will not be permitted on any NHS site in England. Smoking will not be permitted within any of our buildings or anywhere outside on our sites. Smoking facilities will not be provided. Please be considerate of others when vaping in hospital grounds.

**This information sheet is available to order in other languages and formats. If you would like a copy, please contact us on 01793 604031 or email [gwh.pals@nhs.net](mailto:gwh.pals@nhs.net)**

**Document Control**

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