



Micturating Cystourethrogram (MCUG)

Information for patients

The purpose of this leaflet is to give you information about your child's MCUG test at East Surrey Hospital.

What is the MCUG test?

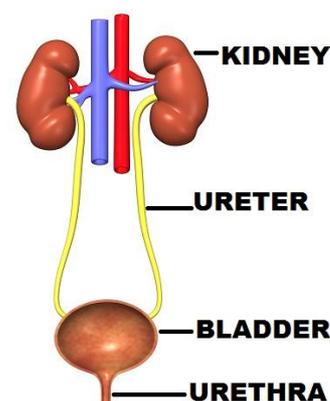
A MCUG is a special type of x-ray that shows how the bladder fills and empties and can help to detect whether any urine from the bladder passes back up into the kidneys (reflux).

How to prepare for the MCUG test?

Your child must be on antibiotics around the time of the test to minimise the risk of infection that can be associated with this procedure.

- If your child is already on the 'prophylactic dose' of antibiotic, then he/she will need to take 'treatment dose' of the antibiotic. This dose will need to be taken on the day before, on the day and the day after the test. The doctor organising the MCUG test will usually advise you on this.
- If your child is not already on antibiotics, then the doctor requesting the MCUG test will prescribe a 3-day course of antibiotics. Please start this on the day before the test when you get the appointment for the test through.

Your child needs to take antibiotic ofstrength.....
mls.....times/day.



URINARY TRACT

The day of the scan

Please arrive to the Children's Assessment Unit at East Surrey Hospital at least 1 hour before the appointment time. One of our doctors or nurses will need to pass a catheter in to the bladder. A catheter is a small tube that passes into the urethra (see picture) through to the bladder which is then used to place a dye in the bladder. When the catheter is in you will be able to go down to the Radiology department in order to have the test done.

The procedure

The study involves the use of x-rays and therefore we are legally obliged to ask any girls over the age of 12 whether there is any chance they could be pregnant. We will also ask mothers or any females present for the scan if they could be pregnant. If so we would suggest you bring another member of family to accompany your child through the procedure.

Once consent has been obtained the procedure will start. You will be able to stay with your child throughout the scan.

A small amount of liquid dye will be passed through the catheter into the bladder. This dye is visible on x-ray and will help us to see how your child's bladder fills. Further x-rays are taken as and when your child passes urine and the bladder empties.

Once the pictures have been obtained the catheter will be gently removed and you will be able to return home. The procedure takes approximately 30 minutes to complete, although it sometimes may take longer depending on when the child is able to empty his/her bladder.

Results

The radiologist will look at the images and a formal report will be produced. This report will be sent to the referring consultant who will then communicate the results to you.

Are there any risks?

- Radiation: X-rays are a type of radiation that in large doses can cause damage to cells. However the MCUG uses very small amounts of radiation and therefore is considered safe.
- Discomfort: It can be uncomfortable for your child whilst the catheter is being passed through to the bladder; however they generally can be pacified soon. Your child may also have some discomfort when passing urine after the test or may feel they need to go more often. This is due to small amounts of irritation from the catheter and should self resolve after a few days.

- Urinary tract infection: The test carries a small risk of infection, however this is minimised by the prescription of antibiotics around the procedure.
- Failure: It may not be possible sometimes to pass the catheter due to technical difficulty or the child being very distressed. In this case the procedure might have to be abandoned on the day. The referring consultant will be informed who will then advise whether this will need to be rescheduled for a later date or not.

Further Information

If you have any concerns about your examination please contact us (Monday to Friday 9.30am to 4pm) and ask to speak to a senior radiographer or nurse.

01737 768511 Ext 2956/6018

If you have any further questions please contact your consultant/referring doctor for further information. If you are unable to contact them then you could contact Children's Assessment Unit at 01737 768 511, Extension 8600.

Contact Us

Surrey and Sussex Health Care NHS Trust
Diagnostic Imaging Department
East Surrey Hospital
Redhill Surrey RH1 5RH
Tel: 01737 231604
www.surreyandsussex.nhs.uk

Patient Advice and Liaison Service (PALS)

Telephone: 01737 231 958

Email: pals@sash.nhs.uk

Write to: PALS, East Surrey Hospital
Redhill, Surrey RH1 5RH

You can also ask a member of staff to contact PALS on your behalf.

This information can be made available in other languages and formats, including in larger text. Contact 01737 231 958 for help.

Author: Diagnostic Imaging
Last updated: September 2018
Micturating Cystourethrogram (MCUG)

MCUG Leaflet, Produced by Drs O' Malley & Aravamudhan, SaSH



Surrey and Sussex Healthcare
NHS Trust