

Urodynamic Study

Patient Information

Note: This is general information only
and the situation can vary from case to



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Introduction

This is a special study designed to record the pressures in the urinary bladder (like an ECG but of the bladder) as it is filled artificially.

Aim:

The aim of the study is to provide information on your child's bladder function. This information may help your child's doctor with managing your child's urinary problems.

- It can tell us how much the bladder can hold, how elastic the bladder is and when they need to urinate.
- It also measures abnormal contractions or spasms of your detrusor muscle (smooth muscle in the wall of the bladder) while the bladder is filling.

Your child needs to be fully awake for the urodynamic study.

Procedure:

The study is performed in the radiology department at Starship.

- This is so we are able to screen and take x-rays as necessary. Screening involves the x-ray machine being on whilst the picture is watched on a T.V. monitor.
- The procedure involves inserting a special catheter into your child's urinary bladder. This is then connected to a computer.
 - This allows us to run contrast fluid (enables us to see the bladder on screening) into your child's bladder whilst recording the pressures being produced by the bladder.

- It also involves inserting a pressure sensor into your child's rectum (anus or back passage), which helps remove waves caused by the abdominal pressure.
- Please advise your child that they will need to remove their outer clothing (jeans, shorts etc) along with their underpants so the catheter and sensor can be inserted and to observe for urinary leakage.

During the study the bladder and kidney areas are screened to look for vesico-ureteric reflux (VUR).

The study finishes, either when expected bladder capacity for your child is reached, or there is a lot of leakage.

Sometimes your child will be asked to void (empty their bladder) on a special commode, so that the pressures can be measured during voiding.

The study usually takes between 1/2 – 1 hour.

NB: It is important that you discuss the information in this brochure with your child as the urodynamic study can be uncomfortable and unpleasant for them. They may feel the catheters being inserted but the study does not hurt.

Personnel Involved:

Nurse specialist, Consultant Surgeon, Surgical Registrar, and Radiographer. Occasionally a Radiologists may be called in.

Note: If you are pregnant you will not be able to remain in the room with your child. Please inform staff before the study starts.

Parents:

Parents/caregivers can remain with your child at all times. You will have to wear a gown to protect yourself from the x-rays.

Questions or Queries

Please contact the nurse specialist, Jo Rowe on 307 4949 ext. 22524.

Results/Reports:

It is often not possible to give a report or results at the conclusion of the study. A report will be sent to the doctor who requested the study. They will then arrange to discuss the results with you.

Special situations:

Please ring if your child currently has a urinary tract infection or has had one in the last 6 weeks, as the study may need to be rescheduled. Please mention if your child is allergic to latex or iodine.

Confirming Attendance:

On receiving your appointment we would appreciate it if you ring the clinic scheduler on 307 4949 ext. 27461 to say whether you **can** or **cannot** attend the appointment. If you get the answer phone please leave a message.

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