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

Department of Paediatric Surgery
Starship Children's Hospital
Level 4
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Phone: 64 9 307 4949 ext. 6381
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Urodynamic Study:

Patient Information

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Starship Hospital
Auckland

SSH/WI-3033/006 – updated 08/08

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Introduction

This is a special study designed to record the pressures in the urinary bladder as it is filled artificially. It provides graphs that co-relate the volume of urine with the pressures in the bladder.

Aim:

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

Note: This study is an investigation **not** a treatment for your child's urinary problem.

Procedure:

The study is performed in the radiology department at Starship.

- It is done in a room where there are facilities to screen and take x-rays. Screening involves the x-ray machine being on whilst the picture is watched on the T.V monitor, x-ray pictures will only be taken if necessary. Screening is not done the whole way through the study.

The procedure involves inserting a special 2 channel catheter into your child's urinary bladder.

- 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 eliminate artefacts 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 for the study 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 you 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.

Personnel Involved:

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

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.

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.

Questions or Queries

Please contact the nurse specialist, Jo Rowe on 307 4949 ext. 5361.

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 Jillian Fleming (secretary) on 307 4949 ext. 6381 to say whether you **can** or **cannot** attend the appointment. If you get the answer phone please leave a message.

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