



جامعة الإمام عبد الرحمن بن فيصل

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Uroflowmetry and EMG in children



What is uroflowmetry & Post-Void Residual (P.V.R)?

Uroflowmetry and post-void residual measurement is a simple and painless test, which provides Information about your child urine stream. Your child will be asked to urinate into a special toilet. Following this, a bladder scan is done to determine if there is urine left in the bladder.



What is the difference between Uroflowmetry with PVR and EMG?

This test is the same as the above with the addition of EMG which stands for electromyography.

- To do the test, two stickers are taped securely to the child's skin next to the rectum and one is taped on a leg.
- The stickers, which are attached to an EMG machine, determine how muscles below the bladder work while your child is urinating.



How to prepare for uroflowmetry tests?

- Your child must arrive for the test with a full bladder. Please have your child drink water according to the guidelines in the chart below.
- It is important **not to over drink**, or drink too close to the time of the test (**less than 30 minutes**) as it will give false results.



Age	Amount to drink
2-3 years	200 ml
4-5 years	300 ml
6-8 years	350 ml
8-9 years	400 ml
10-11 years	500 ml
12-14 years	600 ml

Review and Audit:

The content of this booklet has been reviewed by the Urology Department consultants at King Fahad Hospital of the University.

Health Awareness Unit

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