

Luteinising Hormone Releasing Hormone (LHRH) Test

Patient information leaflet

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If you need this leaflet in a different language or accessible format
please speak to a member of staff who can arrange it for you.

اگر به این بروشور به زبان دیگر یا در قالب دسترس پذیر نیاز دارید،
لطفاً با یکی از کارکنان صحبت کنید تا آن را برای شما تهیه کند.

Jeśli niniejsza ulotka ma być dostępna w innym języku lub formie,
proszę skontaktować się z członkiem personelu, który ją dla Państwa przygotowuje.

Dacă aveți nevoie de această broșură într-o altă limbă sau într-un format accesibil,
vă rog să discutați cu un membru al personalului să se ocupe
de acest lucru pentru dumneavoastră

如果您需要本传单的其他语言版本或无障碍格式，请联系工作人员为您安排。

إذا احتجت إلى هذه النشرة بلغة أخرى، أو بتنسيق
يسهل الوصول إليه، يرجى التحدث إلى أحد الموظفين لترتيب ذلك لك.

What is the Luteinising Hormone Releasing Hormone test for?

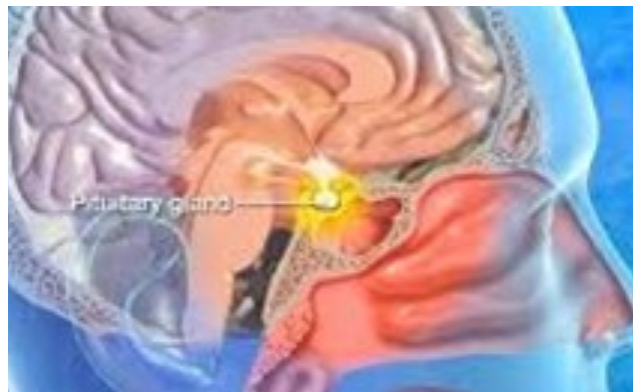
This test is performed to check how well the pituitary gland of the human body is working in regulating sex hormone production. The sex hormones regulate the development of sexual characteristics and puberty, including facial hair and voice changes (for boys), underarm and public hair, menstruation (periods for girls) and body odour.

The LHRH test helps to identify disorders of puberty such as:

- Precocious puberty – premature puberty.
- Delayed onset puberty.

What is the pituitary gland?

The pituitary gland is a small gland in the brain. It is situated a few inches behind the bridge of the nose. This gland has a major role in the control of your body's hormone production.



Notes

What are the risks and discomforts of the test?

The nurse conducting the test will ensure you are made as comfortable as possible. All discomfort will be minimised. Very rarely your child may have a reaction to the medication given.

Rest assured you are in safe hands during your stay with us.

What will happen after the test?

After the test has been completed the cannula will be removed, your child will be offered some refreshments prior to being allowed home.

How will I get my results?

Your consultant will be able to assess the results in one or two days. Your consultant will contact you with the test results when they are available. Please do not ring or try to contact CHOBS for the results to the test.

Amongst others, it also produced two hormones called Gonadotrophins these are:

- Follicular Stimulating Hormones (FSH).
- Luteinising Hormone (LH).

These are the two hormones regulate the production of sex hormones.

What are the benefits of the test?

The doctor looking after your child will have a greater understanding of the medical problem and thus the appropriate management can be initiated.

Consequences of not having the procedure?

The doctor looking after your child may not have the full medical information they need to treat your child's symptoms.

What to do on the day of the test:

There is no special preparation for this test. Your child can eat and drink normally. The test will be performed on CHOBS at Whiston Hospital. The nurse clinician who will be conducting the test will arrange a date and time that is convenient for you and your family.

We would expect that the doctor requesting the test will take time to explain the test to you when they request the test.

However, the nurse will discuss this again with you on the day of the test. The nurse will try to make your child as comfortable as possible whilst on the children's ward.

If you would like more detailed information before the test date please ring CHOBS on 0151 430 1627 and ask to speak to the nurse clinician.

On arrival to the Children's Observation Unit the nurse will introduce herself to you and your child and explain the procedure to you. The child will be asked to lie flat for the duration of the test. Your child will have some "magic cream" applied to the arm over a large vein to help numb the area of overlying skin. This is to minimise pain and discomfort.

After 30 minutes a small plastic needle (cannula) will be inserted into the vein in the arm. The cannula will enable the nurse to obtain blood samples at specific times.

The nurse will take a blood sample at the start of the test to check the base line levels of the LH and FSH.

The nurse will then give your child an injection of a hormone called Luteinising Hormone Releasing Hormone (LHRH) through the cannula. In a normal child this injection of (LHRH) will stimulate the body to produce a rise in both the LH and FSH.

Blood samples will be taken at 30 minutes and 60 minutes after the LHRH injection to check hormone level. The blood tests are also to check the body's response to the drug. The blood will be taken from the already inserted cannula preventing the repeated, separate blood tests.