

Testosterone gel or sachets for the treatment of low sex drive in the menopause

This leaflet will answer some of your questions about the use of testosterone gel or sachets for the treatment of low sex drive in the menopause. If you have any questions or concerns, please speak to a doctor, nurse or pharmacist caring for you.

What is testosterone?

Testosterone is one of the sex hormones that women produce. Many people think of it as the “male” hormone, but women need to have testosterone too. In fact, women produce three times as much testosterone than oestrogen before the menopause.

Levels of testosterone in your body gradually reduce as you become older and reduce very abruptly in those women who have had an oophorectomy (an operation to have their ovaries removed). Testosterone is also produced by the adrenal glands. It may have a direct action of being used by the body to increase sex drive, or some of it can be converted into oestrogen, which again may help with symptoms.

When a woman's level of testosterone decreases, she may find that she desires sex less often, and when she does have sex, it is not as pleasurable as it used to be, even though she still desires her partner. There is some evidence that having lower testosterone levels can also affect your mood and increase your risk of being depressed.

When you are in the menopause, if you are on hormone replacement therapy (HRT), especially after your ovaries have been removed, you may still have the symptoms of lack of testosterone. These can be low libido, lack of energy, increased tiredness, difficulty concentrating or headaches.

A diagnosis can be made on personal history alone. A blood test is generally not required, but may be useful to confirm a diagnosis.

Medicine – taking an unlicensed medicine

The use of Tostran® and Testogel® for the treatment of low sex drive is unlicensed, which means that the manufacturer of the medicine has not specified it can be used in this way. However, there is evidence that it works to treat this particular condition. The leaflet, **Unlicensed medicines – a guide for patients**, has more information about unlicensed medicines. If you would like a copy, please ask your doctor, nurse or pharmacist. Alternatively you can call the Pharmacy Medicines Helpline (details are at the end of this leaflet).

What symptoms can testosterone help with?

The National Institute for Health and Care Excellence (NICE) suggests that if women are suffering from menopausal symptoms such as decreased libido, then testosterone may be helpful and can be tried. This is why the medication is being tried for you now. Testosterone will normally be combined with standard hormone replacement therapy (HRT) as it works best when there is oestrogen as well.

How is testosterone given?

Testosterone is usually given as a gel to rub into the skin, and there are a couple of different products that might be used. Please note that none of the products are specifically marketed for testosterone replacement in women. They are designed as hormonal replacement therapy in men. Because of this, the instructions for use in the menopause will be different to information contained in the manufacturers' leaflet – it is very important that you follow our instructions and not the manufacturer's leaflet. Tostran[®] 2% is a gel in a pump dispenser, and one measured pump (which contains 10 milligrams of testosterone) is usually used three times a week. Testogel[®] is a testosterone products that come as a gel in a sachet. One sachet is usually used over the course of one week (given as a daily dose of a small portion of the pack).

The medicine can take several months to work and it is not effective for every woman. Younger women who have had an early menopause often notice benefits from using testosterone. If you have had your ovaries removed in an operation, then it is very likely that your levels of testosterone will become low very quickly. This is because your ovaries produce the majority of testosterone in your body.

The gel should be applied to clean and dry skin and allowed to dry before you get dressed. You should not have contact with any other person while it is drying (approximately 10-minutes), and you should wash your hands after it has been applied. The area that it is on should not be washed for three hours after application to allow it to be absorbed.

Is blood test monitoring required?

Blood testing for testosterone is not essential but can be useful. The test is not very sensitive in women. The relief of symptoms and lack of side effects is a more helpful assessment.

If you find that testosterone is beneficial then you would normally continue to use this while you are taking the standard HRT

What should I do if I forget to take the medicine?

If you miss a dose, take it as soon as you remember. If it is close to the time your next dose is due (within a day) do not take the missed dose and continue with your normal schedule. It is important not to take two dosages of the gel to make up for missing one.

What are the side effects from using testosterone?

There are usually no noticeable side effects of testosterone as it is given to restore testosterone to levels before the menopause. However, some side effects are dose dependent and include:

- hirsutism, increased facial or body hair (common)
- alopecia, male patten hair loss (less common)
- acne and greasy skin (less common)
- deepening of voice (rare)
- enlarged clitoris (rare)

While we have a lot of information about long-term side effects of oestrogen and progesterone replacement therapy in the menopause, there is less information as to any long term effects of testosterone replacement therapy.

There is a theoretical concern of possible increased cancer risk, and heart disease, following testosterone use, but there is currently no information to say if there is an actual risk or not. The doctor or nurse looking after you can always discuss your specific risks and benefits from using this if you have any further questions.

Very occasionally, women notice some increased hair growth or skin changes in the area in which they have rubbed the gel. This may be avoided by changing the area of skin on which you rub the gel. Other reported side effects include acne and, if taken in large doses, voice changes.

How do I get a repeat prescription?

Initially your doctor or nurse at the Menopause Clinic will provide your prescription, but when the medication doses and your symptoms are stable, your GP will be able to take over the prescription, and you can get further supplies from your local chemist.

Contact us

If you have any questions or concerns about testosterone, please contact the nurse consultant, **t:** 020 7188 3023, Wednesday, 2-4pm or **e:** GynaecologyResults@gstt.nhs.uk.

For more information leaflets on conditions, procedures, treatments and services offered at our hospitals, please visit **w:** www.guysandstthomas.nhs.uk/leaflets

Pharmacy Medicines Helpline

If you have any questions or concerns about your medicines, please speak to the staff caring for you or call our helpline. **t:** 020 7188 8748, Monday to Friday, 9am-5pm

Your comments and concerns

For advice, support or to raise a concern, contact our Patient Advice and Liaison Service (PALS). To make a complaint, contact the complaints department.

t: 020 7188 8801 (PALS) **e:** pals@gstt.nhs.uk
t: 020 7188 3514 (complaints) **e:** complaints2@gstt.nhs.uk

Language and accessible support services

If you need an interpreter or information about your care in a different language or format, please get in touch.

t: 020 7188 8815 **e:** languagesupport@gstt.nhs.uk

NHS 111

Offers medical help and advice from fully trained advisers supported by experienced nurses and paramedics. Available over the phone 24 hours a day. **t:** 111



Leaflet number: 4675/VER1

Date published: January 2019

Review date: January 2022

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A list of sources is available on request