

Choosing Wisely[®]

An initiative of the ABIM Foundation

CR ConsumerReports[™]



American
Urological
Association

Urology Care
FOUNDATION[™]
The Official Foundation of the
American Urological Association



Treatment for erection problems

When you need testosterone treatment—and when you don't

Most men have problems with erections from time to time. But some men have erectile dysfunction, or ED. This is when it is hard to get or keep an erection that's firm enough for sexual intercourse.

If you have ED, you may think that testosterone treatment will help. Testosterone is a male sex hormone. After age 50, men's levels of testosterone slowly go down and ED becomes more common. But unless you have other symptoms of low testosterone, you should think twice about the treatment. Here's why:

Testosterone treatment usually isn't helpful for ED.

Testosterone treatment does not improve erections in men with normal testosterone levels. And studies show that it does not help men with low testosterone levels if ED is their only symptom.

ED usually has other causes.

ED is almost always caused by low blood flow to the penis. This is a result of other conditions, such as hardening of the arteries, high blood pressure, and high cholesterol. These conditions narrow the blood vessels and reduce blood flow to the penis.

Low testosterone may affect the desire for sex, but it rarely causes ED.



Testosterone replacement therapy has many risks.

Testosterone treatment can cause the body to retain too much fluid. It can also cause acne, an enlarged prostate, and enlarged breasts. Other side effects include lower fertility; an increase in red blood cells, which can lead to heart disease; an increase in sleep apnea symptoms; and a higher risk of prostate cancer growing faster.

Women and children should avoid touching unwashed or unclothed areas of skin where a man has applied testosterone gel. The gel can be transferred through skin contact.

How to manage ED

Most erection problems can be treated. Talk with your doctor about these steps:

Look for medical causes. ED can be an early warning sign of a more serious condition, such as heart disease, high blood pressure, or diabetes. Treating that condition can improve your overall health and your erections.

Review your medicines. ED can be a side effect of many medicines, including those to treat high blood pressure, depression, anxiety, heartburn, allergies, pain, seizures, and cancer. If medicine is the cause of your ED, your doctor may be able to change the dose you take or switch you to another medicine.



Make lifestyle changes. Unhealthy habits can affect ED. Exercise regularly, lose extra weight, stop smoking, drink less, and do not abuse drugs.

Consider a medicine to boost erections. Certain medicines increase blood flow to the penis if taken an hour before sexual activity. They are avanafil (Stendra), sildenafil (Viagra), tadalafil (Cialis), and vardenafil (Levitra and Staxyn). Talk with your doctor about the benefits and risks of these medicines. You should not take them if you take a nitrate medicine, such as nitroglycerin pills for heart problems. The combination can cause a sudden drop in blood pressure.

Get help for emotional distress. Usually ED has a physical cause that can be treated. But depression, performance anxiety, and relationship problems can cause ED or make it worse. Counseling, alone or with your partner, may be helpful. Your doctor can refer you to a specialist.

Although available data is conflicting, the Food and Drug Administration (FDA) has concluded that increased cardiovascular risk (problems with the heart and blood vessels) associated with testosterone use is a possibility. The AUA recommends that only FDA-approved medications should be used and a physical evaluation and follow up are important.

Testosterone replacement therapy can be costly. Testosterone treatment can be an injection, a gel, or a patch that is put on the skin. All of these are costly. They may cost hundreds of dollars a month, depending on the treatment.

Men who use a testosterone treatment must use it indefinitely to get and keep the full effect.

When should you consider testosterone treatment for ED?

If you've had trouble having erections for three months, talk to your doctor. He or she will ask about all your symptoms and give you a physical exam.

Symptoms of low testosterone can include less of a sex drive, loss of body hair, breast growth, needing to shave less often, a drop in muscle size and strength, and bones that break more easily.

If you have some of these symptoms, your doctor may have you get a blood test to measure your testosterone levels. The blood test should be done more than once. It is best to do it in the morning when testosterone levels are highest.

If the tests show that you have low testosterone levels, your doctor should look for possible causes. For example, the low levels might be caused by a problem in the pituitary glands.

If no other cause is found, you can try testosterone treatment.

This report is for you to use when talking with your healthcare provider. It is not a substitute for medical advice and treatment. Use of this report is at your own risk.

© 2016 Consumer Reports. Developed in cooperation with the American Urological Association. To learn more about the sources used in this report and terms and conditions of use, visit

ConsumerHealthChoices.org/about-us/.