

### **Description:**

Letrozole is a nonsteroidal selective inhibitor of the third-generation aromatase. The structure and activity similar to the active drug Arimidex (Anastrozole) and assigned for the same indications. In particular, letrozole is recommended for the treatment of post-menopausal syndrome with estrogen receptor-positive or estrogen receptor-unknown breast cancer. Generally used as the drug of choice second line therapy after an unsuccessful estrogen receptor antagonist tamoxifen, although, depending on the circumstances, and may be selected as a first line drug. Male bodybuilders and other athletes have found their own benefit in the use of letrozole, thanks to its ability to mitigate / eliminate estrogenic side effects associated with taking aromatizing anabolic-androgenic steroids, such as: Gynecomastia, increased body fat, water retention, etc.

Letrozole is one of the latest achievements in the field of combating directed inhibition of aromatase. This is by far the most powerful drug lowers estrogen levels, it has a much stronger effect in comparison with such a non-selective inhibitors of aromatase like Cytadren and Teslac. The dosage of each tablet Femara equal to 2.5 mg, and according to the product description, then this preparation was reduced estrogen levels by 78% in clinical trials. The drug, however, is apparently often remains very effective in lower doses. Leaflet inside the packaging tells us that just **asin clinical trials the dose equal to 0.1mg and 0.5mg leads to lower estrogen levels by 75% and 78%, respectively, in many patients.** However, it is the recommended dose can achieve the desired effect in all patients. But be that as it may, the huge number of people as well and respond to the use of lower dosages.

### **History:**

The US FDA approved prescription letrozole for sale back in 1997, since it is sold by the pharmaceutical company Novartis pod Femara trade mark. Novartis udalos expand sales in more than 70 countries in which the drug was also approved. To date Femarayavlyaetsya dominant drug around the world, particularly in countries such as: Argentina, Australia, Belgium, Brazil, Canada, Chile, Czech Republic, France, Germany, Greece, Hong Kong, India, Netherlands, New Zealand, Italy, South Africa, Switzerland and Russia. Novartistak also sells under the brand name Letrozole Femarv Finland, Denmark, Norway and Sweden. In addition, letrozole can be found under different brand names, such as: Fempro (India), Oncolet (India), Trozet (India), Insegar (Spain), Aromek (Poland), LAMETTA (Poland), Cendalon (Argentina) Fecinole (Argentina), and Kebirzol (Argentina). But given the high level of efficiency and a strong marketing support, Femarai Femarostayutsya most popular products on the basis of letrozole worldwide.

### **Product:**

Letrozole usually comes in tablets with a dose equal to 2.5 mg.

### **Structural characteristics:**

Letrozole is classified as a non-steroidal selective inhibitor of the third-generation aromatase. Its chemical name - 4,4 '- (1H-1,2,4-triazol-1-ylmethylene) dibenzonitril.

### **Side effects:**

The most common side effects of aromatase inhibitor reception are: joint pain, weakness, fatigue, mood changes, depression, high blood pressure, swelling of arms / legs, and headache. Aromatase inhibitor can also reduce the degree of mineralization of bone density that can lead to osteoporosis and increased chance of fractures in susceptible patients. Some people may respond to medication gastrointestinal disorders including nausea and vomiting. Aromatase inhibitors may harm the unborn fetus, so do not start reception during pregnancy. When using men to reduce the effects of estrogen on the long-term course of steroids, the aromatase inhibitor may increase the risk of cardiovascular disease by reducing some of the beneficial effects of estrogen on cholesterol amount. **Studies have shown that by using an aromatase inhibitor together with testosterone enanthate, HDL reduction (good) cholesterol levels considerably. Therefore, as Tamoxifen does not have such a negative effect on cholesterol levels, that it should give preference to men prone to cardiovascular disease.**

***Application:***

*Letrozole FDA approved for:*

- 1) adjuvant therapy after menopause women with a positive diagnosis for breast cancer early stages;
- 2) adjuvant therapy for postmenopausal women with a positive diagnosis on breast cancer early stages of taking tamoxifen for 5 years;
- 3) treatment of locally rasprostonnogo or metastatic breast cancer, as a first preparation line;
- 4) the treatment of advanced breast cancer therapy with an anti-estrogen.

The recommended daily dosage is accepting one 2.5 mg tablet, regardless of the meal. When used to mitigate the estrogenic side effects of steroids on the course, or to increase muscle definition, male athletes and bodibldery usually have to take 1.25 mg or 2.5 mg daily. **In many cases, it will be enough and receiving 1.25 mg every other day, to prevent most of the side effects associated with high levels of estrogen.**

Prank somebody with the fake Windows 10 upgrade screen which never ends. Open the site in a web browser and go full screen with the F11 key.