

# SEXUAL DYSFUNCTION

IN MEN AND WOMEN



# WHAT IS LOW-INTENSITY EXTRACORPOREAL SHOCK WAVE THERAPY

Both men and women go through the same phases of sexual reactions cycle: sexual desire, sexual arousal, and, as a result, orgasm and resolution phase. During the phase of sexual arousal, in both men and women, the blood flow to pelvic organs increases, but in the event of erectile dysfunction in men and frigidity in women, this process weakens or does not occur at all. Furthermore, the innervation of genital organs in male and female organisms is identical. Activation, which enables genital innervation, launches the activation of blood circulation in the target organs.

Therefore, in case of ED in men, and in case of female sexual arousal disorder in women, along with other specific treatment methods, it is useful to perform non-invasive stimulation of insufficiently active physiological mechanisms of sexual arousal. However, for the treatment of ED in men, such stimulation has already been successfully used for a long time – that is the low-intensity extracorporeal shock wave therapy, which allows to restore the erection mechanism itself.



Studies from throughout the world, including those conducted by Ukrainian scientists, have established that low-intensity extracorporeal shock wave therapy induces neovascularization and therefore improves blood circulation. The intensity of the basal and sexually stimulated genital blood flow is a necessary physiological tool of sexual arousal and orgasmic discharge, which makes the subject of artificial stimulation of this indicator by means of shock wave therapy in both men and women particularly important. The use of shock wave therapy can have a number of advantages not only due to the increased blood and lymph flow in the genitals, but also due to the powerful stimulation of the release of neurotransmitters and hormones which provide emotional coloring to the sexual feeling and increase libido (serotonin, dopamine, endorphins etc.).

Therefore, along with combined therapy, the method of low-intensity extracorporeal shock wave therapy can be successfully used in the treatment of sexual dysfunction in men and in women.

# ERECTILE DYSFUNCTION: SYMPTOMS, CAUSES & TREATMENT

You are not alone. Millions of men suffer from ED.

Despite the variety of medication available to treat this issue, many men, due to medical conditions and adverse side effects, still struggle.

Acoustic Pressure Wave Therapy (APWT) is an excellent and effective alternative to oral medications, needles or surgery for this extremely common and frustrating issue.

## Signs & Symptoms:

Erectile Dysfunction (ED), also known as impotence, is a type of male sexual dysfunction characterized by the inability to maintain an erection long enough and firm enough for sexual intercourse.

## Erectile Dysfunction Causes:



### Poor circulation

The most common cause of ED is a lack of flowing blood to erectile tissue. Plaque & damaged vessels can restrict circulation to disrupt function.



### Hormonal imbalances

The production of testosterone and other hormones naturally decreases with age, and this can disrupt erections.



### Obesity or lack of physical activity

Engaging in an active lifestyle can help with weight management, stress, anxiety, depression, and decrease the risk of developing ED.



### Alcohol consumption

Alcohol can lower testosterone levels, decrease flowing blood to the penis, and cause nerve and hormonal imbalances.



### Smoking

The hardening of the arteries associated with smoking tobacco can reduce flowing blood to the penis.



### Cycling and horseback riding

The pressure applied to the pelvic floor during these activities can result in nerve and vascular damage that may inhibit erections.



### Sleep apnea

Disruptions to breathing during sleep affect oxygen levels in the blood, which can cause problems generating an erection.



### Psychological difficulties

Stress, depression, anxiety, and the medications to treat them may also contribute to impotence.



### Poor dental health

Men with severe periodontal disease were three times more likely to have consistent difficulties having an erection.



### Peyronie's disease

This condition is characterized by the bending or curvature of the penis, or narrowing of the penile shaft.



### High cholesterol

Blockages caused by elevated cholesterol levels or plaques that restrict flowing blood can prevent erectile tissue from filling with blood.



### Metabolic syndrome (MetS)

MetS is a combination of maladies that can cause ED.



### Hypertension

30-50% of hypertensive men also suffer from ED. Hypertension can disrupt erectile tissue function.



### Diabetes

35-90% of diabetic men also experience ED. Hyperglycemia can have a negative impact on several aspects of erectile function.



## What is APWT?

APWT (Acoustic Pressure Wave Therapy) is a highly effective, non-invasive, office-based procedure that represents a breakthrough treatment option for treating urological pain and vascular disorders associated with sexual dysfunction for both men and women. It is based on a unique set of acoustic pressure waves that stimulate the metabolism and enhance blood circulation.

## Why consider non-invasive APWT?

APWT is clinically proven and does not have the risks, complications and discomfort of pills, needles and surgery. The APWT procedure is performed in your medical professional's office, takes approximately 15-20 minutes, and does not require anesthesia. Patients can return to normal activity immediately following the procedure.

## How does APWT work?

Acoustic pressure waves are delivered to the treatment area, encouraging neovascularization in the penis shaft, creating new blood vessels in the penile tissue which enables the patient to achieve and maintain firm erections.

## What are the expected results?

The beneficial effects of APWT are often experienced after as few as 6 treatments, 2 times per week.

After the series of treatments, many patients report:

- + Improved erectile function
- + Decreased pain
- + Increased stimulation
- + Improved satisfaction

## What is the duration of the treatment and how many treatments will I need?

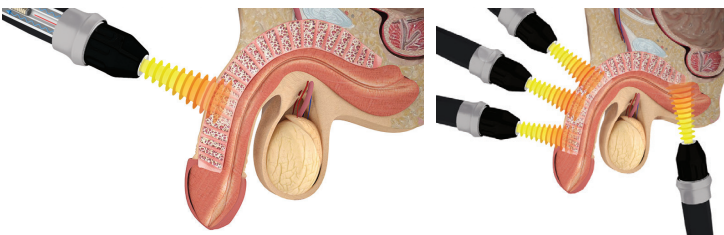
The treatment is performed in a medical professional's office. Taking approximately 15-20 minutes. Generally, 6 treatment sessions are necessary, 2 times per week.

## SEXUAL DYSFUNCTION IN WOMEN

Sexual dysfunction includes painful intercourse, painful contraction (spasm) of the vaginal muscles, and problems with sexual desire, arousal, or orgasm.

Shockwave therapy uses low-frequency acoustic waves to open old blood vessels, eliminate micro plaque buildup, and stimulate the formation of new blood vessels. The resulting improved blood flow helps to rejuvenate vaginal lubrication, regenerate nervous tissue, and increase the intensity of orgasm.

Shock wave therapy has been around for many years. The pulse wave therapy also breaks up fibrosis and calcified plaques that result due to trauma. The pulsed sound waves are delivered comfortably over a short duration with no discomfort or adverse after effects.



## What will happen after the treatment?

You will receive post-treatment instructions from your medical professional to follow during your recovery.

## How is the treatment performed?

Coupling gel is applied to the penis to enhance effectiveness. After these preparations, acoustic pressure waves are released via the applicator and moved over the treatment area in a circular motion.

## Is it safe?

Yes. This FDA cleared technology was developed in Europe and is currently used around the globe for the repair and treatment of soft tissue and improved blood circulation. A wealth of medical experience, state of the art engineering and optimal quality have been built into each device, and extensive clinical studies and tests have confirmed its safety and efficacy.

If performed by a qualified medical professional, this non-invasive treatment approach has virtually no risks or side effects.

## What if I have a special health condition?

The safety and effectiveness of this procedure has not been determined on people with the following health conditions. Your doctor will provide you with information about how these and other conditions might affect the determination to perform the procedures.

- + Prostate Cancer
- + Other Malignancies
- + DVT (Deep Vein Thrombosis)

## What are the possible side effects/complications?

The non-invasive treatment has virtually no risks or side effects. In some cases, patients may experience some minor discomfort which may continue for a day or two.

Many women report improvement in sexual arousal and vaginal tightening soon after the first treatment.

Lymphatic drainage is also improved with Shockwave therapy. A path is cleared for blood flow and the nervous signals can run freely through the pelvis to initiate regeneration of muscles and nerves and control sexual response and sexual climax.

There is a great deal of talk about shockwave in the media, also known and referred to as Shockwave therapy, ED1000, Renova, LISW, LI-ECSWT, EDSWT, and Acoustic Pressure Wave Therapy. The equipment is FDA cleared and helps women and men with improving sexual function.





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