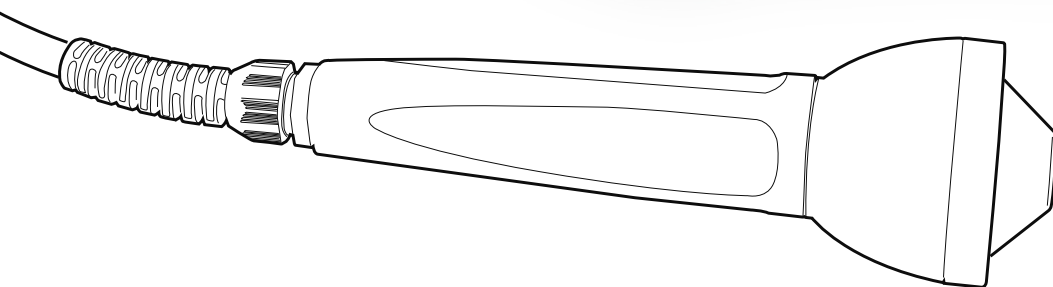
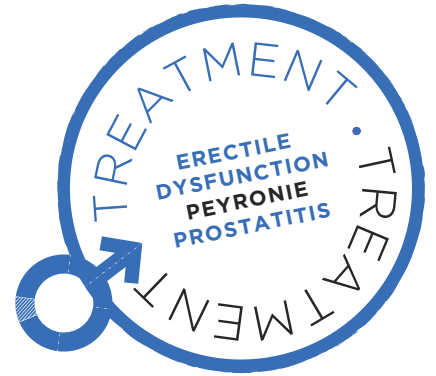


MODUS FOCUSED ESWT



FOCUSED SHOCKWAVE THERAPY



İNCELER



Touchscreen Interface of
Modus Focused ESWT
Shock Waves

MODUS FOCUSED ESWT



Focused Shock Wave Therapy

Low-intensity focused shock waves play a significant role in the treatment of **erectile dysfunction (impotence)** in the field of urology. **Modus Focused ESWT** supports the formation of new blood vessels by initiating the neovascularization process in specific areas of the body through acoustic waves. This process improves **penile blood flow and restores the natural erection mechanism** by enhancing circulation.

This innovative treatment, applied without the need for surgical intervention, can be effective not only in **erectile dysfunction** but also in the treatment of **chronic pelvic pain syndrome and Peyronie's disease**, along with other urological disorders. With the controlled and focused transmission of shock waves, deep tissues are reached, tissue repair is supported, and cellular regeneration is stimulated.

As a **safe and non-invasive** method, **Modus Focused ESWT** offers an important alternative for patients who do not wish to undergo medication or other treatments. By **enhancing blood circulation and promoting tissue regeneration**, it ensures a **natural and long-lasting healing process** for urological health issues.

> MODUS FOCUSED ESWT SHOCK WAVE THERAPY DEVICE

Modus Focused ESWT Shockwave Device is a non-invasive treatment method based on the focusing of shockwaves generated outside the body onto the desired area through a fluid-filled silicone applicator. This method enhances vascularization in the affected region, activating the body's natural healing mechanisms.

- ↓ **Wide Frequency and Power Range**
Offers impulse adjustment up to 25 levels with a frequency of 4 Hz.
- ↓ **Advanced Touch Interface**
Provides a user-friendly experience with its color touch screen. Treatment parameters can be easily monitored and adjusted in real-time during sessions.
- ↓ **Patient Tracking System**
The built-in patient record and tracking menu helps manage treatment processes more effectively.
- ↓ **Preset Treatment Protocols**
The system offers visual and written guidance to ensure ease of use. Various applicator options are available for different treatment needs.
- ↓ **Automatic and Manual Control**
The device automatically stops when the predetermined number of pulses is reached, but the user can intervene manually if desired.

Modus Focused ESWT is an innovative device designed to simplify modern treatment processes. With its advanced technology optimized to meet the needs of healthcare professionals, it makes a difference at every step.



Modus Focused ESWT
Handpiece and Head

MODUS FOCUSED ESWT HANDPIECE FEATURES

More efficient treatments with full energy transfer and ergonomic design

Provides More Energy
On Deeper Tissues



Advantages for the User

- > Ensures full energy transmission to anatomical regions.
- > Ergonomic design prevents hand fatigue, providing comfort during prolonged use.
- > Lightweight and well-balanced structure allows easy maneuverability.
- > Durable construction requires no maintenance, ensuring long-lasting performance.

F-50 Head

Penetration Depths

- 68,50 mm
- 28,50 mm
- 12,50 mm
- 84,50 mm



Modus Focused ESWT provides high treatment efficiency with a penetration depth of up to **84.50 mm**. The powerful energy reaching deep tissues helps achieve fast and effective results.



Higher Energy Output

Delivers optimal results with highly focused energy to the treatment area.



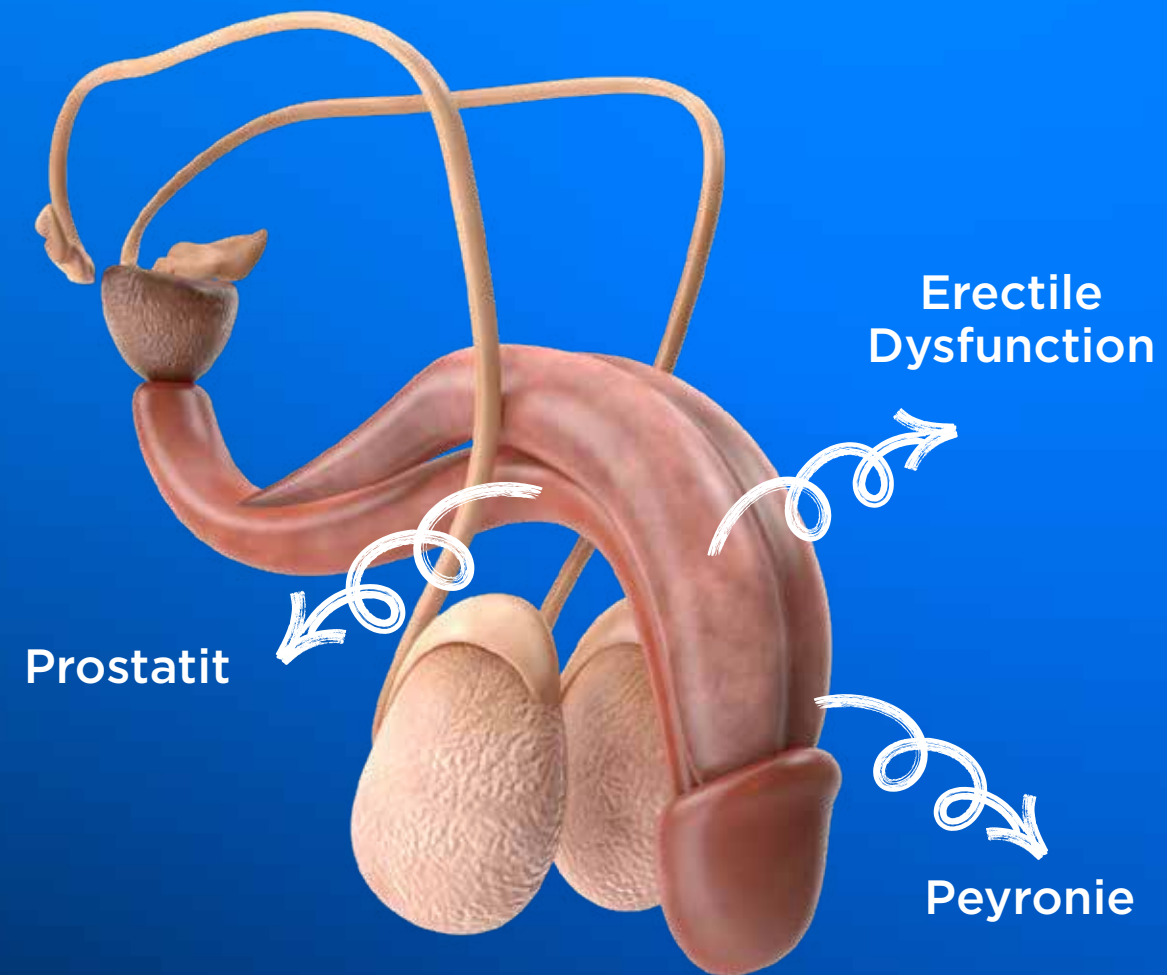
High Energy Depth

Reaches deeper tissues with effective energy, accelerating the healing process.



Fast and Effective Treatments

Saves time with shorter session durations.



WHAT IS ERECTILE DYSFUNCTION?

All men may experience erection problems from time to time due to various reasons. Factors such as **stress, fatigue, alcohol consumption, or incompatibility with a partner** can temporarily make it difficult to achieve or maintain an erection. However, when **this problem becomes persistent and occurs regularly**, it is considered a medical condition known as **erectile dysfunction (ED)**.

Erectile dysfunction is defined as **the inability to achieve or sustain an erection for an extended period**. This condition should be diagnosed as a **recurring and persistent problem**.

WHAT CAUSES ERECTILE DYSFUNCTION?

Erection problems are often caused by **various stress factors experienced during sexual intercourse**. However, stress-induced erection issues are usually temporary. Medically, for a condition to be classified as an erectile dysfunction problem, it must be persistent.

Such long-term erection problems typically arise from **issues in the blood vessels that supply blood to the penis**. Insufficient blood flow to the penile tissue prevents a proper erection. **Damage to the nerves in the penile region due to trauma** can also contribute to erectile dysfunction. Additionally, **atherosclerosis (narrowing of arteries), heart disease, high blood pressure, and diabetes-related high blood sugar levels** are other common causes of erection problems.

Erection problems can have both **physical and psychological** causes. In many cases, these two factors can trigger each other, making erectile dysfunction a complex condition.

Some **risk factors for erectile dysfunction** include:



The most common age group for erectile dysfunction is 50 years and older. Therefore, individuals over 50 are more likely to experience erection issue.



Diabetes, high blood pressure, high cholesterol, cardiovascular diseases, and prostate-related conditions can contribute to erection problems



Smoking, excessive alcohol consumption, and drug use increase the risk of erectile dysfunction and other sexual dysfunctions



Obesity and lack of exercise



Psychological factors



WHY DOES ERECTILE DYSFUNCTION OCCUR?

The erection process occurs when the **sinusoidal structures within the Corpus Cavernosum** in the penis fill with blood. During sexual arousal, signals from the central nervous system cause the arteries to dilate, increasing blood flow to these areas.

As blood flow increases, the **Tunica Albuginea** structure, which maintains the erection by trapping blood in the penis, is activated. This structure ensures the rigidity of the penis, allowing the erection to be sustained. However, any **physical or vascular condition that restricts blood flow** can lead to **erectile dysfunction (ED)**.

One of the **modern treatment methods** for erectile dysfunction is **Modus Focused ESWT**, which promotes **vascular regeneration and blood flow** using low-intensity shock waves. This method plays a significant role in **restoring the natural erection mechanism** and treating erectile dysfunction.

LOW-INTENSITY SHOCKWAVE THERAPY

Low-intensity shock wave therapy initiates a **biological healing process** in the body by creating **mechanical stress and microtrauma** in specific anatomical areas. These microtraumas **stimulate the release of angiogenic factors** (growth factors that promote new blood vessel formation).

As a result, **vascular structures in the penis regenerate**, the **neovascularization process accelerates**, and **natural blood circulation improves**. Ultimately, this strengthens the **erection mechanism** and treats **erectile dysfunction (ED)**.



Before Treatment
Decreased vascular density and insufficient blood flow.



During Treatment
Microtraumas trigger vascular regeneration mechanisms



After Treatment
Increased vascular formation, improved circulation, and better blood flow.

**NON-INVASIVE, EFFECTIVE,
AND SAFE MODUS
FOCUSED ESWT** 

This non-invasive, drug-free, and safe treatment method offers an effective alternative for erectile dysfunction.

WHAT IS PEYRONIE'S DISEASE (PENILE CURVATURE)?

Peyronie's disease is a condition characterized by **deformity and curvature** of the penis due to plaque formation. The disease arises from structural changes in the **Tunica Albuginea**, which surrounds the **spongy tissues (Corpus Cavernosum)** of the penis. Over time, these changes lead to the formation of hardened plaques, causing **penile curvature**. Peyronie's disease is most commonly observed in men aged **40 to 60**.

Penile curvature can be **congenital or acquired**. In congenital Peyronie's disease, the curvature occurs due to the **underdevelopment of one of the spongy tissues** responsible for maintaining an erection. **Acquired Peyronie's disease** typically affects **men over 50** and results from **scar tissue formation** in the penile tissues.

This condition is more frequently seen in individuals with risk factors such as **diabetes, hypertension, smoking, and alcohol consumption**.

SHOCK WAVE THERAPY FOR PEYRONIE'S DISEASE



Modus Focused ESWT helps reduce pain, correct penile curvature, and improve erectile function in Peyronie's patients.



Low-energy shock waves dissolve plaque formation, increase blood flow to penile tissues, and activate natural healing mechanisms.



This non-invasive treatment offers both curvature correction and improved erection quality for patients.

PEYRONIE'S TREATMENT APPLICATION AREA

Modus Focused ESWT treatment is a **non-invasive method of applying low-intensity shock waves** to the shaft and crus region on the penis, ultimately helping to increase blood flow in these areas of the penis and treat peyronieus. Patients can resume their lives after the procedure.

Anesthesia and hospitalization are not required. The application is performed at least **1 or 2 sessions** per week. Depending on the age and size of the plaque, **6-24 sessions** are required. The session duration is **30-40 minutes**.



Reducing penile curvature
improves patients'
quality of life



WHAT IS PROSTATITIS?

The **prostate** is an important organ located just below the bladder and plays a crucial role in the male reproductive system. **Prostatitis** refers to the **inflammation of the prostate gland**, which can cause **discomfort, pain, and functional disorders** in men.

Prostatitis can be classified as **acute or chronic**. Some **acute prostate inflammations** may present with mild symptoms, while others might require prolonged medical intervention. **Chronic prostatitis** is one of the most common urological conditions in men and can significantly affect quality of life.

This condition is **most frequently observed in men under 50 years old**, while in men **over 50**, prostatitis is often associated with **prostate enlargement or cancer**.

WHAT IS THE RELATIONSHIP BETWEEN PROSTATITIS AND ERECTILE DYSFUNCTION?

The prostate can basically be analyzed in four main groups. These four groups are **chronic bacterial prostatitis, chronic pelvic pain syndrome, asymptomatic inflammatory prostatitis and acute bacterial prostatitis**. Among these four classes, chronic pelvic pain syndrome stands out the most. As a result of scientific research, it has been concluded that prostatitis and erection problems may be caused by the same cause. Accordingly, inflammations that cause erectile dysfunction in the body can also cause prostatitis. In other words, the fact that men who have prostatitis problems will also have **erectile dysfunction** is emerging. In addition, it is a known fact that in cases of prostate cancer, the inflammation in question affects the male hormone of hormone treatments.

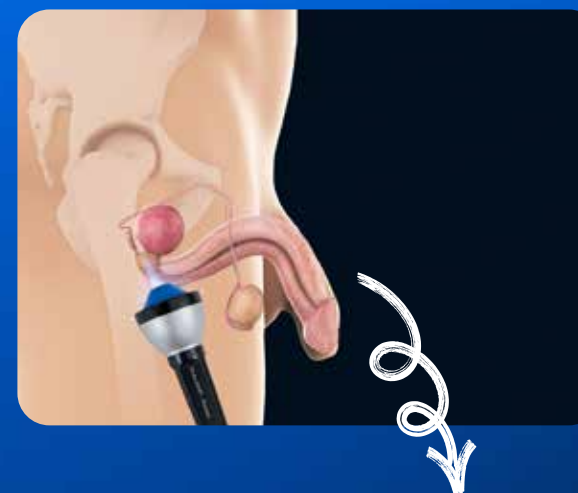
As a result, a person undergoing **prostatitis treatment** may experience erection problems with the effect of the hormones he receives. In surgeries for prostate cancer, the nerves belonging to erection are usually removed from the area. As a result, **serious problems occur in the patient in terms of erection**.

SHOCK WAVE THERAPY FOR PROSTATITIS (MODUS FOCUSED ESWT)

- > Stimulates new blood vessel formation.
- > Enhances blood circulation, accelerating the healing process.
- > Reduces inflammation, relieving pressure on the prostate gland.
- > Relaxes muscle spasms and alleviates pelvic pain.
- > Supports nerve signaling, improving sexual function.
- > Scientific studies indicate that this treatment provides up to **80% improvement** in prostatitis-related **pelvic pain and urinary problems**.

PROSTATITIS APPLICATION AREA

Modus Focused ESWT treatment is applied through the area we call the perineum (between the testicle and anus) and through the skin. Anesthesia and hospitalization are not required. **At least 6 to 12 sessions** are performed twice a week. The treatment takes about **20 minutes**.



It accelerates healing by increasing blood flow in the pelvic area.



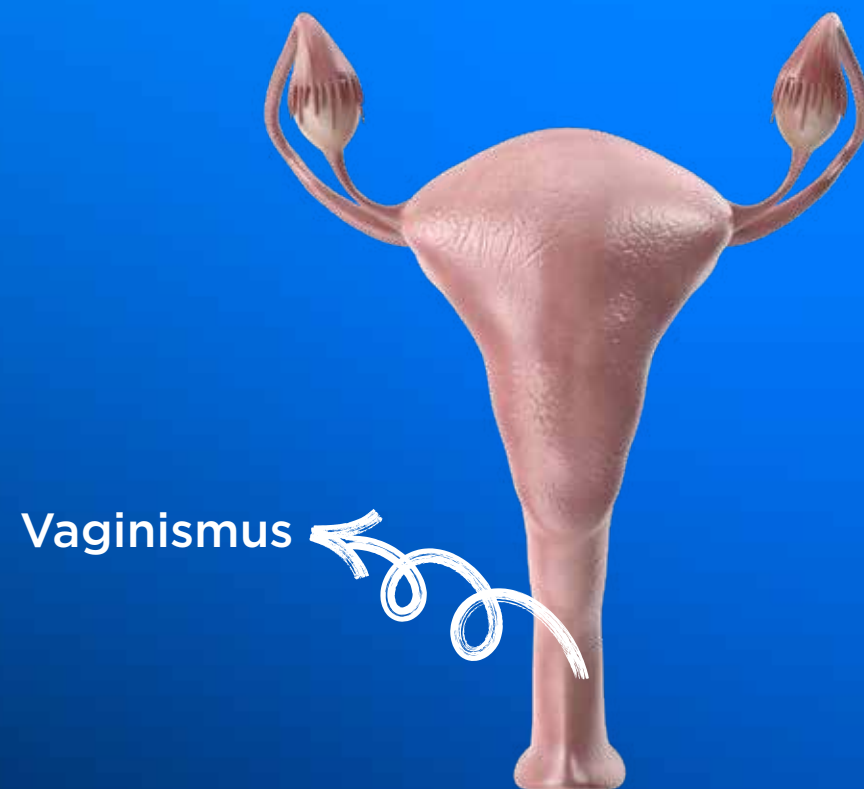
WHAT IS VAGINISMUS?

Vaginismus is a sexual dysfunction characterized by the **involuntary contraction of vaginal muscles**, preventing sexual intercourse or making it extremely painful. As a result of **deep-seated misconceptions about sex, fears, or past traumas**, the **pelvic muscles in the outer third of the vaginal canal** contract involuntarily. This condition triggers the body's "**self-protection mechanism**," leading to a reflexive response that can make penetration impossible.

In vaginismus patients, muscle contractions are **not limited to the vaginal area** but can also affect the **abdomen, lower back, spine, and legs**. These widespread muscle spasms may lead to **muscle pain and a general sense of tension** after attempts at intercourse. The severity of symptoms varies from person to person depending on the **degree of vaginismus**.

MODUS FOCUSED ESWT FOR VAGINISMUS TREATMENT

- Modus Focused ESWT reduces vaginal muscle spasms and involuntary contractions, allowing sexual intercourse to take place in a painless and healthy way.
- Low-intensity shock waves reduce muscle tension, increase blood flow and relax vaginal tissues.
- By promoting new vessel formation, it accelerates blood circulation in the vaginal area and supports the healing process.
- Clinical studies have shown that 75% of patients have reduced pain, burning and contraction problems during sexual intercourse after treatment.
- Each session lasts approximately 20 minutes and a total of 6 sessions are applied.
- After treatment, patients gain comfort and self-confidence during sexual intercourse.
- Modus Focused ESWT offers an effective solution in the treatment of vaginismus with a drug-free and non-invasive method and improves the quality of life of women.



WHAT ARE THE DIFFERENCES FROM OTHER TREATMENT METHODS?

Current non-surgical treatment methods of erectile dysfunction consist of intracavernosal injections of intravenous vasodilating agents. In these methods, blood flow is accelerated by increasing the width of the vessel. The disadvantages of these treatment methods are that they do not eliminate the pathological factors underlying the erection of the penis. It is generally used before sexual intercourse and the duration of action is very limited.

In medical treatment, pills are taken orally and the active ingredients are passed into the blood. This results with some serious side effects especially in men with cardiovascular diseases and in men with taking some cardiac medications. As a local procedure in **Modus Focused ESWT** treatment, focused shock waves only stimulate blood vessels in the targeted area.

In the treatment with focused shock waves of **Modus Focused ESWT**, the relevant pathological factors are completely eliminated and total recovery is observed even in patients with severe health problems. Although vascular structures are not improved during the other treatment modalities, new healthy vascular formations are the positive results of **Modus Focused ESWT** treatment. Thus, risky side effects that are more likely to be observed in people with cardiovascular disease are avoided.

In addition, as avoided with a local procedure. **Modus Focused ESWT** is a non-invasive treatment method, any surgical intervention is not performed on the patient. After approximately 20 minutes for each session, the patient continues his daily life.



WHY MODUS FOCUSED ESWT



In the treatment with focused shock waves of **Modus Focused ESWT**, the relevant pathological factors are completely eliminated and complete recovery is observed even in patients with severe health problems.



Like in other treatment methods, vessel width is not increased; new vessel formation is provided with **Modus Focused ESWT**. Thus, risky side effects that are more likely to be observed, especially in patients with cardiovascular disease, are avoided.



Since **Modus Focused ESWT** is a non-invasive treatment method, surgical intervention is not performed on the patient. After approximately 20 minutes of the sessions, the patient continues their daily life.

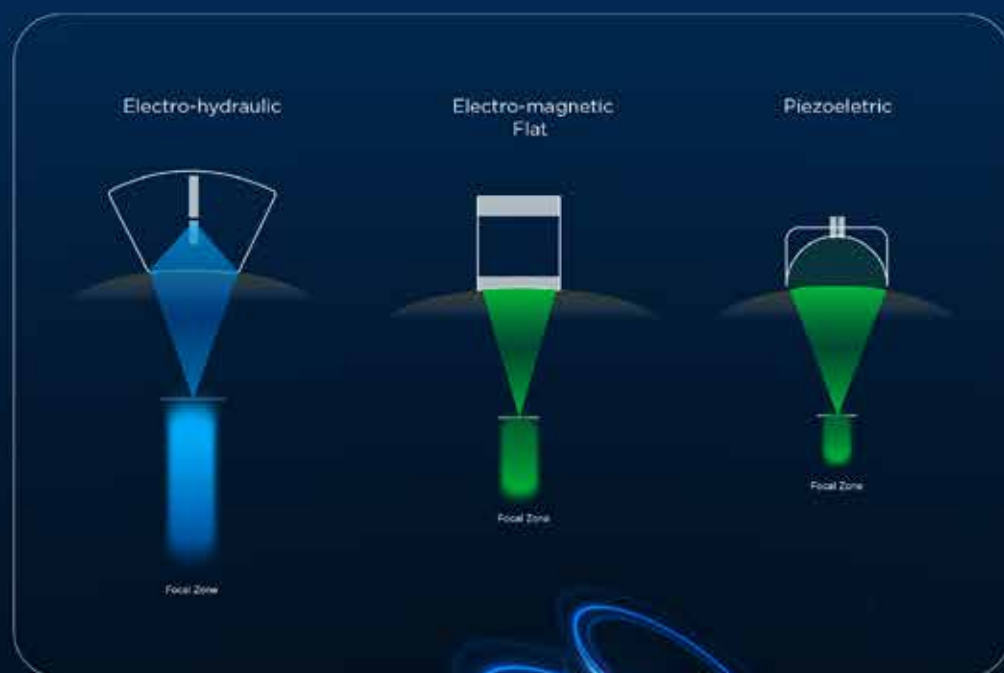


The **Modus Focused ESWT** system is a specially designed device for penile applications in this procedure. The **Modus Focused ESWT** system is designed to provide maximum efficiency even from the lowest rhythms of shock waves. Unlike other devices in the market, this system has adjustable electro frequency and the number of shocks can be adjusted specifically for each patient. Therefore, **Modus Focused ESWT** treatments give much more effective results in a short time.

> MODUS FOCUSED ESWT POWERFUL AND DEEPLY EFFECTIVE SHOCKWAVE TECHNOLOGY

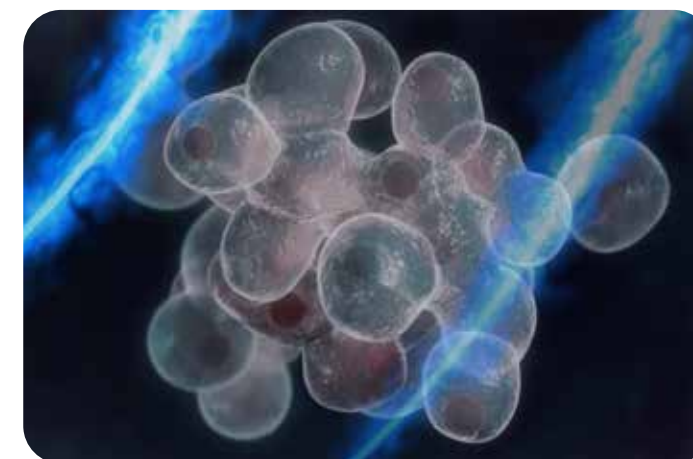
Modus Focused ESWT is an innovative shockwave therapy system that operates on the electrohydraulic principle. A high-voltage electrical discharge generates a powerful acoustic shockwave in a fluid medium. These waves are directed to a narrow focal point through specially designed reflectors, ensuring maximum energy transfer to the target tissue.

This technology offers a broader focal area compared to competing piezoelectric and electromagnetic ESWT systems, enabling faster and more effective treatment.



> FOCUSED SHOCKWAVES THAT TRIGGER CELL REGENERATION ↘

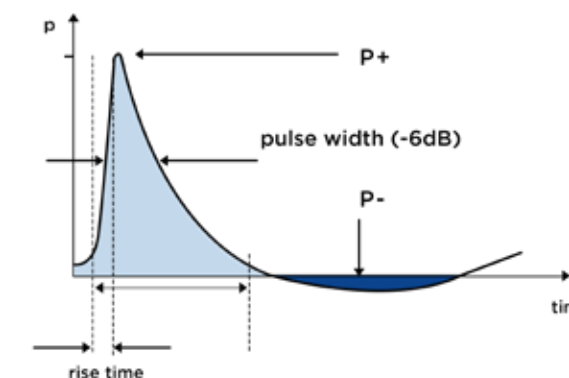
Focused electrohydraulic shockwaves deliver intense mechanical force and high-energy transfer to the target tissue. This biomechanical stimulation triggers cellular regeneration, accelerates blood circulation, and activates the regenerative process. With deep and precise focusing technology, it ensures rapid healing and long-lasting therapeutic effects.



> PRESSURE CHARACTERISTICS OF FOCUSED SHOCKWAVES ↘

Shock Wave Pressure Profile: The graph illustrates the pressure variation of a shock wave over time. P+ (positive pressure) rises sharply to a peak and then gradually decreases, transitioning into negative pressure (P-).

Pulse Width and Rise Time: The area labeled as "Pulse width (-6dB)" indicates the effective duration of the pulse, while the "Rise time" region represents the time taken for the pressure to reach its peak level. A short rise time signifies a rapid and intense impact of the shock wave.



HOW IS ERECTILE DYSFUNCTION TREATMENT PERFORMED WITH ESWT?

Shock waves are applied to 5 different areas in the penis. Shock pulses are applied on the objects that provide erection in the penis, and it is tried not to be applied to the places where the nerves pass. The important thing is to deliver shock waves to the area called **Corpus Cavernosum** (each of the erectile tissue masses on both sides of the penis, which is filled with blood and shows hardening properties) and to provide erection.

Each applied area receives **300 shock** pulses in one session and 1500 in total. The treatment takes a total of 6 sessions. Depending on the severity of the discomfort, the treatment can be completed in **6-12 sessions**. Each session lasts approximately **20 minutes**. No sedation, sedative, etc. is required before the treatment.

There are no side effects such as pain, soreness, swelling, bruising, burning and irritation during or after the procedure. The patient continues his/her daily life after the procedure.

6 STEP ERECTION TREATMENT



1. APPLY ULTRASONIC GEL



2. ON the LEFT SIDE 1 AREA, PROXIMAL PENILE SHAFT (the root of the penis) APPLY SHOCK WAVES



3. ON the RIGHT SIDE, 1 AREA PROXIMAL PENILE SHAFT (the root of penis) APPLY SHOCK WAVES



4. ON the LEFT SIDE 2 AREA, MIDDLE PENILE SHAFT (body area of the penis) APPLY SHOCK WAVES

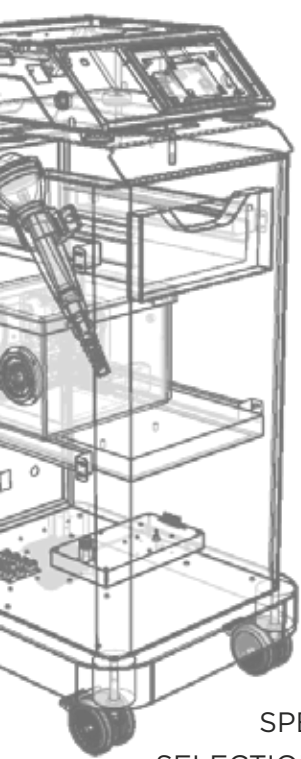


5. ON the RIGHT SIDE 2 AREA, MIDDLE PENILE SHAFT (body area of the penis) APPLY SHOCK WAVES



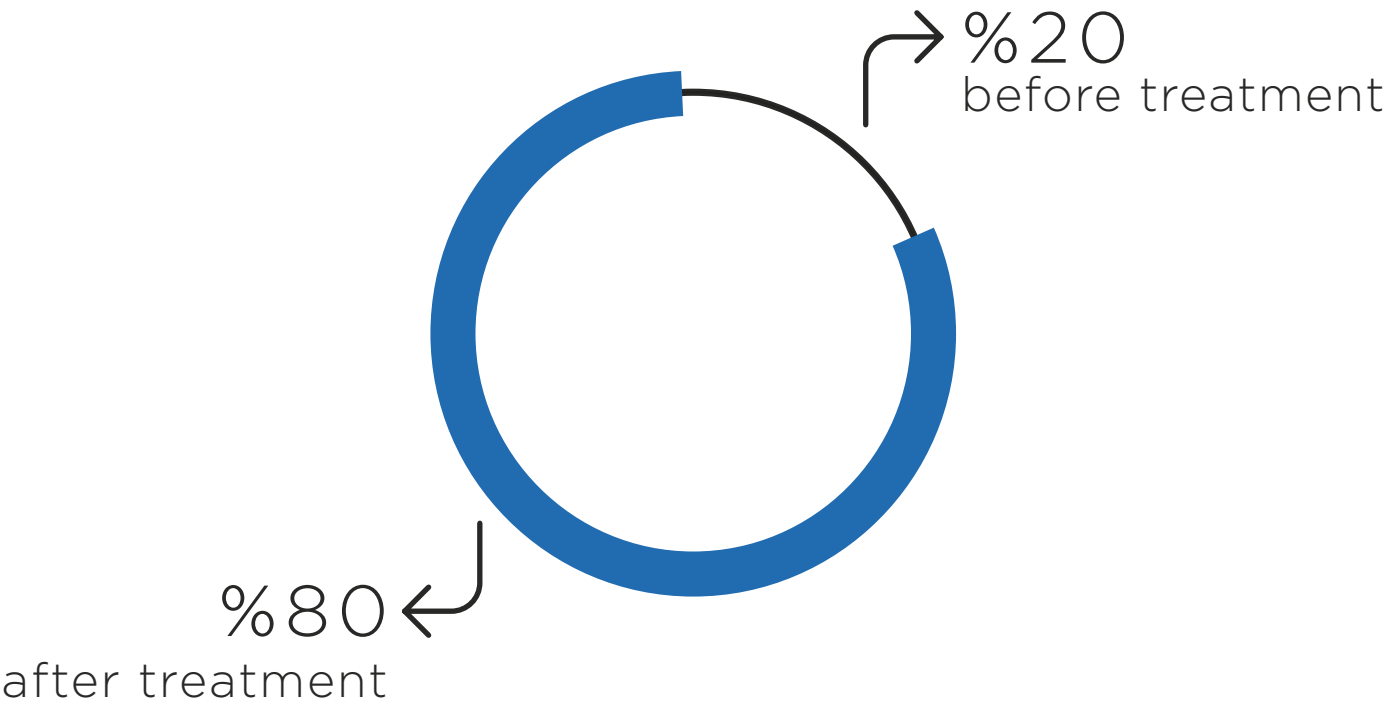
6. ON THE RIGHT SIDE 3 AREA, DISTAL PENILE SHAFT (distal areas of the penis) APPLY SHOCK WAVES

Technical Specifications



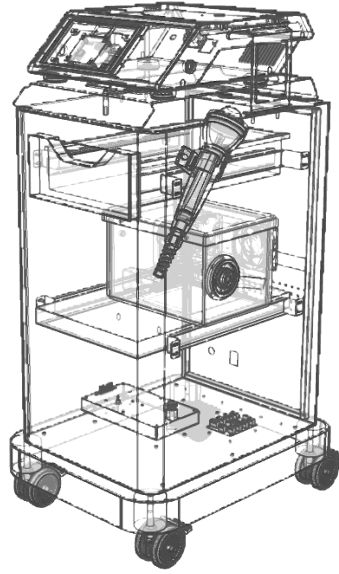
MANUFACTURER	INCELER MEDIKAL SAĞLIK HIZ. SAN. TIC. LTD. ŞTİ.
MODEL	Modus Focused ESWT
QUALITY AND CLASSIFICATION	According to EN 60601-1 Class I Type B According to EN 93/42 MDD Class IIb FDA Registered Manufacturer IEC 60601-1 IEC 60601-1-2
USER MODES	Continuous, Burst, Auto
POWER LEVEL	1-25
WORKING PRINCIPLE	Electrohydraulics(Focused)
ELECTRODE LIFESPAN	50K - 70K Shock
FREQUENCY	1 - 4 Hz
DISPLAY	Colored Touch Screen
TREATMENT START/STOP	Main Unit Button, Foot Pedal (Optional)
MEMORY	3 User Defined Treatment Protocol
TREATMENT PROTOCOL	20-30 Units
USER PASSWORD	
WEIGHT	55 kg
DIMENSIONS (HxWxG)	116 mm x 387 mm x 316 mm (Main Unit) 450x350x930x mm (Trolley including)
SPECIAL TREATMENT PARAMETER	Yes
SELECTION AND PROTOCOL SELECTIONS	
VOLTAGE & FREQUENCY	110 - 240 ±% 10 VAC & 50/60 Hz
OPERATING ENVIRONMENT	10° C ≤ Temperature ≤ 40° C 30% Rh ≤ Humidity ≤ 80% Rh
STORAGE ENVIRONMENT	-10° C ≤ Temperature ≤ 50° C 20% Rh ≤ Humidity ≤ 90% Rh
WARRANTY	24 Months

AVERAGE SUCCESS RATE



ADVANTAGES AND PERFORMANCE

- > During treatment, medication, prosthesis, etc. are not used. This method of treatment is completely non-invasive.
- > After **Modus Focused ESWT** treatment, patients no longer need the medical the treatments which they may have previously undergone.
- > **Modus Focused ESWT** treatment success is over 80%. The success rate exceeds 60% in severe patients who do not even respond to medications.
- > Unlike other treatment methods, after the procedure, the patient continues their daily life. it does not need to be used before every sexual intercourse. It does not require medication such as anesthesia or sedatives during and after the procedure.
- > It has been observed that **Modus Focused ESWT** treatment increases blood vessels and penis size.
- > **Modus Focused ESWT** therapy offers a permanent treatment by completely removing the occlusion in the vessels and accelerating the formation of new blood vessels.



Technology For Health

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