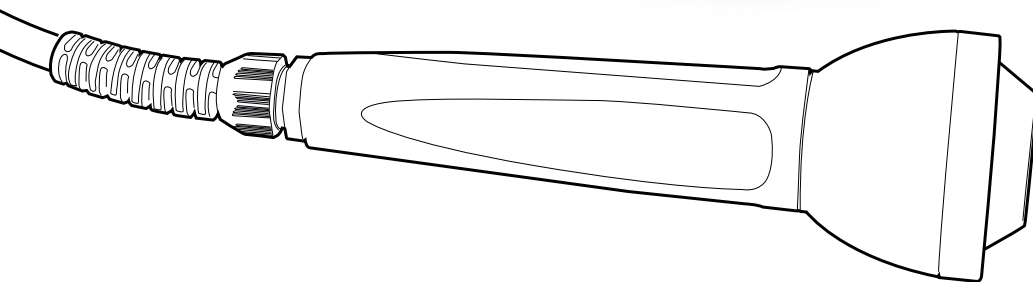
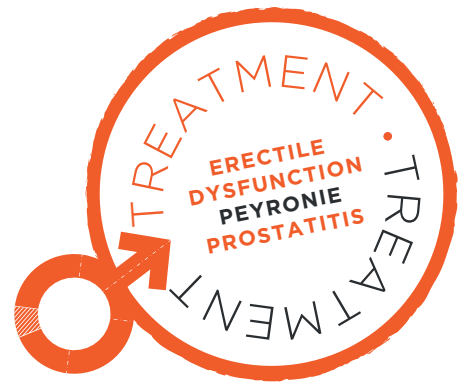


# MODUS ED SWT®



FOCUSED SHOCKWAVE THERAPY





Touchscreen interface  
Modus ED SWT®  
Focused Shock Waves

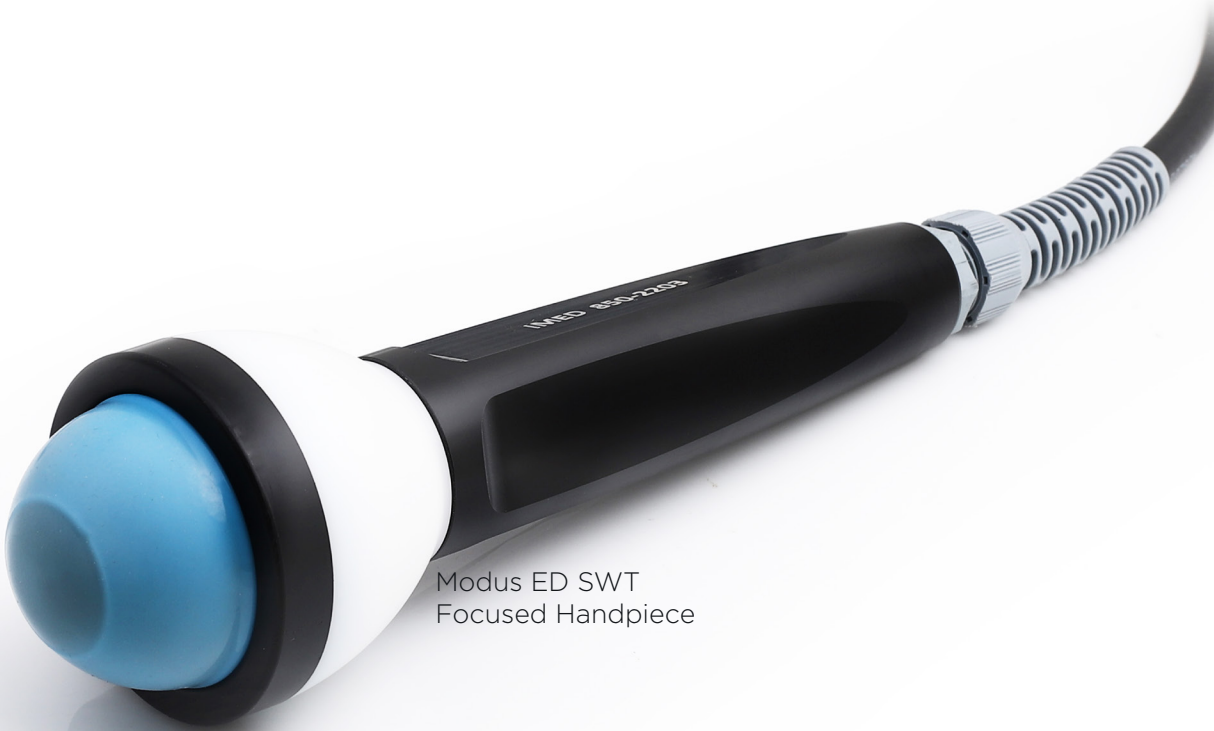
# MODUS ED SWT

## Low-Intensity Focus Model Shock Wave Therapy System

The focusing mechanism directs each shock to a specific point in the body. Modus ED SWT is used in physiotherapy, orthopedics, veterinary medicine, and urology where it can be used to treat erectile dysfunction, also known as impotence. Acoustic waves are used in the shock wave therapy to initiate the neovas-

cularization process in some parts of the body. New blood vessels are formed as a result of neovascularization. As a result of increased penile blood flow with the formation of new vessels, the body's natural erection system recovers to its normal state.

*Modus ed swt*



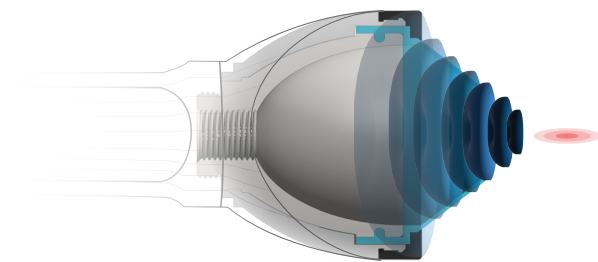
Modus ED SWT  
Focused Handpiece

F-50 Head

Penetration Depths

- 20 mm
- 30 mm
- 50 mm
- 70 mm

Usage Area: Erectile Dysfunction, Prostatitis

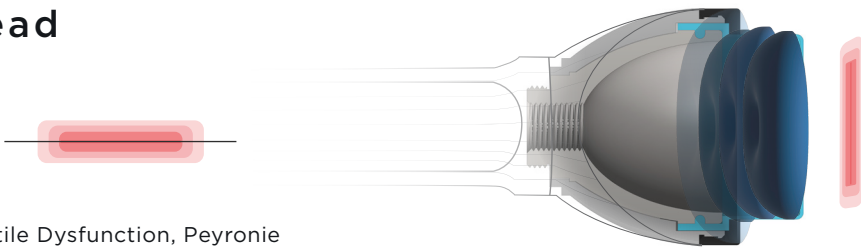


F-L50 Head

Penetration Depths

- 50 mm

Usage Area: Erectile Dysfunction, Peyronie

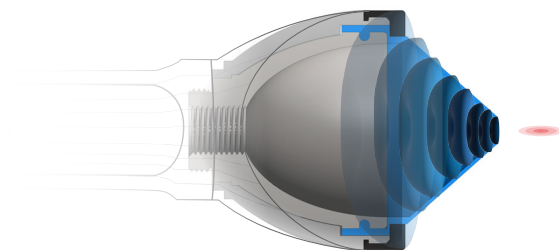


F-35 Head

Penetration Depths

- 15 mm
- 25 mm
- 35 mm

Usage Area: Peyronie

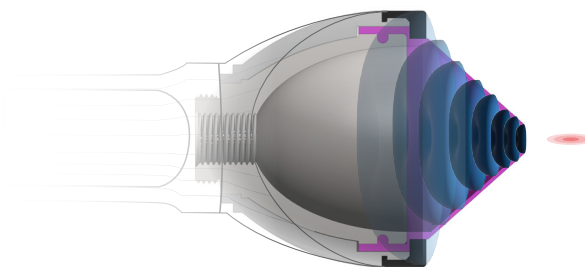


F-35 Head

Penetration Depths

- 15 mm
- 25 mm
- 35 mm

Usage Area: Vaginismus



MODUS ED SWTFOCUSED HANDPIECE FEATURES

- > Full energy transmission to the selected anatomical region
- > Easy and fast use that does not tire the hand
- > Easy mobility
- > Maintenance-free handpiece
- > Head options with easy replacement according to use



> GIVES MORE ENERGY FURTHER



Higher Energy Output

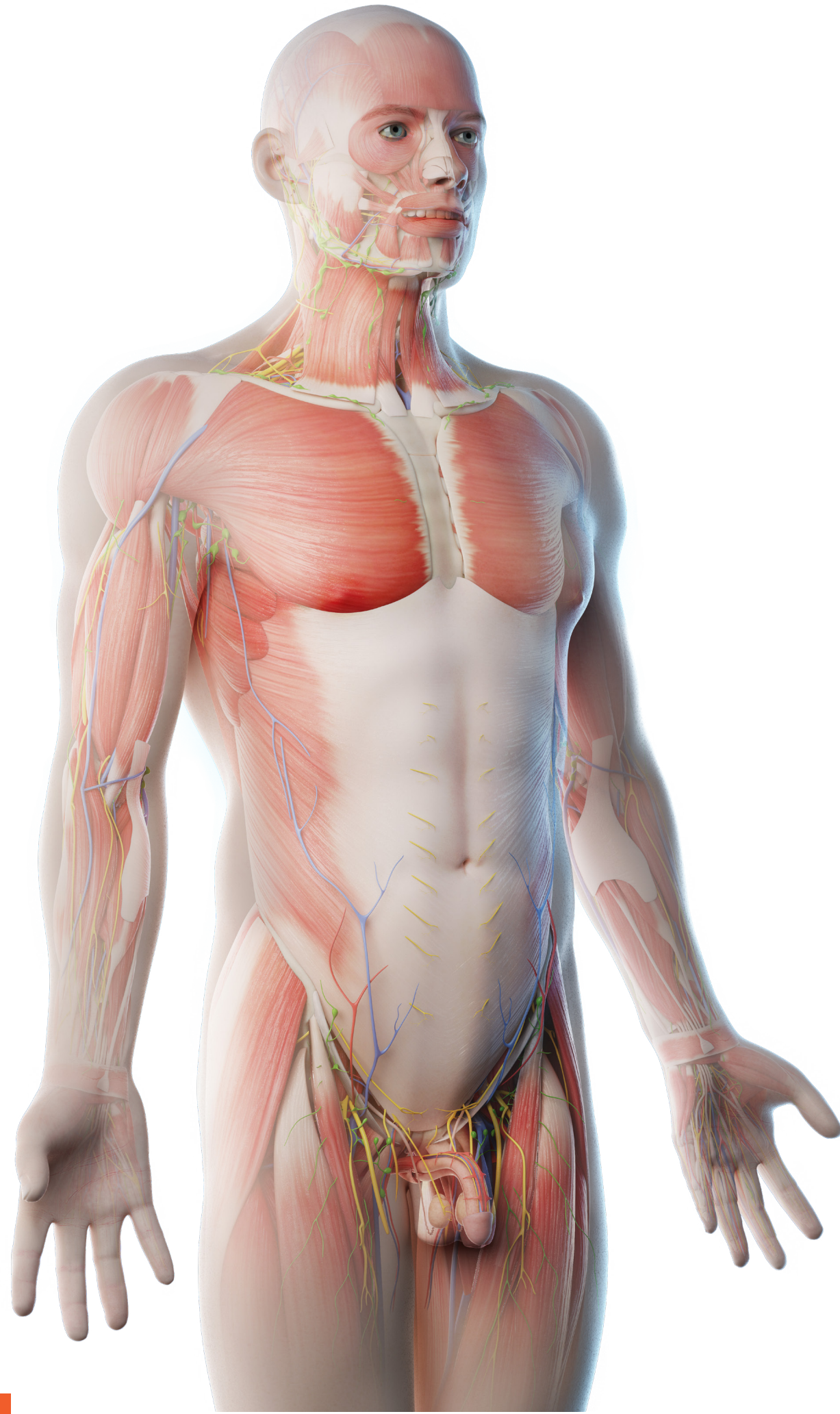


High Energy Depth



Fast and Effective Treatments





## WHAT IS THE SHOCK WAVE THERAPY?

Therapy with externally administered shock waves is frequently preferred in veterinary medicine, neurology, urology, cardiology, sports medicine, aesthetics and especially orthopedics and physical therapy. An advantages of this system is faster tissue healing by increasing revascularization, collagen synthesis, and oxygenation in the tissue of the application area. AISD, it developing less viscous tissue and mechanically strengthens the tissue.

With the non-invasive principle of the system, the desired treatment can be performed without the need for surgery.



## WHAT IS ERECTILE DYSFUNCTION (ED)?

From time to time, all men may have erectile dysfunction for various reasons. It is normal to have problems sometimes with both having and maintaining an erection. Stress, alcohol use, and incompatibility with a partner can sometimes cause problems having or maintaining an erection. However, in some men, the inability to have and

maintain an erection becomes a constant state of affairs. In this case, the problem of erection can be considered. This also known as erectile dysfunction, is a medical problem in men having or maintaining an erection for a long time. In other words, this means that it must be a frequently occurring condition to be erectile dysfunction.

## WHAT CAUSES ERECTILE DYSFUNCTION?

Erectile dysfunction can be caused by different stressors that are usually experienced during sexual intercourse. However, erection problems due to stress are usually temporary. In order to consider an erection problem medically, this problem must be experienced constantly. In addition, long-term erection problems are usually caused by some problems in the veins that provide blood flow to the penis area. When a sufficient amount of blood does not go into the penis or the blood is not trapped there, it prevents the penis from erection. If the nerves in the penile region are damaged due to certain traumas, it can also be one of

the factors causing erection problems. On the other hand, other health conditions such as atherosclerosis (hardening or blockage of the arteries), heart disease, high blood pressure or hyperglycemia due to diabetes can also be among the causes of erectile dysfunction.

There are both physical and psychological aspects of erectile dysfunction in men.

In some cases, these two factors can induce each other, so it can be both. Some risk factors that can obstruct penile erection can be listed as follows:

> The most common age group for erectile dysfunction is over 50 years; therefore, being over 50 is a risk factor for erectile dysfunction.

> Diseases such as diabetes, hypertension, high cholesterol, cardiovascular diseases, and prostatitis can cause erectile dysfunction.

> Smoking, excessive alcohol consumption and drug use are also risk factors for all sexual dysfunctions.

> Being overweight and not exercising.

> Psychological Problems



## AT WHAT AGES ARE ERECTILE DYSFUNCTIONS OBSERVED?

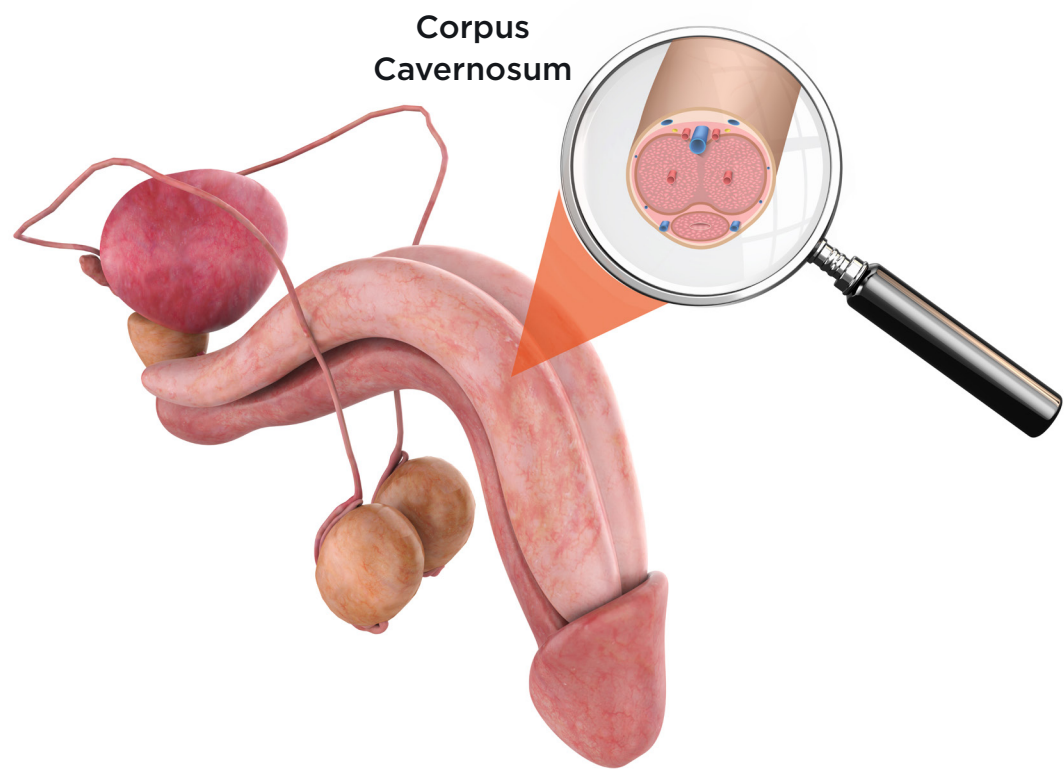
Erectile dysfunction can be seen at any age. However, its prevalence increases of erectile dysfunction increases with age. It is most commonly seen after

the age of 50. However, some men who exercise regularly and do not smoke or drink alcohol can maintain healthy sexual functionality even at the age of 80.

# WHY DOES ERECTILE DYSFUNCTION OCCUR?

The erection of the male sexual occurs when sinusoidal structures in the tissue, called the carpus cavernosum, are filled with blood. Arteries that relax

with signals from the central nervous system during sexual intercourse help more blood flow to these sinusoids.



The increase of pressure, as a result of blood filling the penile tissues, stimulates the Tunica albuginea region, which is vital for the continuation of the erection state. This stimulated area regulates the blood flow in the

penis stably and ensures the preservation of the erection state. Any physical ailment that prevents this blood filling causes the penis not to erect or to maintain it.

# HOW IS ERECTILE DYSFUNCTION TREATMENT PERFORMED WITH ESWT?

Shock waves are performed to 5 different areas of the penis. Shock waves are applied to the base and lateral zones for both sides. The applier should specially aim to apply shock waves to the areas called Corpus Cavernosum (each of the erectile tissue mass that fills with blood and hardens on both sides of the penis) zones on both sides. It is recommended to apply 300 hundred shock wave shots for each area and

1500 shots for totally. Depending on the severity of the disease, the treatment can be extended for 12 sessions. Each session takes approximately 20 minutes. Before the procedure, no sedatives are needed. There are no side effects such as pain, ache, swelling, bruising, burning, and irritation during or after the procedure. After the procedure, the patient can return his daily life at the same day.

# 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 ED SWT treatment, focused shock waves only stimulate blood vessels in the targeted area.

In the treatment with focused shock waves of Modus ED SWT, 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 ED SWT treatment. Thus, risky side effects that are more likely to be observed especially in people especially with cardiovascular disease are avoided. In addition, as avoided with a local procedure. Modus ED SWT 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.

# WHAT IS PEYRONIE’S DISEASE (PENILE CURVATURE)?

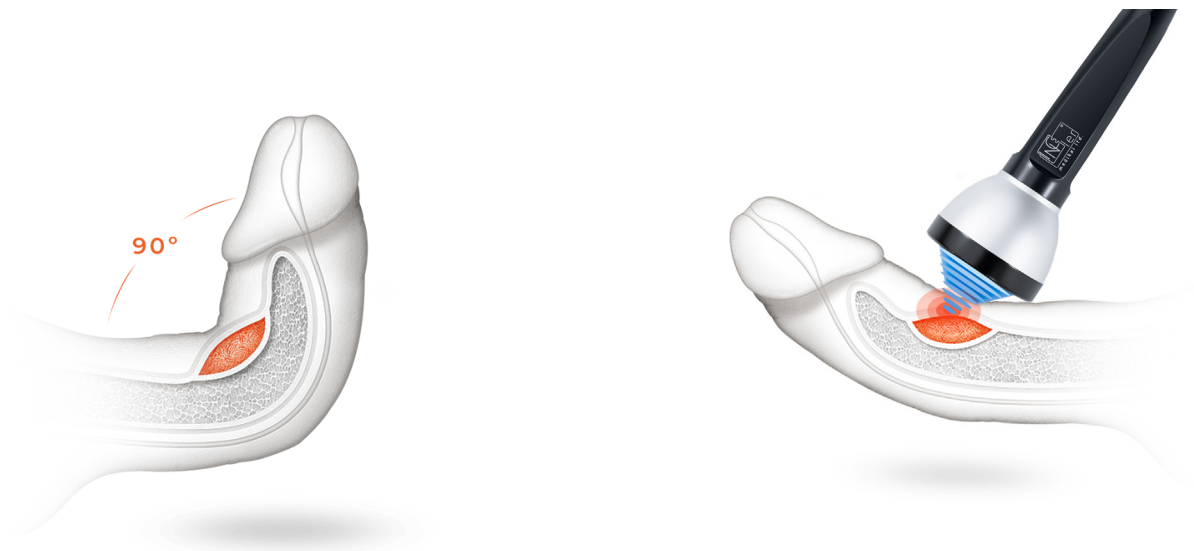
This condition causes deformity in the penis by the formation of hard plaques on the penis. Peyronie’s disease is a change in the structure of the sheath, called tunica albuginea, surrounding the penile tubes (Corpus Cavernosum) and the formation of hard plaques that cause deformities in the penis. Lesions in the penis generally occur on the upper part. This disease is most common between the ages of 40-60. Penile curvature can be congenital or occur later in life due to various reasons. The basis of the congenital Peyronie’s disease is that one of the two

spongy tissues, that make the penis erect, does not develop. Thus, the penis becomes curved toward the undeveloped side. However, non-congenital penile curvature is usually seen in individuals over the age of 50. In these cases, Peyronie’s disease occurs due to the calcification between the spongy tissue, that makes the penis harden, and the sheath surrounding this tissue. Peyronie’s disease is more common in diabetics, smokers, alcohol abusers, and those with hypertension.

# SHOCKWAVE (MODUS ED SWT) THERAPY FOR PEYRONIE’S DISEASE

In patients treated with Modus ED SWT, pain relief and improvement in erectile dysfunction were found. The applied low-intensity shockwaves activate the tissue healing mechanism. In the acute phase of Peyronie’s plaque and cause the plaque to shrink. In ad-

dition to addressing the pain and curvature in the penis, the effects of the treatment also positively impact the sexual lives of the patients suffering from Peyronie’s disease by providing quality erections.



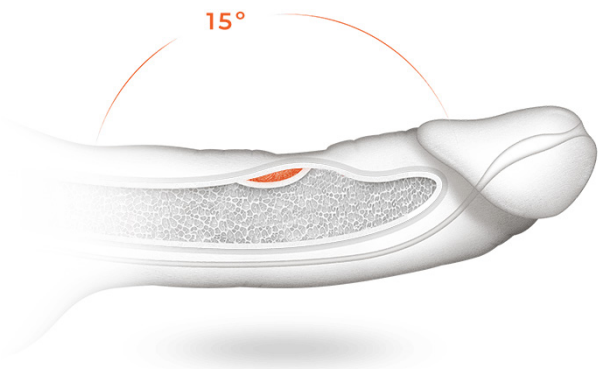
Before Peyronie’s Disease Treatment

MODUS ED SWT procedure for Peyronie.

# APPLICATION FOR PEYRONIE’S DISEASE

Modus ED SWT therapy applies low-intensity shock waves to the shaft and crus of the penis with a non-invasive method. As a result, it helps to increase blood flow to these areas of the penis which will improve Peyronie’s disease. After the procedure, pa-

tients continue their lives where they left off. Anesthesia and hospitalization are not required. The treatment is applied at least 1 or 2 sessions a week. Depending on age and size of the plaque, 6-24 sessions are required. Each session takes 30-40 minutes.



After MODUS ED SWT therapy



## WHAT IS PROSTATITIS?

The prostate, located in the lower part of the bladder and in the anterior part of the rectum, is an extremely important organ for the urinary system. Prostatitis, also known as prostate inflammation, refers to the inflammation that occurs in the prostate gland. This causes many problems for men including pain. However, prostatitis is quite simple to treat. Prostate inflammation usually occurs in more than one way. Although some types of prostatitis can be overcome without treatment, other types require treatment.

In prostate problems that require treatment, medication is provided to remove the inflammation from the body in a short time.

Prostatitis is mostly seen in men with the age between 30 and 50. However, in men over the age of 50, prostatitis shows itself as an enlarged prostate. The last stage of this problem is prostate cancer. Prostatitis is one of the main health conditions that is experienced by almost every man, depending on age.

## WHAT ARE THE TYPES OF PROSTATITIS?

Prostatitis can be seen in four main types. These four types are Chronic Prostatitis/Chronic Pelvic Pain Syndrome (CP/CPPS), Chronic Bacterial Prostatitis, Acute (Sudden) Bacterial

Prostatitis and Asymptomatic Inflammatory Prostatitis. Among these four types, chronic pelvic pain syndrome stands out the most.

## WHAT IS THE RELATION BETWEEN PROSTATITIS AND ERECTILE DYSFUNCTION?

Due to research, studies, it has been concluded that prostatitis and Erectile Dysfunction have the similar etiologic factors. Accordingly, inflammations that cause erection problems

can also lead to prostatitis. In other words, men who have prostate problems can also have erection problems. A man with chronic prostatitis can also have Erectile Dysfunction due

to the disease or medical treatments. After radical surgeries performed for prostate cancer or rectal cancer, the

erectile nerves can be damaged. As a result, serious erection problems can be seen after these procedures.

## SHOCKWAVE (MODUS ED SWT) TREATMENT FOR PROSTATITIS

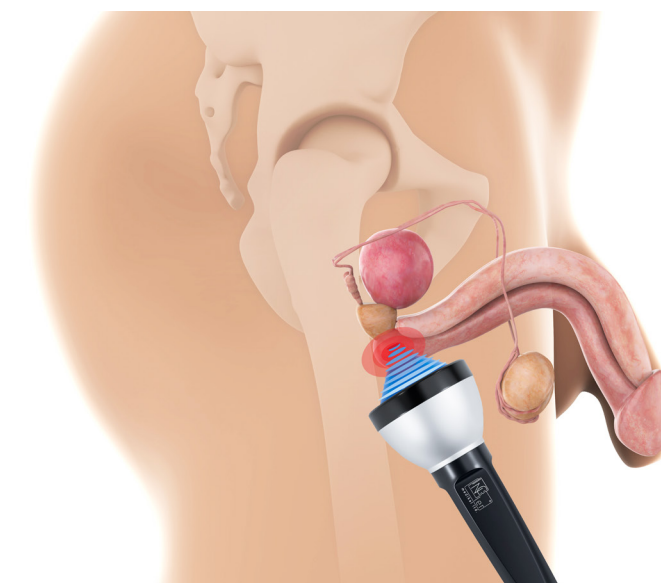
Scientific studies have shown that shockwave therapy diminishes pain and causes 80% improvement in sexual functions by providing new vein formation,

increasing the blood supply, preventing inflammation, reducing muscle contractions, and impacting nerve impulses.

## APPLICATION FOR PROSTATITIS

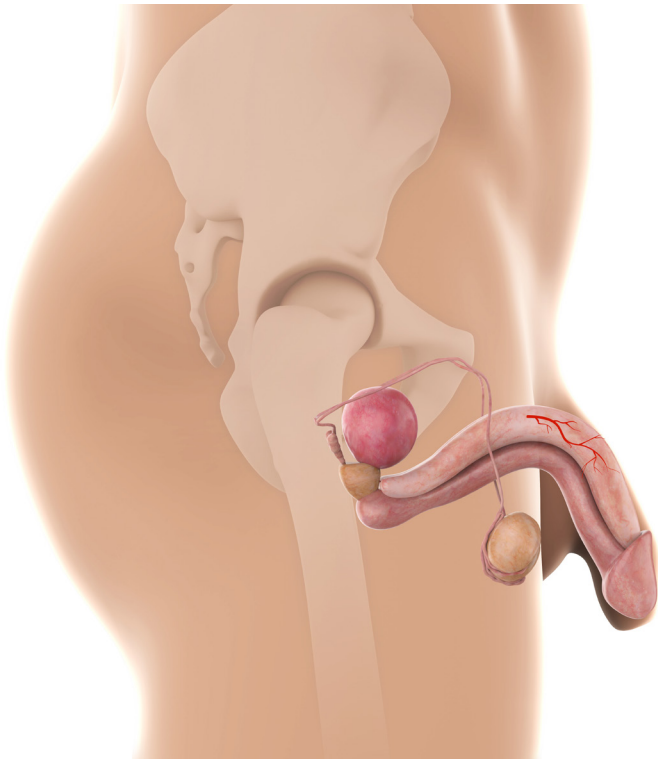
Modus ED SWT treatment is applied to the area called the perineum (between the testes and anus). Anesthesia and hospitalization are not required. At

least 6-12 sessions are applied twice a week. A session takes approximately 20 minutes.

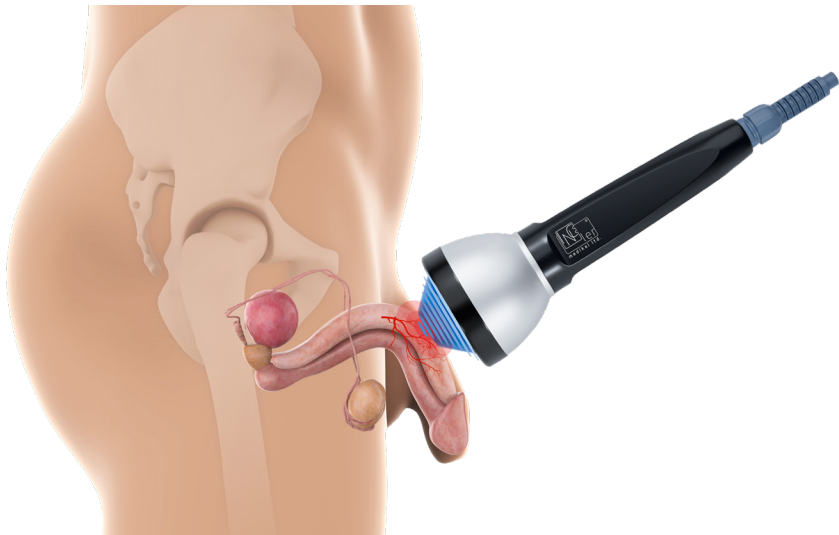


LOW-INTENSITY SHOCKWAVE THERAPY

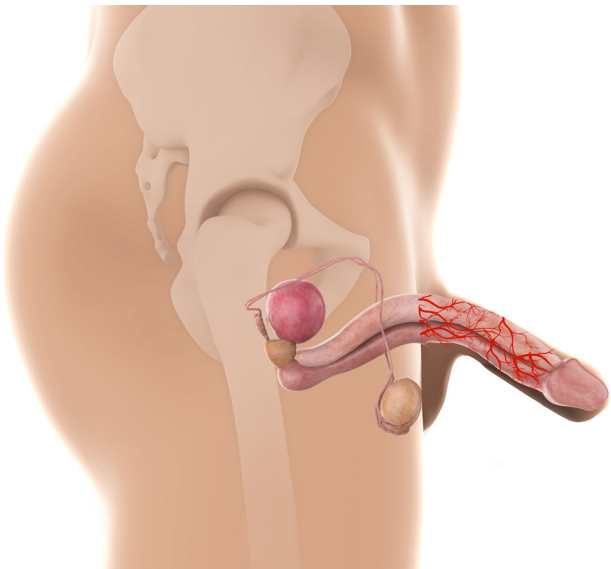
In low-intensity shockwave therapy, shockwaves are applied to an anatomical region, causing mechanical stress and micro trauma. This mechanical stress and micro trauma lead to the formation of angiogenic factors. Thus, it induces a series of biological reactions that increase blood flow and trigger the neovascularization of tissue.



LESS VESSEL/POOR BLOOD CIRCULATION (BEFORE TREATMENT)



INCREASE IN VESSEL NUMBER (DURING TREATMENT)



MORE BLOOD VESSELS/MORE BLOOD CIRCULATION (AFTER TREATMENT)

## WHAT IS VAGINISMUS?

Vaginismus is the involuntary contractions of the vaginal muscles due to the pain or inability to have sexual intercourse.

Because of subconscious fears and false sexual information, the pelvic muscles in the outer 1/3 of the vaginal canal contract involuntarily (that is, out of the person's own control) as a result of the body's "self-protection mechanism"; therefore, sexual intercourse becomes impossible.

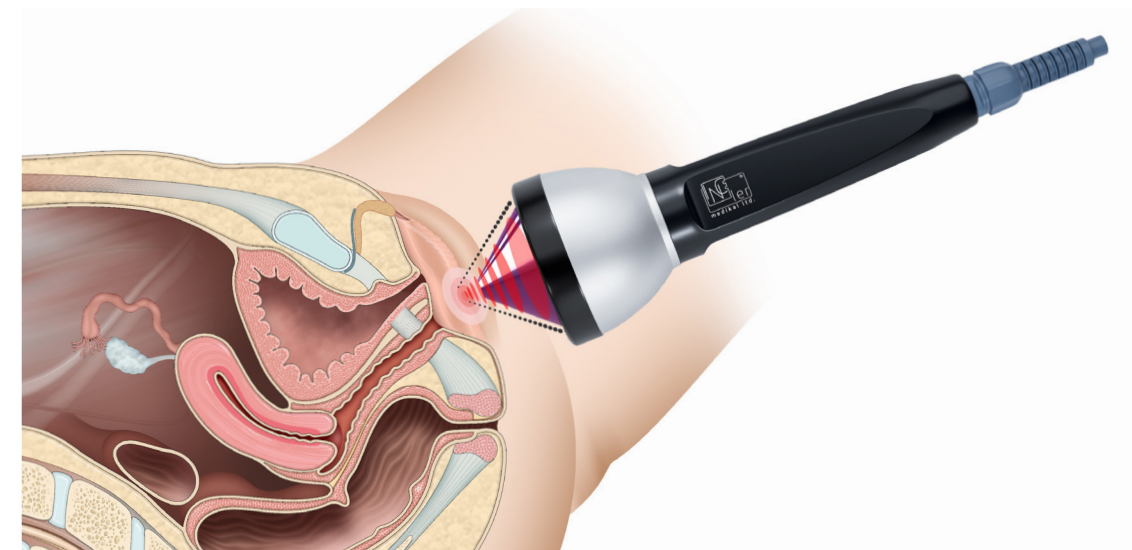
Women with vaginismus problems describe contractions not only at the vaginal entrance but also in many parts of the body such as the abdomen, waist, back, and legs. For this reason, after attempting intercourse, they may feel severe muscle pain in these areas. Which may be related to the degree of vaginismus.

## SHOCK WAVE (MODUS ED SWT) THERAPY FOR VAGINISMUS

Modus ED SWT improves the quality for life of women by treating health problems such as severe contractions and spasms in the vagina that make intercourse almost impossible, intense feeling of having to close oneself despite the desire for sexual intercourse, partial contractions even if sexual intercourse is provided, and discomfort, pain, or burning in the vagina during sexual intercourse.

Each treatment session is 20 minutes. After 6 sessions, the natural pleasure of the woman recovers.

Modus ED SWT provides permanent recovery by accelerating the formation of new vessels.



> According to research studies, up to 75% of women experience discomfort, pain and burning during sexual intercourse throughout their lives.

> Modus is an effective and fast method.

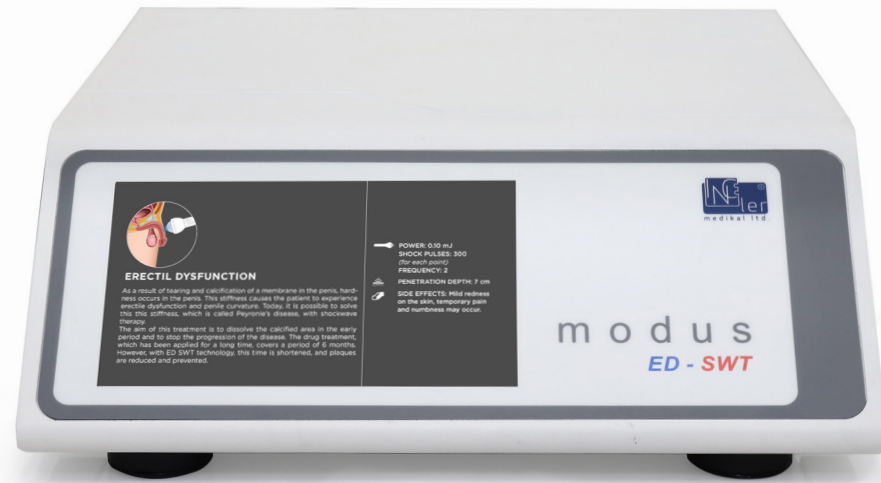
> After the treatment, the patient continues her daily life at the same day.

## ADVANTAGES OF MODUS ED SWT

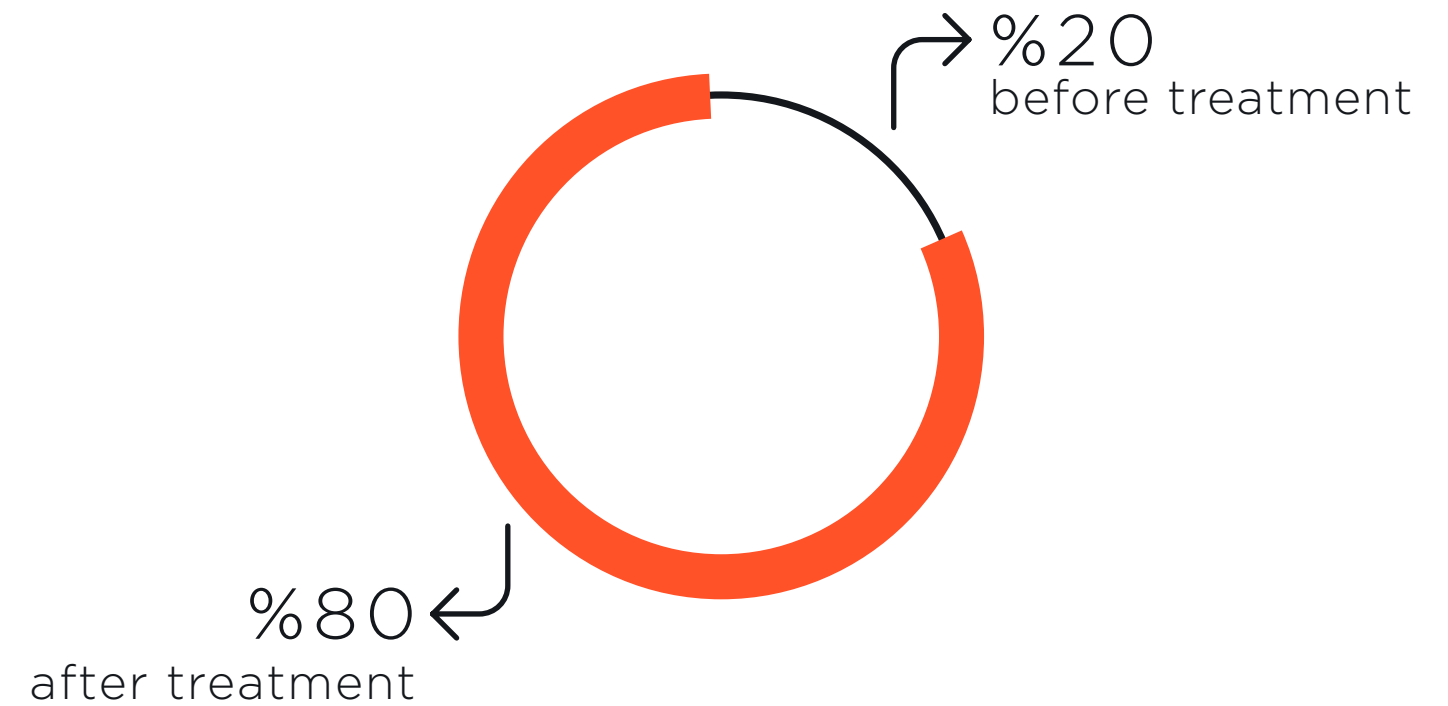
**Modus is an ideal treatment for the following symptoms;**

- > Decreased vaginal lubrication
- > Decreased sexual arousal and difficulty achieving orgasm
- > Vulvar Vestibulitis Syndrome
- > Chronic Pelvic Pain Syndrome





## AVERAGE SUCCESS RATE



## WHY MODUS ED SWT

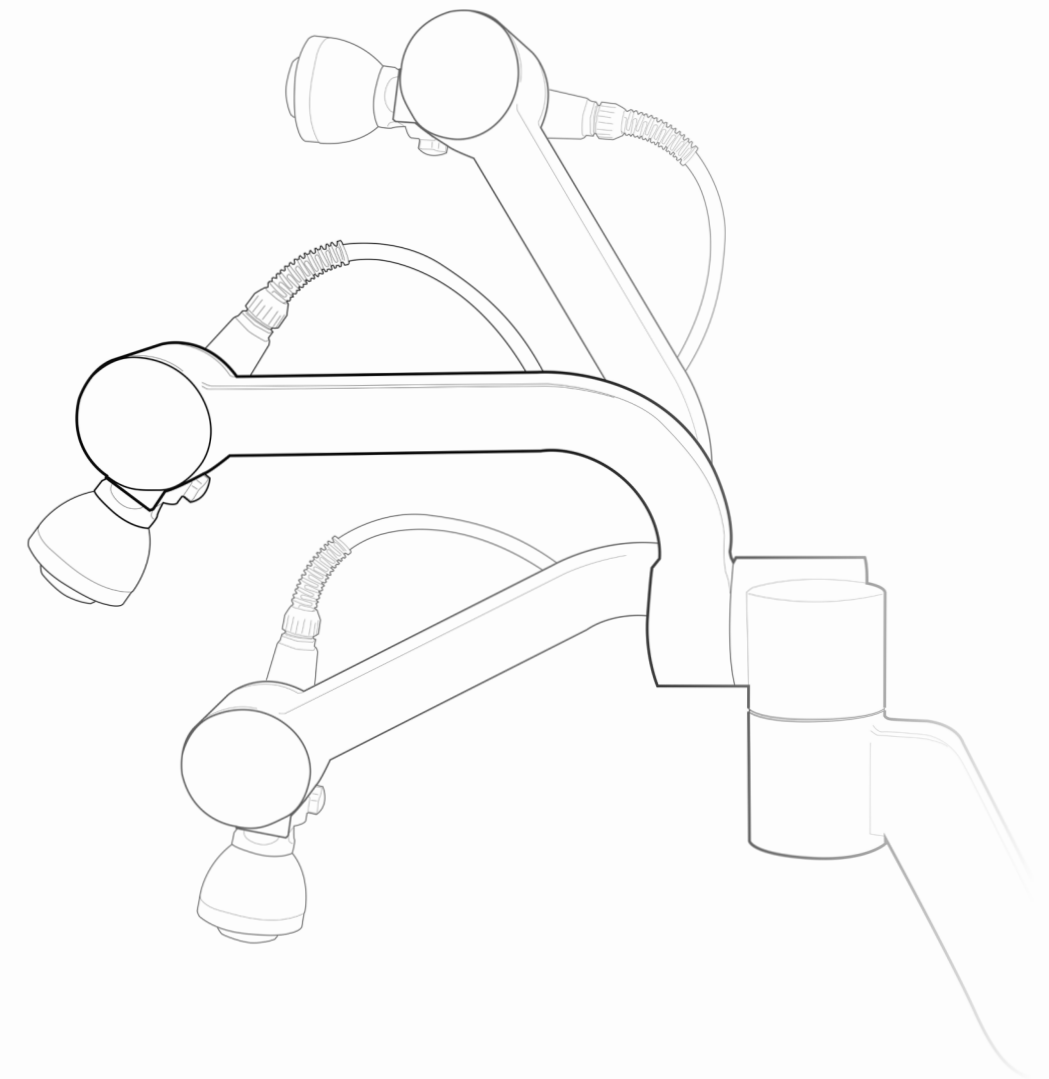
- > In the treatment with focused shock waves of Modus ED SWT, the relevant pathological factors are completely eliminated and complete recovery is observed even in patients with severe health problems.
- > Like in other treatment methods, vessel width is not increased; Instead new vessel formation is provided with Modus ED SWT. Thus, risky side effects that are more likely to be observed, especially in patients with cardiovascular disease, are avoided.
- > Since Modus ED SWT 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 ED SWT system is a specially designed device for penile applications in this procedure. The Modus ED SWT 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 ED SWT treatments give much more effective results in a short time.

## ADVANTAGES AND PERFORMANCE

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



Modus ED SWT®  
Focused Arm System  
*Arms system is an optional feature.*



## | MODUS ARM SYSTEM

An optional arm that can be added to Modus ESWT provides ease of movement to the physician. This way the physician does not have to hold the handpiece for a long time during the treatment. In addition, it also minimizes the physician's contact with the patient. The arm can be moved in

3 axes. There are two buttons on the device for the arm. With help of these buttons, the device can move up and down. Therefore, positioning can be made according to the patient and their chair. The angle of the arm can also be adjusted manually.

## > MODUS ED SWT FOCUSED SHOCK WAVE THERAPY SYSTEM

> Modus ED SWT Shock Wave System is a non-invasive treatment method based on focusing shock waves on the desired area of the body via a liquid-filled silicone cap. This method increases vascularization in the area affected and enables the body's healing mechanisms to come into play.

> Modus ED SWT provides impulses up to 4 Hz and 0.25mJ.

> The device provides ease of use with its colored touch screen technology. In addition, the parameters set during the treatment can be easily followed on the device screen and can be changed as desired during the treatment.

> Modus ED SWT device provides archive support to the user with its patient registration and follow-up menu.

>The system provides video and written support to the user with the ready-made treatment programs in its content. Different caps are available for different treatments.

> When the number of shock waves set at the beginning of the treatment with Modus ED SWT are reached, the system automatically stops and the user can intervene as desired.





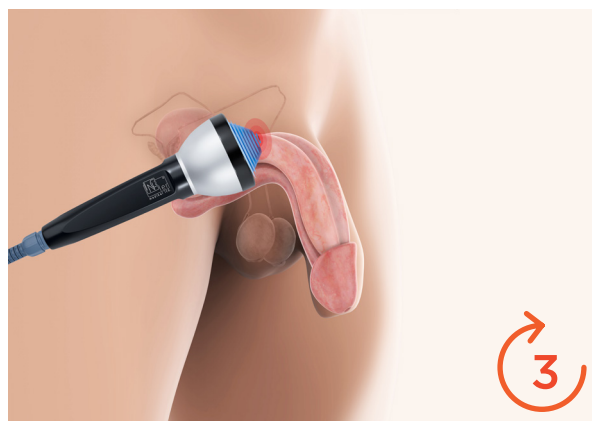
## ERECTILE DYSFUNCTION TREATMENT IN 6 STEPS



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

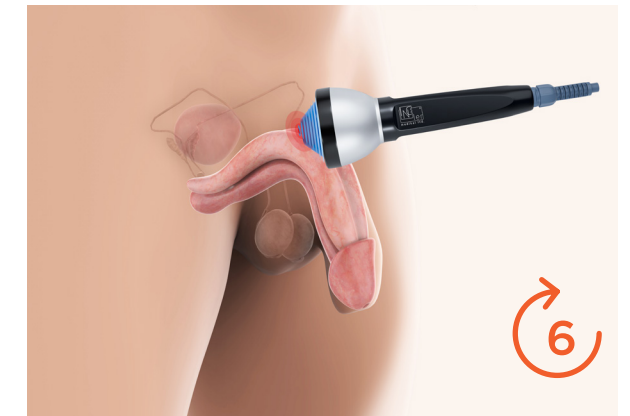
4. ON the LEFT SIDE 2 AREA, MIDDLE PENILE SHAFT (body area of the penis) APPLY SHOCK WAVES



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

## WORKING PRINCIPLE

Electrohydraulics Focused

## HANDPIECE ELECTRO-HYDRAULIC

Electrode Life: 50K-70K shock

Shock applied in each Session: 1500 shock

Patient Treatment: 6 sessions= 9K shock

1 Electrode: Approx. 6-7 patient(35-45 sessions)

## MEMORY

10-user defined Treatment Protocol

## DISPLAY

TFT Touch Screen

## DIMENSION

(W-L-H) 450mm x 350mm x 930mm

## POWER

- 1. level 0,01mJ/mm<sup>2</sup>
- 2. level 0,02mJ/mm<sup>2</sup>
- 3. level 0,03mJ/mm<sup>2</sup>
- .....
- 25. level 0,25mJ/mm<sup>2</sup>

## QUALITY AND CLASSIFICATION

700-1060 hPa  
EN ISO 13485  
According to  
EN 60601-1 Class I  
Type B IP20 MDD 93/42  
CEE Class IIb  
FDA Registered Manufacturer

## INSULATION

Internal 12 V DC  
Transformer Insulation

## OPERATING ENVIRONMENT

10 °C ≤ temperature ≤ 30 °C  
30% ≤ humidity ≤ 75%  
700 hPa ≤ atm press ≤ 1060 hPa

## PROBE HEADS

3 Units

## WEIGHT

55 kg

## POWER SUPPLY

220-240 VAC  
50/60 Hz, 50 W

## FREQUENCY

1-4 Hz

## WARRANTY

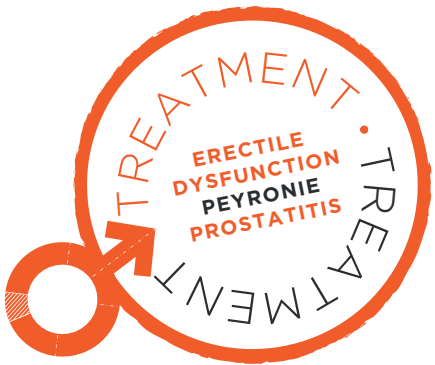
24 Months

## FUSES

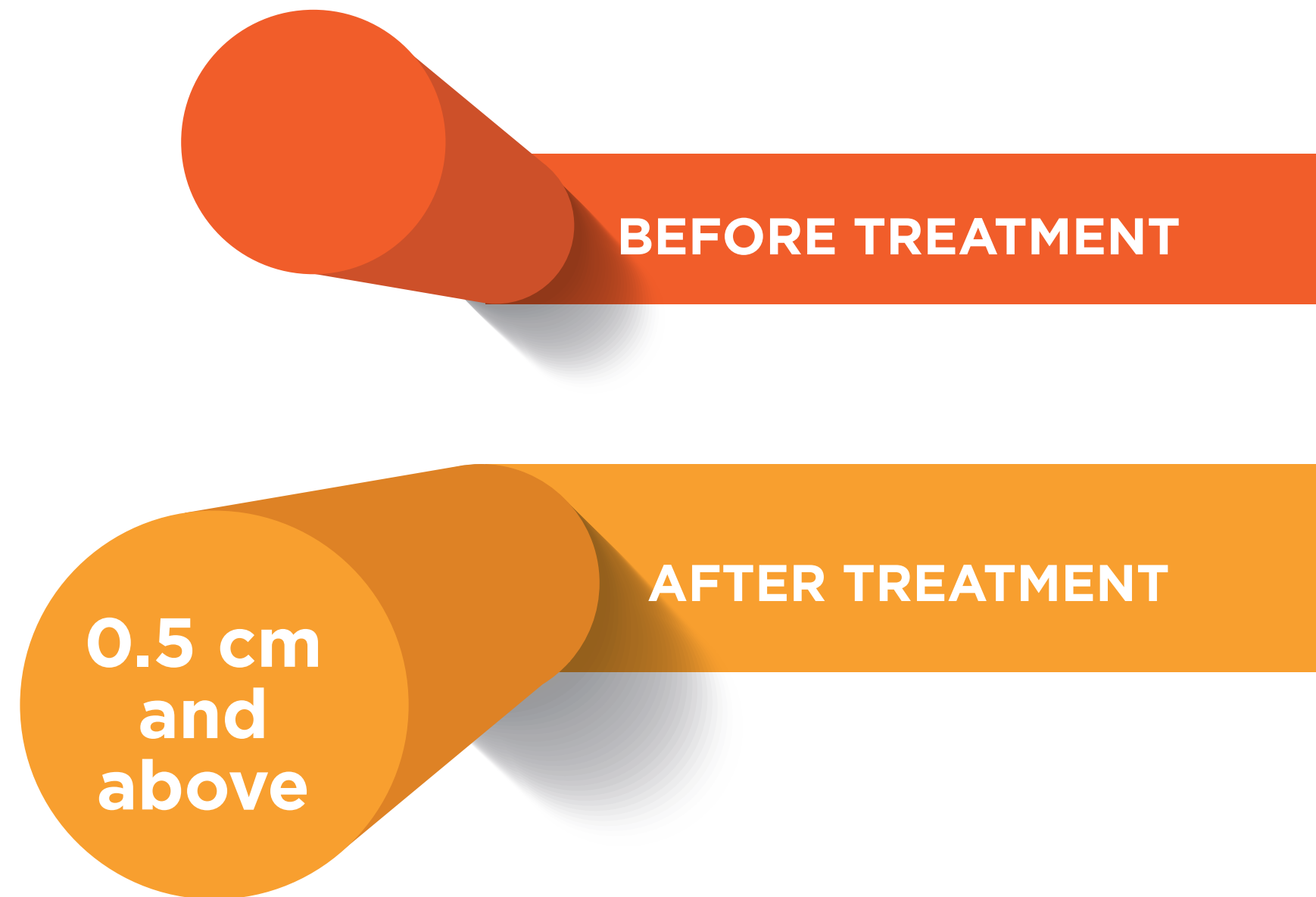
2x1A, 230 VAC

## CONDITIONS

0% ≤ humidity ≤ 95%  
500 hPa ≤ atmospheric pressure ≤ 1060 hPa

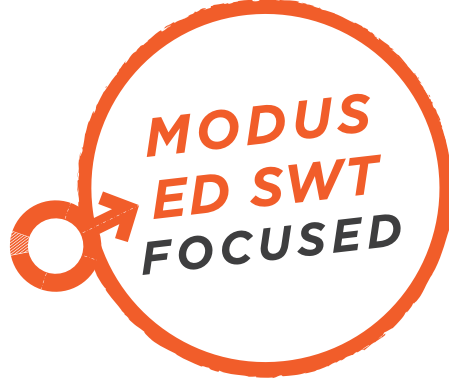


PAINLESS AND  
**DRUG**  
**FREE**  
THERAPY



AVERAGE INCREASE  
**IN PENIS SIZE**





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