

MODUS[®] BASIC ESWT

Radial Shockwave Therapy

Inceler Medikal
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[CE 1984, ISO 13485]

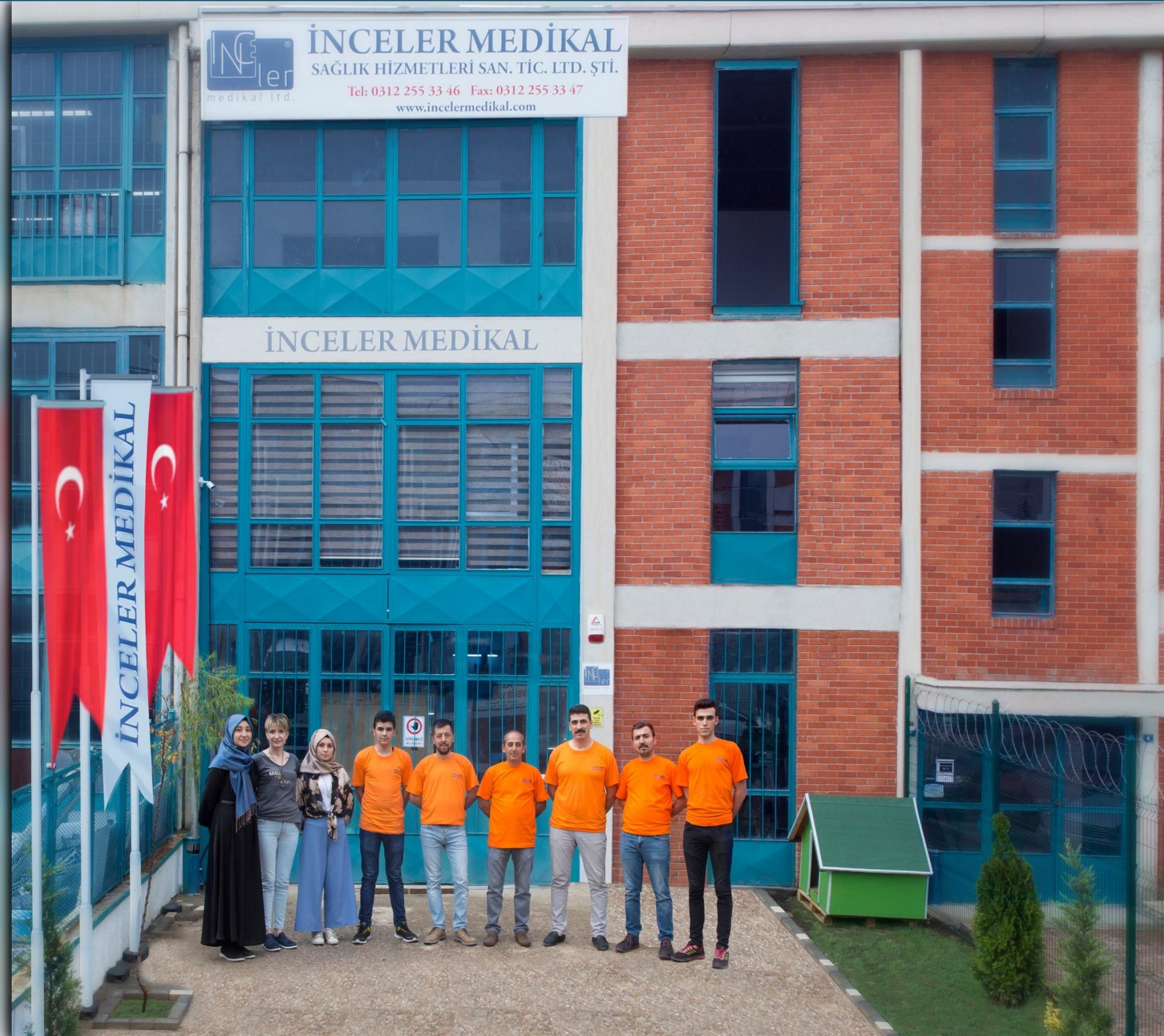


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ABOUT INCELER MEDİKAL

İnceler Medikal Ltd. Şti. was established In Ankara In 2010. It starts its activities with its experienced staff through supplying after sales services to all Medical Institutions in Turkey for ESWL-ESWT shock wave systems along with Pneumatic Lithotripsy Systems. Over time, it reached the capacity and expertise level which can produce suitable spare parts for many world famous brands. In 2012, it started to design it's own products. The first product of the Pneumatic Lithotripsy System was Lithobox, followed by Modus with extracorporeal shock waves therapy system and SPARK with extracorporeal shock wave lithotripsy system, These products took place in the market. The devices that we have produced are designed with taking in consideration the high security, advanced technology, economic and aesthetic parameters together. İnceler Medikal Ltd. has gained the trust of its customers with its experienced staff and high quality service concept. It aims to stay in the sector as an R&D company.



MODUS® BASIC ESWT

Features and Advantages

Shock wave therapy is a multipurpose treatment system used in orthopedics, physiotherapy, sports medicine, urology, aesthetics, beauty and veterinary medicine. It is an effective therapy method used to accelerate healing and eliminate the indications that cause acute or chronic pain without the need for invasive operations and drugs.

When shock waves are applied to an anatomical region, they cause 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.

After therapy, patients can continue with their daily activities. There is no side effects. No need for medication or surgical intervention in sessions.

In the tissues where shock wave applied:

- New vessel formation is ensured.
- A mechanically stronger tissue is obtained.
- Collagen synthesis increases in applied tissue.
- Increased angiogenesis and oxygenation in tissue increases tissue healing.

Shock wave therapy mainly used,

- In the removal of skin disorders such as pregnancy cellulite, cracks, varicose veins,
- In veterinary applications,
- In the therapy of orthopedic disorders in muscle, joint and bone tissue,





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Application Fields And Treatments

Modus ESWT mainly used in the treatment and applications of

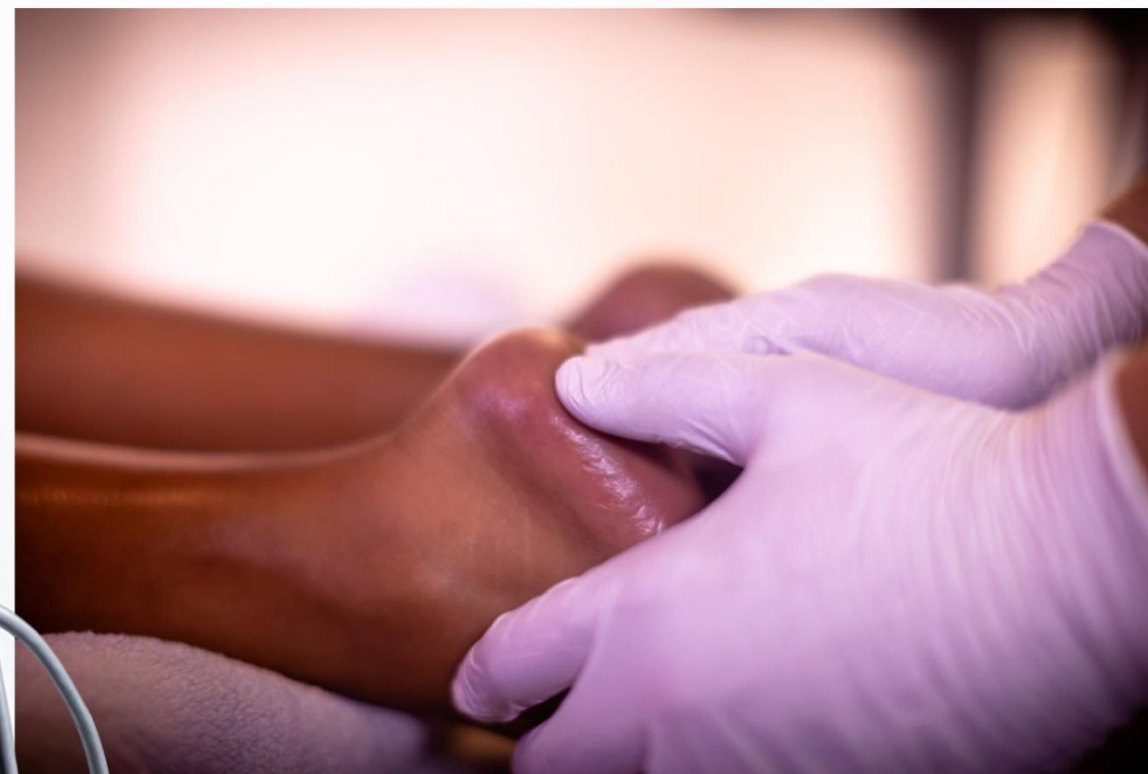
- **Orthopedic**
- **Physiotherapy**
- **Erectile Dysfunction ED Treatment**
- **Aesthetics**
- Achilles tendon pain
- Acupuncture
- Trochanteric bursitis
- Cellulite
- Rnthesopathy
- Enzymatic lipolysis
- Heel spurs
- Myofascial trigger point
- Patellar type syndrome
- Plantar fasciitis
- Pregnancy cracks
- Band friction syndrome
- Back and low back pain
- Quick recovery after liposuction
- Tennis player and golfer's elbow
- Wound and wrinkle
- Skin and connective tissue tightening
- Varicocele
- Shoulder calcification
- Runner legs



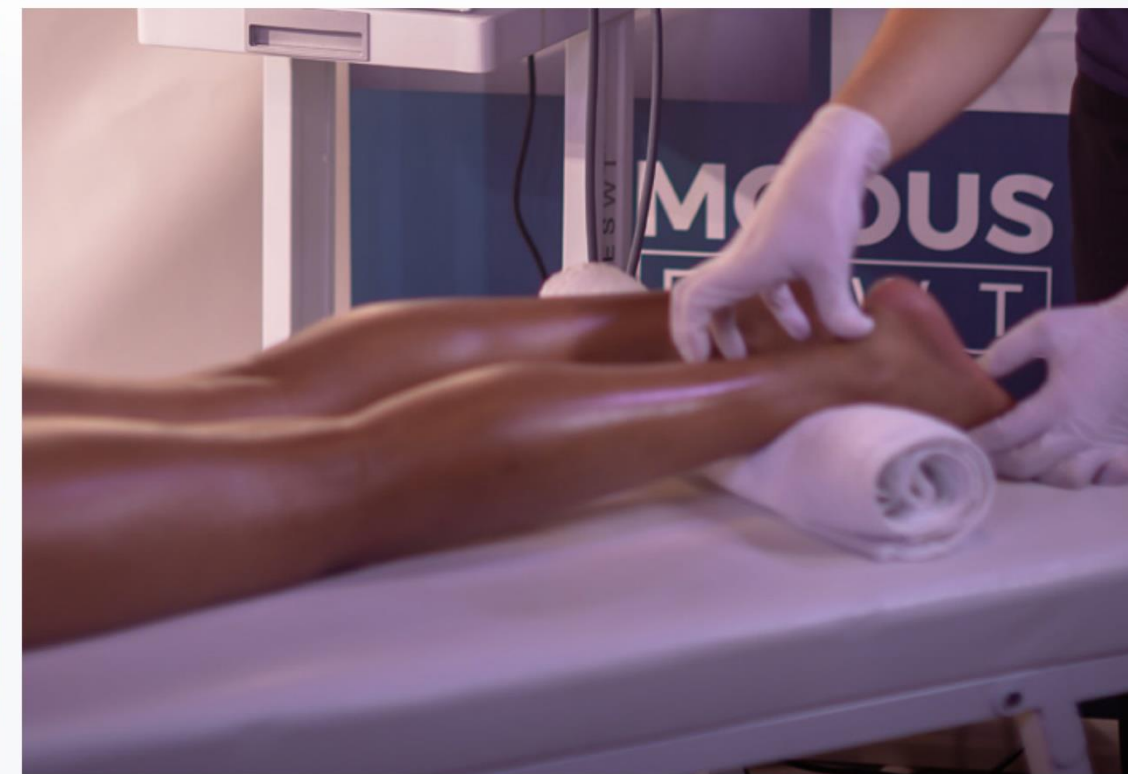
Cellulite Therapy Application



Umbilical Region Application



Plantar Foot Muscles Application



Achilles Therapy Application

MODUS® BASIC ESWT

Advantages and Successes of ED-SWT

- There are no drugs or prothesis used in the therapy. This therapy method is **completely non invasive**.
- It is not needed to be used before each sexual intercourse as in the other therapy methods.
- Patient may keep his daily life after the process.
- There's no need to use anaesthesia or sedation during or after the process.
- The curing success of ED-SWT is above %80. The success rate for the patients who are not even responding to medication is above 60%.
- The patients do not need the drug therapies they previously used after the ED-SWT therapy.
- There are not **any side effects** whatsoever.



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Various Research


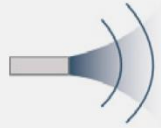

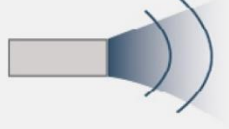

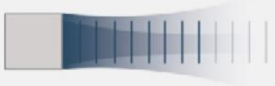



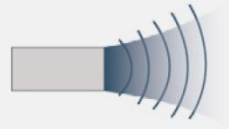

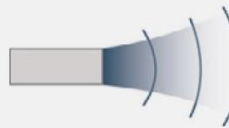

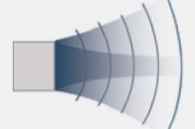

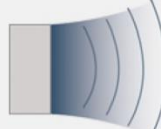
Wang and his colleagues discovered that ED-SWT stimulated the expression of the factors such as endothelial nitric oxide synthesis and vascular endothelial growing pertaining to the growing factors like angiogenesis and proliferation cell nucleus antigen. Besides they also reported that the ED-SWT caused neovascularization and **improved the blood flow thereby**. In addition to this, they observed that there was significant amount of increase in the angiogenic levels, neovascularization and cell proliferation values, and that the effects of this increase kept on for a long time.

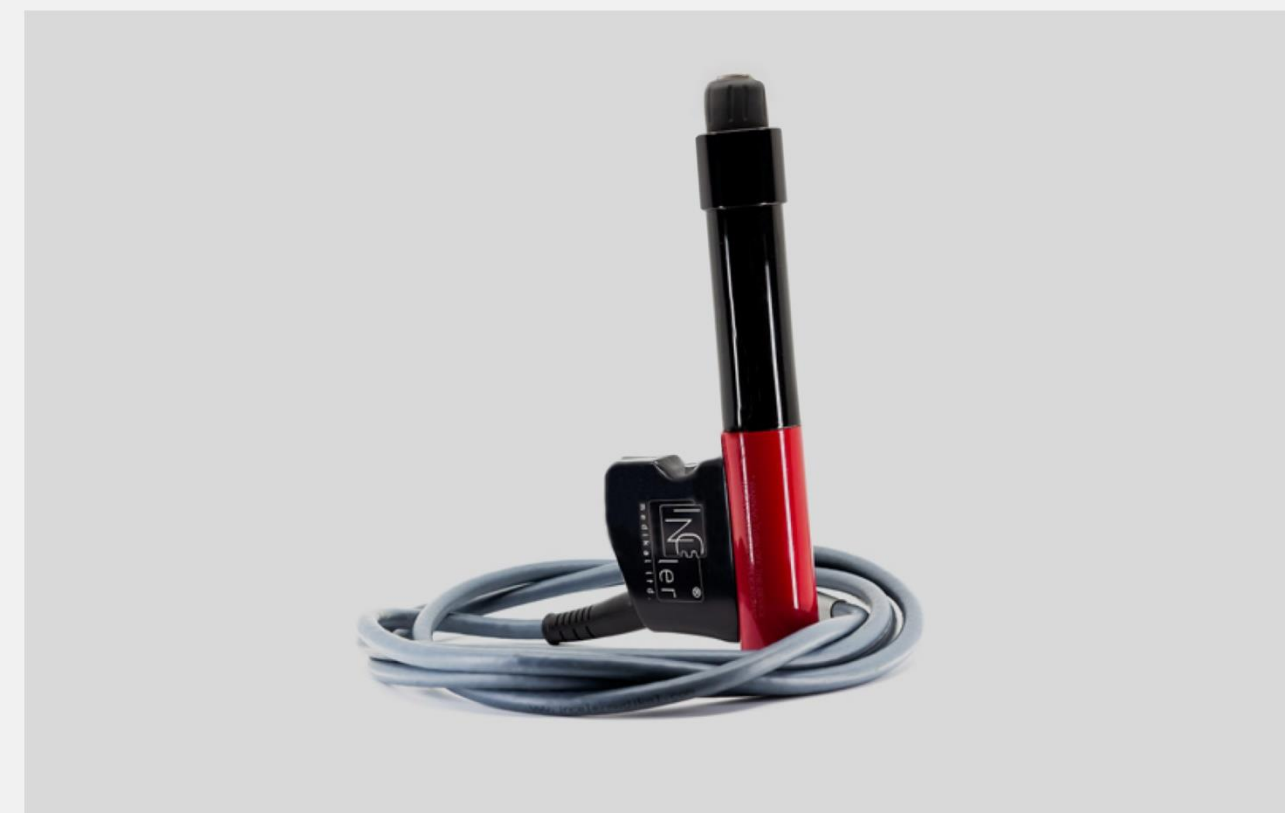
The effect of ED-SWT on vascular endothelial growing factor (VEGF) levels are also reported by Gutersohn and his friends.* They observed that the ED-SWT increased the mRNA levels in the cells in significant amounts. The research of Nishida and his friends also showed that the VEGF expression of ED-SWT regulated the schemic myocardial cells in **upward position** after the therapy.



MODUS® BASIC ESWT

Applicators

	6 mm, Radial	0 - 90 mm		Acupuncture with Shockwave Therapy
	10 mm, Radial	0 - 85 mm		Radial Shockwave Therapy, Tendinopathies
	15 mm, Trigger	0 - 80 mm		Chronicle Diseases, Deep Placed Diseases, High Energy Needs
	15 mm, Focus	0 - 70 mm		Head and Neck, Fascial Muscles, Close to Surface Pains
	15 mm, Radial	0 - 70 mm		Radial Shockwave Therapy, Tendinopathies
	20 mm, Radial	0 - 70 mm		Muscle Connective Tissue, Myofasciale Trigger Therapy, Trigger Diagnose, Skin Elasticity
	35 mm, Radial	0 - 75 mm		Muscle Connective Tissue, Myofasciale Trigger Therapy, Trigger Diagnose, Skin Elasticity
	35 mm, Radial	0 - 40 mm		Muscle Connective Tissue, Myofasciale Trigger Therapy, Trigger Diagnose, Skin Elasticity



MODUS® BASIC ESWT

Technical Information

Manufacturer

İnceler Medikal Sağlık Hiz. San. Tic. Ltd. Şti.

Model

Modus® Basic

Compressed Air Supply

1-10 bar

Average Pressure

1 to 5 bars

Frequency of use

15 Hz

Power Supply

100 - 240 VAC, 50/60 Hz, 50 W

Fuses

2 x 1 A, 230 VAC:

Display

Led LCD Display

Treatment Start / Stop

Main Unit Button, Handpiece Button and Optional Foot Pedal

Memory

3 - User defined

Insulation

Internal 12 V DC transformer insulation

Dimensions

320 mm x 120 mm x 390 mm Control Unit

Weight

5 kg

Applicators

Ø 6 mm Radial P. Depth 0-90 mm

Ø 10 mm Radial P. Depth 0-85 mm

Ø 15 mm Focus P. Depth 0-70 mm

Ø 15 mm Radial P. Depth 0-70 mm

Ø 15 mm-Trigger P. Depth 0-80 mm

Ø 20 mm Radial P. Depth 0-70 mm

Ø 35 mm Radial P. Depth 0-75 mm

Classification

Conforms to EN 60601-1 criteria.

Class 1 Applied Part BF

IP 20(Foot Pedal IPX5)

MDD 93/42 CEE Class IIb

(EMC Tests Report No. LVT, Ankara)

Custom treatment protocol selections

YES

Operating environment

10°C ≤ temperature ≤ 30°C

30% ≤ humidity ≤ 75%

700 hPa ≤atmospheric pressure ≤1060 hPa

Storage and Carriage Conditions

-10°C ≤ temperature ≤ +40°C

10% ≤ humidity ≤ 95%

500 hPa ≤atmospheric pressure ≤1060 hPa

Modus Main Unit

1 Unit

Handpiece

1 Unit

Trolley

1 Unit

Compressor

INTERNAL

Portable Carrying Bag

1 Unit

İNCELER MEDİKAL

Where **technology and efficiency**
is delivered with style.
Made in Turkey

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