MODUS RADIAL ESWT

RADIAL ESWT SHOCKWAVE THERAPY

İNCELER

Modus Radial ESWT
with Touch screen and
Built-in compressor

MODUS RADIAL ESWT
SHOCKWAVE THERAPY

EXTRACORPOREAL SHOCK WAVE THERAPY

Extracorporeal shock wave therapy is a frequently preferred method in the fields of veterinary medicine, neurology, sports medicine and aesthetics, especially orthopedics and physical therapy. This system increases vascularization, collagen synthesis and oxygenation in the tissues around of applied area. Thus, a faster tissue healing occurs and a mechanically stronger tissue is obtained.

This is a non-invasive device, so it provides desired treatment without the need for an surgical operation.

Modus Radial
ESWT Handpiece

MODUS RADIAL ESWT
HANDPIECE FEATURES

Enhance your treatment efficiency with the **Modus Radial ESWT** handpiece. While its powerful and ergonomic design ensures comfort during prolonged use, the advanced technology provides an effective treatment solution.

Advantages for the User

> One-button on/off functionality
> Suspension system to reduce vibrations caused by projectile movement
> Variety of applicator heads based on treatment area
> Easy maintenance and revision kit replacement
> Lightweight and ergonomic design that minimizes hand fatigue

High Energy Output

Effective treatment with impulse power up to 5 bar and frequency up to 22 Hz

Penetration Depth up to 40 mm

Yüzeysel ve orta derinlikteki dokulara ulaşarak etkin ve hızlı tedavi sağlar.

Fast and Effective Treatments

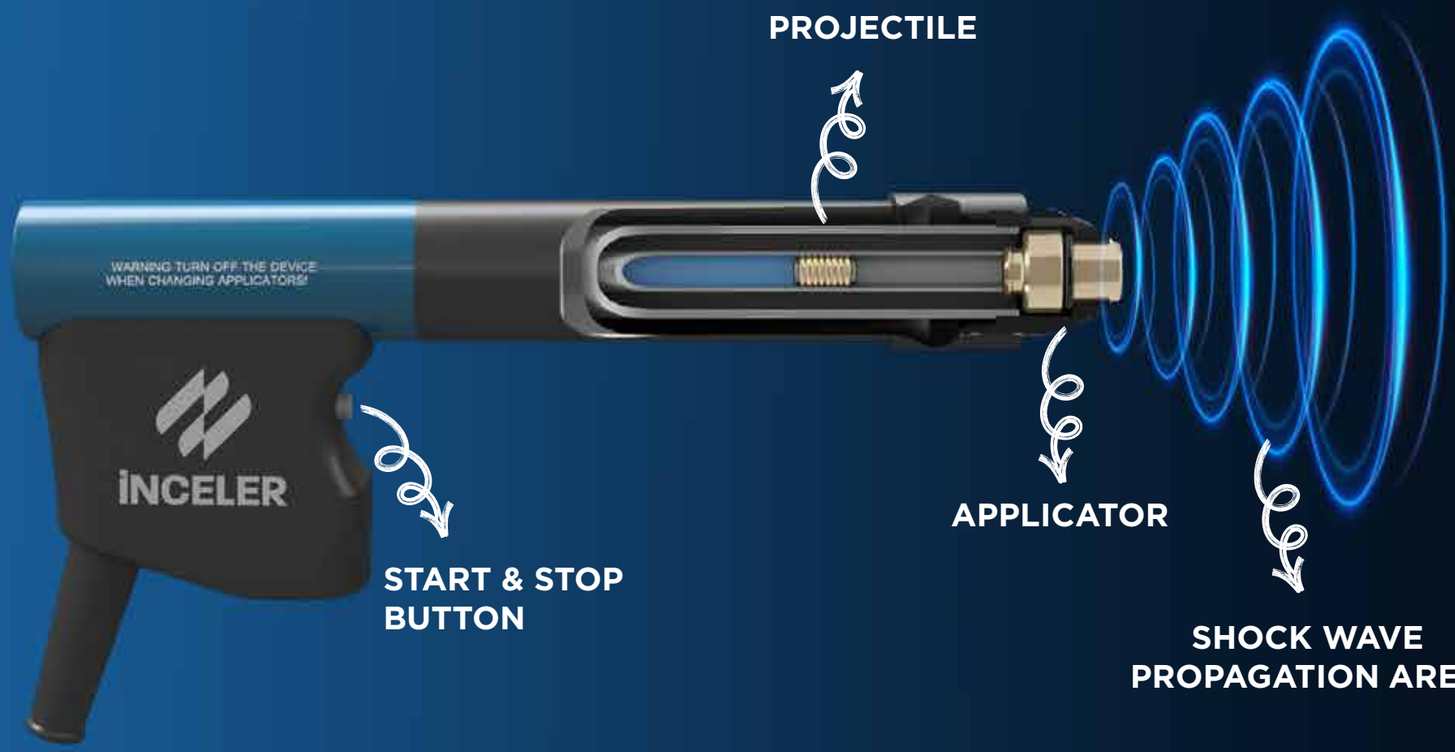
Practical use with quick sessions even over wide areas

MODUS RADIAL ESWT
SHOCKWAVE THERAPY

Ergonomic, Powerful, and Effective Radial Therapy

Modus Radial ESWT provides effective treatment for superficial and medium-depth tissues with penetration up to 40 mm. It delivers powerful energy over wide areas, accelerating healing in muscle and connective tissues and offering a comfortable and effective treatment experience.

MODUS RADIAL ESWT
SHOCKWAVE THERAPY



3,000,000 SHOCK PULSE CAPACITY RADIAL HANDPIECE DESIGN

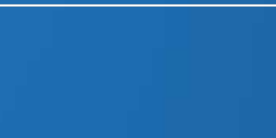
3,000,000 SHOCK PULSE GUARANTEE

Applies effective rhythms to the selected anatomical area to accelerate the treatment process. With its powerful design that ensures easy and safe use, it provides long-lasting performance. With a **shock pulse capacity of 3,000,000,** the device offers long-term reliability and durability suitable for intensive use.

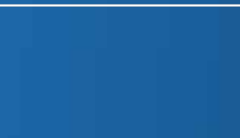
“ MODUS RADIAL ESWT HANDPIECE IS COMPATIBLE WITH OTHER BRAND ESWT DEVICES ”

RADIAL APPLICATOR OPTIONS OFFERING WIDE RANGE OF USE

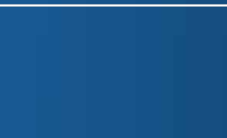
With a broad range of applicators suitable for various treatments, the system delivers pulses at frequencies up to 22 Hz. These pulses are transmitted into the body via the applicator, achieving **penetration depths of up to 30–40 mm** in the tissue it contacts.



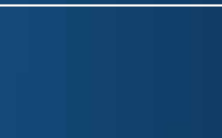
APPLICATOR: Ø6 mm Radial
USE: Acupuncture Shock Wave Therapy



APPLICATOR: Ø10 mm Radial
USE: Tendinopathies

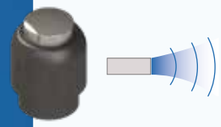


APPLICATOR: Ø15 mm Radial
USE: Tendinopathies

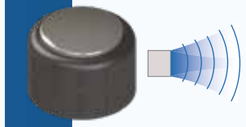


APPLICATOR: Ø15 mm Trigger
USE: Chronic Conditions, Deep-Seated Disorders, High Energy Requirements

APPLICATOR: Ø15 mm Focus
USE: Head and Neck, Fascial Muscles, Superficial Pain Areas



APPLICATOR: Ø20 mm Radial
USE: Muscular Connective Tissue, Myofascial Trigger Point Therapy, Trigger Diagnosis, Skin Elasticity



APPLICATOR: Ø35 mm Radial
USE: Muscular Connective Tissue, Myofascial Trigger Point Therapy, Trigger Diagnosis, Skin Elasticity

APPLICATOR: Ø35 mm Radial/Soft
USE: Muscular Connective Tissue, Myofascial Trigger Point Therapy, Trigger Diagnosis, Skin Elasticity

MODUS RADIAL ESWT
SHOCKWAVE THERAPY

RADIAL SOFT APPLICATOR FOR PAINFUL AND SENSITIVE AREAS

The soft applicator, designed for the Radial ESWT device, ensures that shock waves applied to painful areas are delivered more efficiently and gently.

Comfortable and Targeted Treatment with Soft Applicator Technology

MODUS RADIAL ESWT
SHOCKWAVE THERAPY

MODUS RADIAL ESWT HIGH FREQUENCY SHOCKWAVE THERAPY SYSTEM

1

> Modus Radial Extracorporeal Shock Wave Therapy Device provides the opportunity to apply in a short time period with its high pressure and high energy, so the number of treatment sessions is decreased and visible success is achieved.
> It is the most powerful Radial Shockwave Therapy device on the market.
> Provides impulses up to 22 Hz and 5 bar.
> It is highly beneficial with its lightness and portability.
> Modus Radial ESWT is light weight and easy to carry with trolley. It can also be detached easily from its stand when desired.

2

> The device provides ease of use with its color and 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 Radial ESWT Device provides archive support to the user with its patient record and follow-up menu.
> The system offers visual and written explanation support to the user with ready-made treatment programs on its treatment parameters page. Applicator selection can be made to suit each treatment.
> The Modus Radial ESWT Device can be controlled via the touch screen and handpiece button. When the target shock count reaches max, the system automatically stops and the user can intervene in the device as they wish.

3

> Modus Radial ESWT revision kit has 3.000.000 shot capacity.
> Modus Radial ESWT with up to 5 bar output pressure is possible.
> Modus Radial ESWT applicators can be cleaned with an antibacterial solution containing 70% alcohol.

EPIN CALCANEI

A heel spur is a bone-like calcium deposit that forms between the heel bone and the arch of the foot. It often starts in the front of the heel and then affects other parts of the foot. It is often the result of prolonged tension in muscle and connective tissue. Repetitive stress from walking, running or jumping on hard surfaces is a common cause of heel spurs. Inflammation symptoms such as pain, swelling, temperature increase are seen in the anterior part of the heel. With ESWT treatment, pain relief is provided by eliminating the symptoms of pain and increasing the load capacity.

PLANTAR FASCIITIS

Plantar fasciitis is a painful foot disease that occurs as a result of inflammation of the sole and heel of the foot due to excessive stretching or use of the connective tissue called plantar fascia. Repetitive stress on the plantar fascia can cause mild ligament tears, which can cause discomfort, swelling and make walking difficult. It is one of the most common causes of heel pain, it can usually affect middle-aged women, men, people who stand up frequently or those who play sports. It is seen with swelling of the thick tissue that connects the sole of the foot to the toes. Plantar fasciitis often causes sharp pain with first steps in the morning. As the person moves, the pain usually subsides, but may return when standing or sitting for a long time and then getting up. In soft tissue sessions of ESWT treatment, the application time is approximately 5-20 minutes and 3-4 sessions are performed.

TIBIAL STRESS SYNDROME

Runner's leg syndrome or "medial tibial stress syndrome" is a condition of severe and throbbing pain seen on the inner surface of the shinbone in people who do extreme sports or are new to sports related to exercise. Slight swelling in the leg and pain occur when pressing the bone with a finger. It is often seen after excessive running. With ESWT Shock wave therapy, shock waves are given to the body so that the body's natural healing process is stimulated and pain is reduced.

ACHILLODYNIA

Achillodynia is a term used to describe a variety of severe Achilles tendon problems. Affected individuals experience pain in the tendons that run through the heel bone and calf muscles, and their ability to move the affected limb is limited. In mild cases, Achillodynia naturally goes away within a few days. Achilles tendon pain if it persists for a long time is considered a sign of overstretching. Therefore, Achillodynia is a common diagnosis among athletes and is considered an injury. Degenerative changes caused by inappropriate mechanical stress or prolonged excessive stretching can affect Achillodynia. As the structure of the tendon changes, its blood and oxygen supply may also be affected, which can affect the healing process. Tendons gain mobility faster, more successfully and permanently than desired with Modus shock wave therapy.

CALCIFIED TENDINITIS

Calcific tendinitis is described as one of the most common causes of shoulder pain. Tendonitis is the inflammation and irritation of the fibrous tissues called tendons that attach the muscles to the bones. It can occur in any tendon in the body, and calcium deposits form. This condition causes pain in the affected area. It is frequently seen in the shoulder, knee, wrist, elbow and ankle. Calcific tendinitis manifests itself with severe pain in the shoulder region. These pains occur especially in the evening and at night and can also limit mobility. Prolonged pain and inactivity can cause muscle weakness and weakness. With ESWT treatment, the release of pain-reducing substances is increased by changing the biochemistry of the environment.

MYOFASCIAL EXAMINATION POINTS

Myofascial Trigger Points (MTP) are painful and tender knots that form in muscle fibers, causing muscle stiffness, tension and restricted movement. They often occur after poor posture, overuse or trauma. ESWT reduces muscle spasm, increases circulation and promotes muscle relaxation by acting directly on these points. Its noninvasive nature reduces pain and improves muscle function.

FIBROMYALGIA

This condition is a disease associated with the musculoskeletal system. Widespread pain, stiffness and tension in the muscles are common. There is tenderness in the areas where pain and stiffness are felt. It is a rheumatologic disease and is most common in women. This syndrome manifests itself with symptoms such as fatigue, muscle pain, sleep disorders, anxiety disorders and loss of function. It is also called soft tissue rheumatism. There is no surgical treatment.

GOLFER'S ELBOW/TENNIS ELBOW

Radial and ulnar humeral epicondylitis are two common muscle-tendon conditions that cause pain and inflammation in the elbow. Lateral epicondylitis (tennis elbow) occurs on the outside of the elbow, while medial epicondylitis (golfer's elbow) occurs on the inside. Both conditions are associated with overuse and repetitive use of the forearm muscles and tendons. Symptoms can include pain and tenderness around the elbow and decreased grip strength. Daily activities, especially wrist movements and grip functions, become challenging for patients. ESWT (Extracorporeal Shock Wave Therapy) is used in these cases to reduce pain, increase blood flow and promote the healing process.

PATELLAR TENDON

The patellar tendon connects the lower pole of the tibia patella. The main clinical appearance is pain in the lower pole of the patella. Patellar tendinopathy (PT) occurs with chronic wear of the patellar tendon. For individuals who are physically active, Patellar Syndrome can be a condition that can limit their participation in their sports or activities. The pain and discomfort associated with the conditions can be intermittent or continuous and can significantly affect a person's quality of life. Besides these factors, there are several other risk factors that can contribute to the development of Patellar Syndrome. These factors include poor flexibility or range of motion in the hip or ankle, a sudden increase in activity, poor biomechanics or movement patterns, and bad shoes or equipment. Radial Extracorporeal Shock Wave Therapy is a non-invasive treatment option that has been shown to be effective in the treatment of patellar syndrome. During the procedure, high-energy shock waves are delivered to the affected area, which can stimulate the body's natural healing process and reduce pain and inflammation.

TRIGGERS POINT

Trigger point, also known as trigger point: An area of painful muscle where the normal functional relationship of the muscle fibrils is disrupted and the tenderness has a localized distribution character. Trigger points affect the muscle by making it weak and tense. They cause strong contractions in the muscle group they are located in. They especially cause shoulder, arm and lower back pain. Muscles that are in constant contraction also put pressure on the bones, causing these symptoms to occur in neighboring joints and disrupting the blood circulation of the neighboring area. With the deterioration of circulation, oxygen and nutrients required for metabolism decrease, and metabolic wastes begin to accumulate, leading to the onset of pain.

TROCHANTERIC BURSITIS

Trochanteric Bursitis is a painful condition caused by inflammation of the bursa located on the outside of the hip. Bursae are fluid-filled sacs that reduce friction and provide cushioning in the joints. Inflammation of this bursa, especially near the bony prominence called the trochanter, can develop as a result of repetitive activities such as running, climbing stairs, cycling or direct trauma. Patients usually experience pain, tenderness, swelling on the side of the hip and discomfort when lying on the affected side. Even walking or simple daily activities can become difficult. ESWT helps to reduce inflammation, increase blood flow and speed healing by providing mechanical stimulation to the tissue in trochanteric bursitis. It stands out as an effective method for reducing pain and increasing mobility. The fact that surgery is not required and there is no risk of infection makes the treatment more advantageous.

CARPAL TUNNEL SYNDROME

Carpal tunnel syndrome is a condition that causes numbness, tingling and pain in the hand and forearm. This condition occurs when the median nerve, one of the main nerves in the hand, is compressed as it passes through the wrist. The median nerve is located in the canal in question, together with the tendons that allow the fingers to move. The median nerve controls sensation in the fingers and the movement of certain muscle groups. Carpal tunnel syndrome occurs when the nerve is compressed in the canal. ESWT treatment is a preferred method to prevent compression of the nerves in the region and to relieve numbness, tingling and pain.

TECHNICAL SPECIFICATIONS

MANUFACTURER	INCELER MEDIKAL SAĞLIK HIZ. SAN. TIC. LTD. ŞTI.
MODEL	Modus Radial ESWT
QUALITY AND CLASSIFICATION	According to EN 60601-1 Class I Type B
	According to EN 93/42 MDD Class IIb
	IEC 60601-1
	IEC 60601-1-2
USER MODE	Auto (Ramp-up), Continuous, Burst, Single
COMPRESSED AIR SUPPLY	Internal/Portable Compressor
AVERAGE PRESSURE	1 - 5 bars
FREQUENCY RANGE	1 - 22 Hz
VOLTAGE & FREQUENCY	200-220 ±% 10 VAC, 50/60 Hz
EXIT PRESSURE	1 - 5 bars
DISPLAY	Touch Screen
TREATMENT START/STOP SETTINGS	Touch Screen and Handpiece Button
PARAMETER STORAGE MEMORY	3 Programmable Memory Keys (S1, S2, S3)
TREATMENT PROTOCOL	20-30 Units
USER PASSWORD	Yes
HANDPIECE	Suspension System, 3 Million Shock Pulses
APPLICATORS	Ø 6 mm Radial
	Ø 10 mm Radial
	Ø 15 mm Radial
	Ø 15 mm Trigger
	Ø 15 mm Focus
	Ø 20 mm Radial
	Ø 35 mm Radial
	Ø 36 mm Radial (optional)
	Ø 35mm Radial Soft
WEIGHT	12 kg
DIMENSIONS(H X W X W) (MM)	125 mm x 390 mm x 316 mm
SPECIAL TREATMENT PARAMETER SELECTION AND PROTOCOL SELECTIONS	YES
OPERATING ENVIRONMENT	10° C ≤ Temperature ≤ 40° C
	30% Rh ≤ Humidity ≤ 80% Rh
STORAGE ENVIRONMENT	-10° C ≤ Temperature ≤ 50° C
	20% Rh ≤ Humidity ≤ 90% Rh

PAIN TREATMENT IN 4 STEPS

1. EXAMINATION
Locate the painful area.

2. MARK
Mark the painful area.

3. APPLY GEL
Apply the gel to the tissue to contact shock waves.

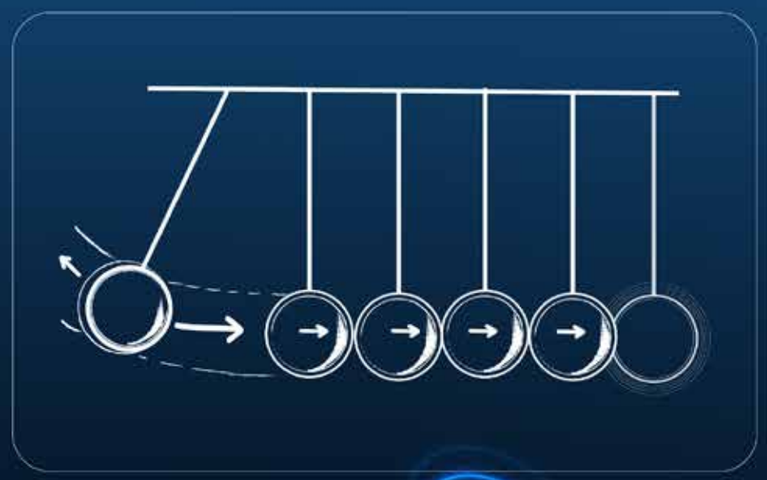
4. APPLY SHOCK WAVE
Apply the shock wave firmly to the painful area on the skin.

RADIAL ESWT

> RADIAL SHOCK WAVE TECHNOLOGY BASED ON NEWTON'S LAW

Modus Radial ESWT device bases its working principle on the Law of Action-Reaction put forth by physicist Sir Isaac Newton in 1687. This law forms the foundation of the mechanism behind the formation of radial pressure waves.

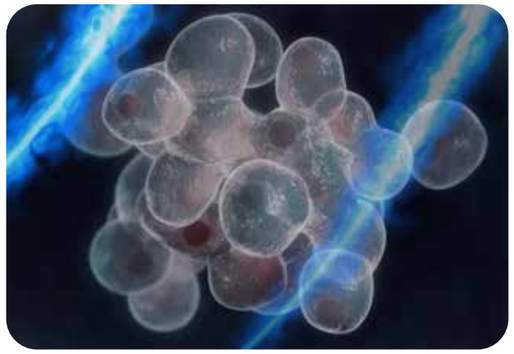
Inside the device, a projectile accelerated by compressed air strikes a metal transmitter head. The mechanical energy resulting from this impact transforms into acoustic pressure waves when applied to the skin. These waves spread to the target tissues, creating a biological stimulus and activating natural healing processes. This technology, based on a physical principle, offers a reliable and effective alternative for the treatment of musculoskeletal disorders due to its non-invasive nature and proven effectiveness.



> RADIAL SHOCK WAVES THAT PROVIDE STRONG STIMULATION EFFECT

Radial shock waves create mechanical stimulation in the target tissue, initiating a pain-relieving and regenerative process in the body. These waves spread across a wide surface area of the tissue, stimulate cells, and activate the body's natural healing mechanisms.

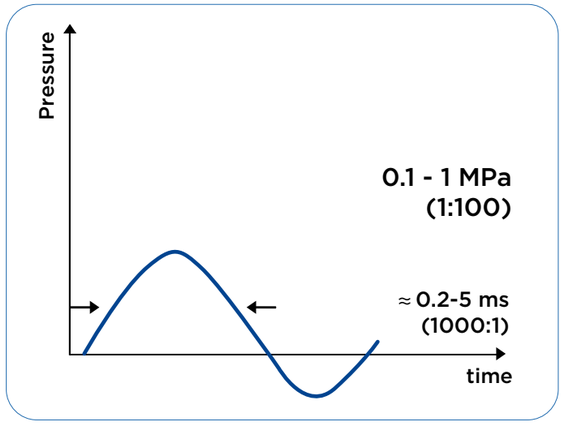
High-frequency and rhythmic pulses can be effectively used, especially in musculoskeletal system problems.



> PRESSURE CHARACTERISTICS OF RADIAL SHOCK WAVES

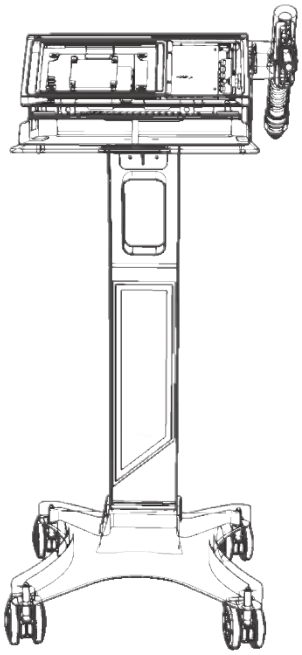
Pressure profile: Radial shock waves have a low-pressure (0.1–1 MPa) and long-duration (0.2–5 ms) effect profile.

Effect pattern: The waves rise gently, spread over a broad area, and provide therapeutic effects in superficial tissues. This structure offers both effective and comfortable application in muscle and tendon treatments.



Orthopedics

MODUS RADIAL



Technology For Health

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