



**Portable Model**

*High Frequency Radial Shock Wave Treatment System*

*CE 1984-ISO 13485*



# modus *ESWT*

*THE MOST WELL-KNOWN TURKISH PRODUCT  
IN EUROPE AMONG MEDICAL EQUIPMENTS!*

## *Features*

- User friendly touch screen*
- Treatment parameters can be accessed easily and can be changed instantly while operating.*
- Ready to Use treatment packages offers visual and written treatment explanations.*
- Modus Eswt can be controlled over system screen, handpiece and foot pedal. When system reaches the designated number of shots, it stops automatically or can be stopped at any preferred moment by the operator.*
- It has a variety of transmitters designed for specific treatments.*

- Hand piece has the capacity of 300000 shots before any maintenance required.
- Modus ESwt is portable. it can also be separated from its specifically designed trolley.
- Modus ESwt provides patient archive through its patient follow-up menu.
- Its software can be easily updated.
- The pressure transmitted to the tissue is 5 bars
- The device has Usb/LAN connections
- Modus applicators can be sterilized with medical sterilization techniques. Even resistant to Ethylene Oxide and other medical sterilization chemicals.

### **Shock Wave Applied Tissues:**

- Increase in blood vessel formation is observed.
- Reduces stickiness.
- Promotes mechanically stronger tissues.
- Increase in collagen synthesis is observed.
- Increases angiogenesis.
- Oxygenates the tissues for faster recovery.



## WHAT DO YOU TREAT WITH RADIAL SHOCK WAVES?

- *Achillodynia*
- *Plantar fasciitis*
- *Myofascial trigger points*
- *Calcified tendonitis of the shoulder*
- *Radial and ulnar humeral epicondylitis*
- *Patellar tendonitis*
- *Other disorders of tendon insertions*
- *Activation of muscle and connective tissue*
- *Acupuncture shock wave therapy*



### ● **Plantar fasciitis/ Heel Spur**

A heel spur is a calcium deposit causing a bony protrusion on the underside of the heel bone. Plantar fasciitis, a painful inflammation of the fibrous band of connective tissue (plantar fascia) that runs along the bottom of the foot and connects the heel bone to the ball of the foot. In both cases shockwave treatment reduces the symptoms dramatically.

Probe	RSWT – 15mm
Power	2.5 ~ 3.5 bar
MODE	Middle (Fast)
Shocks	2000
Interval	2 ~ 3 day
Treatment	3 ~ 4 times



### **Calcified tendonitis ● of the shoulder**

Calcific tendonitis of the shoulder a form of tendinitis, is a disorder characterized by deposits of hydroxyapatite (a crystalline calcium phosphate) in any tendon of the body, but most commonly in the tendons of the rotator cuff (shoulder), causing pain and inflammation. Shock wave therapy helps the formation of free radicals thus results in the production of pain reducing bio-chemicals.



### **Patella tip syndrome/ ● Osgood schlatter**

The patellar tendon connects the lower pole of the patella to the tibia. Patellar tendinopathy (PT), often referred to as jumper's knee, is a chronic overuse injury of the patellar tendon. 5-20 minutes of shock wave application to the soft tissue in total of 4-6 seance, covering a 4-6 weeks of treatment plan is considered to reduce the pain and complaints.





### ● **Achilles tendinopathy**

Achilles tendinopathy is a condition that causes pain, swelling, stiffness and weakness of the Achilles tendon that joins your heel bone to your calf muscles. It is thought to be caused by repeated tiny injuries to the Achilles tendon. Shockwave therapy when applied to tendons increases movement capability in a faster and permanent fashion.



### ● **Idiopathic low back**

Lower back pain without sciatica, stenosis or severe spinal deformation (henceforth referred to as idiopathic lower back pain, ILBP) is common and affects people of all ages. It is second only to the common cold as the most common affliction of mankind and is among the leading complaints bringing patients to physicians' offices. The goals of management for patients Shockwave therapy decreases the pain, restore mobility, hasten recovery so the patient can resume normal daily activities as soon as possible, prevent development of a chronic recurrent condition, and restore and preserve physical and financial independence and comfort.

## Lateral medial ● epicondylitis

Tennis elbow and golfer's elbow are considered to be overload tendon injuries, which occur after minor and often unrecognised trauma to the proximal insertion of the extensor (tennis elbow) or flexor (golfer's elbow) muscles of the forearm: Tennis elbow: reactive tendon pathology of extensor forearm muscle origins, causing lateral elbow and upper forearm pain and tenderness. Caused by repetitive stress at the muscle-tendon junction and its origin at the lateral epicondyle. Golfer's elbow: reactive tendon pathology of flexor forearm muscles, causing medial elbow pain. Caused by repetitive stress at the muscle-tendon junction and its origin at the medial epicondyle. To reduce the pain in both cases trigger point therapy is applied.



## OPTIONAL HANDPIECE



1-35 Hz high frequency  
vibration therapy  
Optional Vibration Shock  
Transmitters

### Extra Physiological Muscle Vibration Therapy:

Vibration strikes applied to the designated area increases micro-circulation and compression which helps the removal of waste products and toxins.

Also improves the secretion of serotonin.





## MODUS HANDPIECE

- Renewed Modus Handpiece is lighter and more ergonomic
- Producing more effective shock-waves
- Applying treatments will be easier and more fun
  - Durable aluminum casing
- Easy to hold for long periods of time



## TRANSMITTERS

Applicator	Size	Shockwaves	Usage	Power	
	6 mm, Radial	0 - 90 mm		Acupuncture with Shockwave Therapy	0.32 mJ/mm <sup>2</sup>
	10 mm, Radial	0 - 85 mm		Radial Shockwave Therapy, Tendinopathies	0.38 mJ/mm <sup>2</sup>
	15 mm, Trigger	0 - 80 mm		Chronicle Diseases, Deep Placed Diseases, High Energy Needs	0.36 mJ/mm <sup>2</sup>
	15 mm, Focus	0 - 40 mm		Head and Neck, Fascial Muscles, Close to Surface Pains	0.16 mJ/mm <sup>2</sup>
	15 mm, Radial	0 - 70 mm		Radial Shockwave Therapy, Tendinopathies	0.30 mJ/mm <sup>2</sup>
	20 mm, Radial	0 - 70 mm		Muscle Connective Tissue, Myofasciale Trigger Therapy, Trigger Diagnose, Skin Elasticity	0.48 mJ/mm <sup>2</sup>
	35 mm, Radial	0 - 65 mm		Muscle Connective Tissue, Myofasciale Trigger Therapy, Trigger Diagnose, Skin Elasticity	0.46 mJ/mm <sup>2</sup>
	35 mm, Radial	0 - 40 mm		Muscle Connective Tissue, Myofasciale Trigger Therapy, Trigger Diagnose, Skin Elasticity	0.10 mJ/mm <sup>2</sup>

## SOFT TRANSMITTERS

Soft transmitters are designed to be applied on sensitive tissues. Concave surface can focus the shockwaves on smaller areas.



**08**

[IM35]

35 mm, Radial/0 - 40 mm  
Muscle Connective Tissue, Myofasciale Trigger Theraphy,  
Trigger Diagnose, Skin Elasticity



**09**

[IM35]

35 mm, Radial/0 - 40 mm  
Muscle Connective Tissue, Myofasciale Trigger Theraphy,  
Trigger Diagnose, Skin Elasticity



**10**

[IM35]

35 mm, Radial/0 - 40 mm  
Muscle Connective Tissue, Myofasciale Trigger Theraphy,  
Trigger Diagnose, Skin Elasticity



## MODUS ESWT FACTS & FIGURES

Manufacturer	İnceler Medikal Sağlık Hiz. San. Tic. Ltd. Şti.
Model	Modus®
Power Supply	100 – 240 VAC, 50/60 Hz, 50 W
Fuses	2 x 1 A, 230 VAC
Compressed Air Supply	1 – 10 Bar Internal Compressor
Frequency	1 – 22 Hz
Power	1 – 5 Bar
Operating Mode	Single, Continuous, Burst
Display	TFT Touch Screen
Classification	Conforms to EN 60601-1 criteria. Class 1 Applied Part BF IP 20 (Foot Pedal IPX5) MOD 93/42 CEE Class IIb EMC Tests Report No. L VT, Ankara
Treatment Start / Stop	Main unit button, handle button and optional foot pedal
Body	Weight: 10 kg Dimensions: Height: 120 mm Width: 320 mm Depth: 390 mm
Operating Conditions	Temperature: +10 +30 °C Humidity: 30-75% Atmospheric Pressure: 700-1060 hPa
Storage and Handling Cond.	Temperature: -10 to +40 °C Humidity: 10-95% Atmospheric Pressure: 500-1060 hPa
Patient record memory	Unlimited
Custom treatment protocol selections	YES





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