

# GENTLE RELIEF ENHANCED HEALING

Keep Patients in Motion with  
HIVAMAT Deep Oscillation Therapy



# DEEP OSCILLATION THERAPY

HIVAMAT Deep Oscillation Therapy is a unique therapeutic treatment for rehab that is FDA-approved for muscle relaxation, increasing circulation, and pain relief, which are important factors in restoring function and maintaining muscle mobility.

## Muscle Relaxation

Deep oscillation therapy is felt as a gentle vibration within the tissues, which relaxes the underlying muscles, making soft tissues more pliable for manipulations aimed at increasing range of motion.

## Increased Circulation

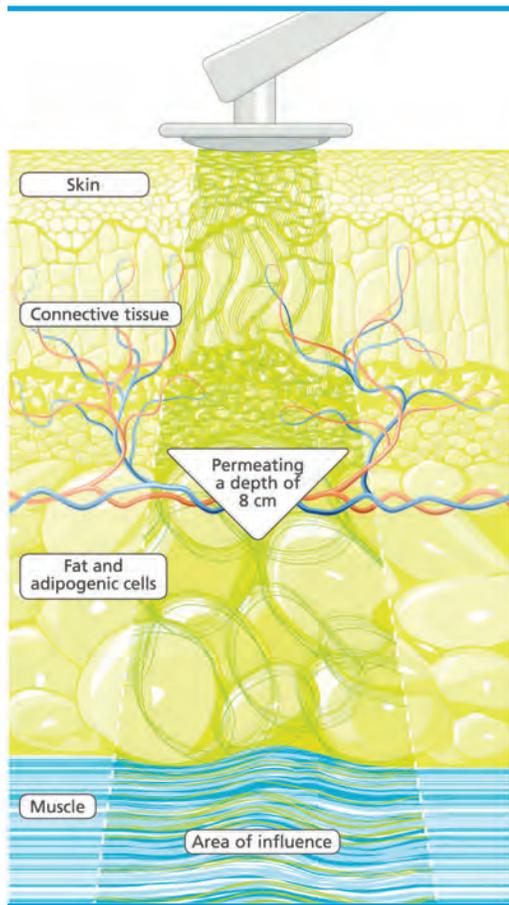
The massaging effect created by the oscillations within the patient's tissues work to open pathways and increase the flow of blood and lymph throughout the body.

## Pain Relief

Once the flow of blood, oxygen and nutrients is restored to muscles afflicted by adhesions from injury or microtrauma, the resulting pain is diminished, and mobility is increased.



Deep oscillation therapy is not indicated in the following cases: acute infections • acute inflammations with participation of pathogenic agents • active tuberculosis • acute venous diseases (untreated thromboses) • untreated malignant processes • erysipelas • patients and therapists with cardiac pacemakers and other electronic implants • heart disorders and diseases, especially cardiac insufficiency, decompensated cardiac edema, and cardiac arrhythmia • pregnancy • hypersensitivity to electrostatic fields • infectious skin diseases



## HOW DOES IT WORK?

Oscillations within the soft tissues are the result of intermittent electrostatic fields and friction. Opposing polarities between the patient and hand/applicator creates electrostatic attraction. As the hand/applicator is moved, resonant vibrations are created up to 8 centimeters deep into the tissues of the patient.

## THREE PHASES OF TREATMENT

Deep oscillation treatments normally work in three phases that can last up to 20 minutes in total, based on the indications and desired outcome for the affected area:

### 1. Dissolution of Lymphatic Waste

High frequency oscillations work to break up accumulated solids in the interstitium, such as proteins, lymphocytes, and other waste deposits so that they can be moved through the lymphatic system more easily.

### 2. Muscle Relaxation

Moderate frequency oscillations relax the surrounding tissue. With less restriction, the lymphatic pathways are opened up to support waste displacement.

### 3. Waste Displacement

Low frequency oscillations create a synthetic peristalsis, used in conjunction with a homogeneous progression toward the nearest lymph node to evacuate the accumulations from the area.





## A NON-INVASIVE BOOST TO NATURAL BODY HEALING

- An Adjunct to Traditional Modalities for Pain
- Aids in the Management of Lymphedema
- Supplements Manual Techniques While "Saving the Therapists Hands"
- Compliments Kinesio Taping Techniques
- Provides a Gentle, Painless Therapeutic Approach
- 25 Years in Practice with Published Clinical Studies
- Used by Over 50 Professional and College Sports Teams

### TECHNICAL SPECIFICATIONS

#### HIVAMAT 200 Evident

Protection Class	1, Type BF
Power Connection	100 - 240 VAC +/- 10%
Mains Frequency	50 / 60 Hz
Current	0.2 A at 115 V
Consumption	(0.1 A at 230 V)
Power Consumption	20-30 VA
Output Voltage Max.	400 V
Load Impedance	10 MOhm
Output Frequency	5 - 250 Hz
Dimensions	10.24" x 13.78" x 14.57" (26 x 35 x 37 cm)
Weight	18.95 lbs (8.6 kg)

#### HIVAMAT 200 Portable

Protection Class	1, Type BF
Power Source	4X 1.2V NiMH Rechargeable Batteries
Output Voltage Max.	400 V
Load Impedance	10 MOhm
Output Frequency	5 - 200 Hz
Dimensions	3.9" x 1.2" x 7.5" (10 x 3 x 19 cm)
Weight	1.5 lbs (.7 kg)

#### FEATURES: HIVAMAT 200 EVIDENT

- Full-Color Display with Simple-to-Use Interface
- Pre-Populated Treatment Programs
- Area-Specific Instructional Application Animations
- User-Controlled Parameters
- Save Treatment Programs to Device or Patient Card
- 3 Year Warranty
- Optional Storage Trolley

#### FEATURES: HIVAMAT 200 PORTABLE

- Simple-to-Use Interface
- Practice-Specific Treatment Protocol Cards: Rehab, Athletic, Chiropractic
- Easily Transportable / Battery Operated
- 3 Year Warranty



RM02037  
Hivamat 200 Evident



RM01004  
Evident Trolley



RM01009  
Hivamat 200 Portable



**Richmar**<sup>®</sup>  
Engineering Tomorrow's  
Healthcare

Toll Free 1.888.549.4945  
International +1.423.648.7730  
4120 South Creek Road  
Chattanooga, TN 37406 USA  
www.Richmarweb.com