



WELLSTIM

Combotherapy

Electrotherapy + Ultrasound

with

**Cranial Electrical Stimulation
(CES)**

A Comprehensive Solution for
**Physical Medicine & Rehabilitation
with Stress Management**

www.joharidigital.com

WELLSTIM

COMBOTHERAPY (Electrotherapy + Ultrasound)
CRANIAL ELECTRICAL STIMULATION (CES)

FDA
510(k)



WellStim is 2 / 4 Channel Comobtherapy (Electro-therapy and Ultrasound) combined with Cranial Electrical Stimulation (CES) which can provide 4 pole and 2 pole interferential treatment as well as a wide range of other electrical stimulation waveforms. Therapeutic voltage and current waveforms may be applied to a wide range of conditions with successful outcomes. These include acute and subacute traumatic and inflammatory conditions, chronic rheumatoid and arthritic conditions and for pain relief and depression.



4 / 2 Channel electrotherapy multiple modalities in a single unit including combination of ultrasound and electrotherapy



A comprehensive reference library providing information on therapy, treatments and electrode placement



Full-colour, 8" LCD touch screen displays in sharp, vivid detail



Treat and monitor multiple patients at the same time



SD Curve for interdependence between stimulus strength and the time required in activating the muscles



Treatment Start / Stop and pause switch in the Ultrasound Applicator



Different treatment parameters can be saved for different patients



Technical Specifications

Preset treatment protocols Electrode placement library

WellStim contains Electrode Placement reference library to demonstrate placement of electrodes in different body areas according to different conditions of pain. Doctors can experience the benefit of 16 preset protocols. They can also create customized treatments of their own and save it in the device for future purpose.



ELECTROTHERAPY

Output Channels	2 / 4
Carrier Frequency	2,000 - 10,000 Hz
Beat Frequency	0 - 400 Hz
Max. Intensity	0 - 100 mA
Phase Duration	20 - 1000 μ S
Treatment Time	1 - 60 Minutes

CES

Frequency	0.5 Hz
Pulse Width	240 msec to 1 Sec

ULTRASOUND

Frequency	1 MHz & 3 MHz
Pulse Frequency	100 Hz
Intensity Pulsed	0 to 2.5 W/cm ²



	INTERFERENTIAL • Four Pole • Two Pole
	RUSSIAN • Continuous • Cycle Timed
	GALVANIC • Continuous • Medium Freq. Interrupted
	MONOPHASIC • Continuous • Cycle Timed • Rectangular Pulsed • Triangular Pulsed • Surged
	TENS • Asymmetrical Biphasic • Symmetrical Biphasic • Alternating Rectangular • Monophasic Rectangular
	DIADYNAMIC • MF • DF • CP • LP • CP-ISO • CP-ID • MF+CP • MF+CP-ID • DF+LP • DF+CP
	HIGH VOLTAGE PULSED CURRENT
	MICROCURRENT
	TRÄBERT
	SURGED • Rectangular • Triangular
	ULTRASOUND • 1 and 3 MHz • Head Contact Control • Pulsed Repetition Freq. • Electronic Signature



US FDA CLEARED INDICATION FOR USE

Electrotherapy



Interferential and TENS is indicated for :

1. Symptomatic relief and management of chronic intractable pain
2. Adjunctive treatment in the management of post surgical and post traumatic acute pain condition

Russian and Galvanic Interrupted modes are indicated for :

1. Relaxation of muscle spasm.
2. Prevention of retrardation of disuse atrophy.
3. Increasing local blood circulation
4. Muscle re-education.
5. Immediate post surgical stimulation of calf muscles or prevent venous thrombosis
6. Maintaining of increasing range of motion.

Ultrasound



Therapeutic ultrasound is indicated for:

1. Pain relief
2. Reduction of muscle spasm
3. Localized increase of blood flow
4. Increase range of motion of contracted joints using heat and stretch techniques

CES



Cranial Electrical Stimulation is intended to use for the treatment of :

1. Insomnia,
2. Depression
3. Anxiety

Wellstim delivers all the modalities for pain and stress management from a single integrated solution. It assists care-givers to focus on their prime goal of bringing the suffering patient, back to the state of well-being.

WELLSTIM

CES therapy can help induce a pleasant, relaxed feeling of well-being.
This unique technology creates deep relaxation and helps user to take a deep sleep
even in the short intervals.



Anxiety



Insomnia



Depression



Stress



Science Behind Cranial Electrical Stimulation (CES)



A non pharmacologic approach using gentle electrical impulses Applied Transcranial for the prevention and treatment of depression, anxiety and insomnia.

The CES device organically entrains brain waves to a frequency that promotes relaxation and calmness. This naturally creates homeostasis, neuromuscular release, and relaxation. Beta brain waves (13-30 cycles per second) are associated with day-to-day wakefulness – primarily cognitive, sensory, and motor activities. High beta brain waves (23-40 cycles per second) are associated with fear and anxiety.



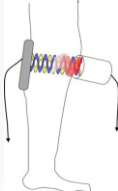

Effects of Cranial Electrical Stimulation (CES)



CES can help to create the kind of waves in mind so that user **starts feeling relaxed, as if half asleep**...thoughts are disappearing and a moment comes that everything becomes silent. This is the moment when waves are those of deep sleep.

User will not be aware of this deep sleep, but after ten minutes, when device is unplugged, user will see the effects; they will feel **calm, quiet, peaceful, no worry, no tensions**: life seems to be more playful and joyous. One feel as if one has had an inner bath. The whole being is calm and cool.

Combotherapy (Electrotherapy + Ultrasound) : Application, Technology and Benefits

Applications	Technology	Effects	Benefits
<p>Physical Therapy; Rehabilitation and Sports Medicine</p> <p>Multiple Combination Therapies treat</p> <ul style="list-style-type: none"> • Chronic and Acute Pain • Post-traumatic and Post-Surgical Pain Relief • Muscle strengthening. • Sports Injuries Recovery • Knee Pain, Low Back Pain, Shoulder Pain, Joint Pain • Musculoskeletal, Spinal and Neuropathic Pain disorders. • Painful Conditions caused by Acute and subacute traumatic and inflammatory conditions, chronic rheumatoid and arthritis. <p>Clinical Setups</p> <ul style="list-style-type: none"> • Multi speciality hospitals, • Pain clinics, • Orthopaedic clinics and • Sports medicine clinics 	<p>Combotherapy</p> <p>The combination of multiple therapies (Electrotherapy and ultrasound) has been acknowledged by the US FDA and physical medicine globally.</p>	<p>Combotherapy involves the simultaneous application of ultrasound (US) with an electrical stimulation therapy.</p>  <p>Combotherapy generates heat effect in the depth of body tissues to combine with electrical currents applied superficially on the skin to enhance the treatment thoroughly in the region</p>	<p>As a treatment modality to provide the following benefits :</p> <ul style="list-style-type: none"> - Speed the rate of healing and enhance the quality of repair. - Managing and reducing pain. - Helping with blood flow and improving circulation - Facilitating the repair of muscle and other tissue - improving the effectiveness in delivering prescription drugs - increasing range of motion - reeducating muscles - slowing tissue atrophy 
	<p>Electrotherapy</p> <p>which perform differently and benefits for different patients population</p>	<p>It is used to apply electrical current to electrode on a patients skin to treat pain.</p>	
	<p>Interferential;</p> <p>Russian;</p> <p>High Volt;</p> <p>Premodulated;</p> <p>Galvanic / Iontophoresis;</p> <p>TENS;</p> <p>Microcurrent;</p> <p>SD Curves,</p> <p>Diadynamic;</p> <p>Träbert;</p> <p>Surged;</p>	<p>It works at a higher frequency</p> <p>It delivers medium frequency current</p> <p>It is for deeper tissue penetration</p> <p>Single channel to mix frequencies</p> <p>Introduces ions of drug into the body</p> <p>It works at a higher frequency</p> <p>Micro sized pulsating currents at cellular level</p> <p>to know whether the stimulated muscles is innervated or denervated (partially)</p> <p>Mixed of Low current with analgesic and spasmolytic effect</p>	<p>Commonly applied in the treatment of spine pain syndromes.</p>
	<p>Ultrasound</p> <p>1 and 3 MHz Ultrasound Therapy</p>	<p>Use of sound waves as Ultrasonic energy for therapy is intended to generate deep heat effect within body tissues for the treatment selected medicine condition in the clinic.</p>	<p>Speed the rate of healing and enhance the quality of repair.</p> <p>1 MHz ultrasound is widely applied in conditions such as tendinitis or bursitis. Such as Bone fracture healing, relief of pain, muscle spasm and joint contractors</p>

Available Models



WELLSTIM

Combotherapy
(Electrotherapy + Ultrasound)
with CES



WinStim

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Watch Our Corporate Video



<https://youtu.be/F3xa8jL7N7Y>



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