

HEIT™

High Energy Inductive Therapy



emField Pro

Zimmer
MedizinSystems

Taking HEIT™ to New Heights!

Zimmer MedizinSystems introduces the next level of High Energy Inductive Therapy (HEIT™) with the emField*Pro* — a powerful, non-invasive system designed for deep neuromuscular stimulation.

Delivering up to 3 Tesla (30,000 Gauss), emField*Pro* allows for meaningful muscle activation without direct skin contact, without consumables, and without requiring patients to disrobe. Sessions are quick to set up, and can be performed with minimal staff involvement.

Think PEMF - Now Multiply That Power with HEIT™. That's emField*Pro*.

If you're familiar with traditional PEMF therapy, HEIT is in a different class entirely. emField*Pro's* significantly higher field strength provides a level of neuromuscular stimulation that wellness-grade PEMF systems cannot achieve.

This distinction is echoed in professional literature.

In an article published in *The American Chiropractor* (November 2024), Rod Tomczak, MD, DPM, EdD notes that, "thanks to its high frequency and magnetic energy levels, HEIT's ability to stimulate deep-tissue muscles sets it apart from conventional PEMF units."

In his discussion, Dr. Tomczak characterizes High Energy Inductive Therapy (HEIT™) as a high-intensity electromagnetic modality intended for neuromuscular activation at depth, contrasting it with lower-intensity PEMF technologies that operate at substantially reduced energy levels.

-  **Stay Dressed — No Disrobing Required**
-  **Non-Invasive — No Contact, Pads, or Needles**
-  **Muscle Activation & Re-Education**
-  **Relaxation of Muscle Spasm**
-  **Increase Local Blood Circulation**
-  **Improve Mobility & Range of Motion**
-  **No Downtime — Patients Can Resume Normal Activities**
-  **Comfort Intensity Personalized to Each Patient**



High Energy Inductive Therapy uses rapidly changing, high-intensity electromagnetic fields to induce electrical currents within the body. These currents activate motor neurons, producing strong yet comfortable muscle contractions without direct skin contact.

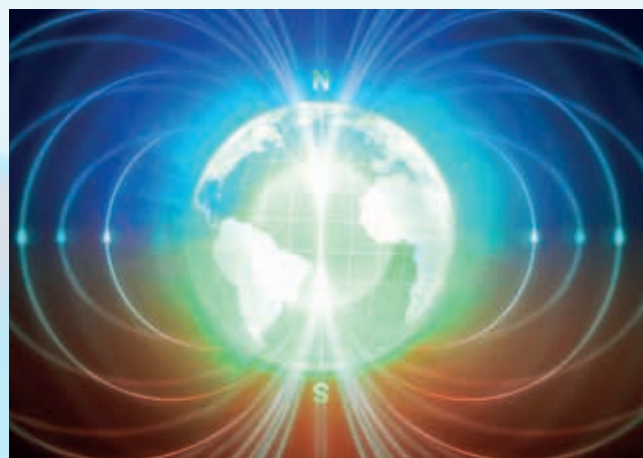
Magnetic fields pass easily through the human body with minimal attenuation. Because ions naturally carry electrical charge, tissues interact with electromagnetic fields in predictable ways. This allows energy to reach skin, soft tissue, joints, and even bone non-invasively.

Cell membranes naturally maintain an electrical potential, which is a key aspect of normal cellular physiology. This potential is created by the distribution of ions inside and outside the cell and influences how cells respond to electrical or magnetic forces.

Electromagnetic fields can interact with these charged particles. When a rapidly changing magnetic field is applied, it can affect ion movement and generate small electrical currents within the tissue. This phenomenon, known as electromagnetic induction, forms the basis for neuromuscular stimulation in High Energy Inductive Therapy.

The emField*Pro* generates magnetic fields up to 3 Tesla, providing a high level of intensity that allows electromagnetic induction to reach deeper structures comfortably and non-invasively. This strong magnetic field stimulates nerves and muscles and interacts with vascular tissues as it penetrates the surrounding anatomy.

This combination of depth, intensity, and non-contact delivery makes emField*Pro* a highly practical and versatile modality for busy rehabilitation, chiropractic, and physical therapy practices, as well as hospitals and other clinical environments.



Treatment with emFieldPro

Combined application – static and dynamic

Treatment areas often vary in sensitivity and structure. Static application is ideal for targeting specific tender or trigger points, while dynamic application is used for broader regions.

Static treatment

For focused treatment, the large applicator is mounted onto the applicator arm and positioned over identified pain or trigger points. These points are palpated first, and the appropriate output intensity is selected based on patient comfort and therapeutic goals.

Dynamic treatment

For treating larger or more diffuse areas, the medium applicator is guided over the treatment zone without direct skin contact. After palpating the treatment zone, the clinician selects the appropriate output intensity and moves the applicator to ensure full coverage of the area.

No gels, pads, or consumables are required for either application style.





Relaxation of muscle spasm

**Prevention or retardation
of disuse atrophy**

**Increase local
blood circulation**

Muscle re-education

**Immediate post-surgical
stimulation of calf muscles to
prevent venous thrombosis**

**Maintaining or increasing
range of motion**

Treatment with emField*Pro*

Post-operative High Energy Inductive Therapies

"I had a patient who had undergone elbow surgery and was not able to return to work for almost a year. He had tried various therapies that did not produce results. By the time he sought treatment with me, he was suffering from Chronic Pain Syndrome. We started a multi-disciplinary approach, combining emFieldPro, intense exercise, and manual techniques. Within 6 weeks, the patient was able to resume part-time work, and after 3 months he was completely back on track."

*Ralf Mühlhäuser
Physical Therapist
Ulm, Germany*

High Energy Inductive Therapy in Published Case Reports

Radiating Neck Pain (Case Report)

A 59-year-old female presented with constant, severe neck pain rated 8/10, radiating into the left arm, with no position providing relief.

"In this case, the patient was treated with HEIT only once and achieved complete resolution of the pain."

Rib Fractures With Severe Pain (Case Report)

A 40-year-old female reported severe pain over the right posterior ribs following rib fractures.

"After the first HEIT session, pain was reduced by 50%."

— Both case examples described by
*Dr. Michael Sheps in **Chiropractic Economics**,
Tech Talk, Feb. 17, 2023*

Individual patient results may vary.
Statements reflect the experience
of individual practitioners.

High Energy Inductive Therapy for Athletic Injuries

"Instantaneous relief is a common theme. I treat athletes from teenagers to those in their 60s, and 99%+ notice improvement during their very first session. For example, a patient recently came in with a fresh hip flexor injury. With emFieldPro therapy three times a week for two weeks, he was fully back to his training load in less time than anticipated. Others report immediate relief from stiffness, hamstring cramps, and general lower back pain. The "wow" factor is real, and it's why patients return time after time—because results are consistent."

*Dan Jurus
Doctor of Chiropractic
Boca Raton, Florida*

High Energy Inductive Therapy on Lumbar Spine Conditions

"It has been very beneficial with a wide variety of conditions. With the depth that it penetrates, it has been extremely effective for lumbar spine conditions. I have been amazed at how effective the emFieldPro has been."

*Chuck Bagwell
Doctor of Physical Therapy
Yorba Linda, California*

"A patient came in for a second opinion because of pain in her elbow. Earlier therapies that had been suggested were very painful and didn't achieve any results. We offered her two painless emFieldPro sessions and her elbow problems were completely relieved."

*Nijas Backer
Physical Therapist
Dubai, UAE*

High Energy Inductive Therapy on Chronic Pain



**Reliable German
Engineering —
For Continuous
Clinical Use**

**Non-Invasive,
Non-Contact Applicators**
Energy penetrates through
clothes without
loss of energy

**Large Applicator for
Static Treatments**

Cutting-edge technology offering a competitive advantage for your clinic



**Preset Programs,
Favorites, and Expert
Mode for Custom Protocols**

**Medium Applicator for
Dynamic Applications**

**Easily Integrates Into Existing
Rehabilitation Workflows**

Technical Data



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Magnetic power	Up to 3 Tesla (Large applicator) Up to 2.5 Tesla (Medium applicator)
Channels	2
Frequency	1 – 150 Hz
Treatment protocols	Programs: 6 Favorites: 20 Expert mode: 20
Treatment time	Typical session: 10–20 minutes Adjustable range: 1–60 minutes
Interface	8" LCD touch screen and central button
Dimensions	21.3" (L) × 19.7" (W) × 39.1" (H)
Weight	Approx. 132 lb