

TREAT

- Arthritis
- Bruises
- Swelling
- Sprains
- Cuts
- Trauma



EMpulse and EM Pulsar History

*A New Healing Paradigm:
Pulsed Electromagnetic Fields*



SLIDESHOW inspired by inventor: **GLEN GORDON, M.D.**

The Problem

Dissatisfaction with Drugs & Surgery

- *Crisis in Health Care*

- Unsafe drugs
...Vioxx, Bextra, Celebrex, Crestor, Viagra...
- Unproven surgeries, outcomes
- 100,000 deaths and 2.2 million nonfatal events from ADR in the US in 1994
- 30% of patients do not benefit from medicines ¹

- ¹ JAMA 1998 279:1200

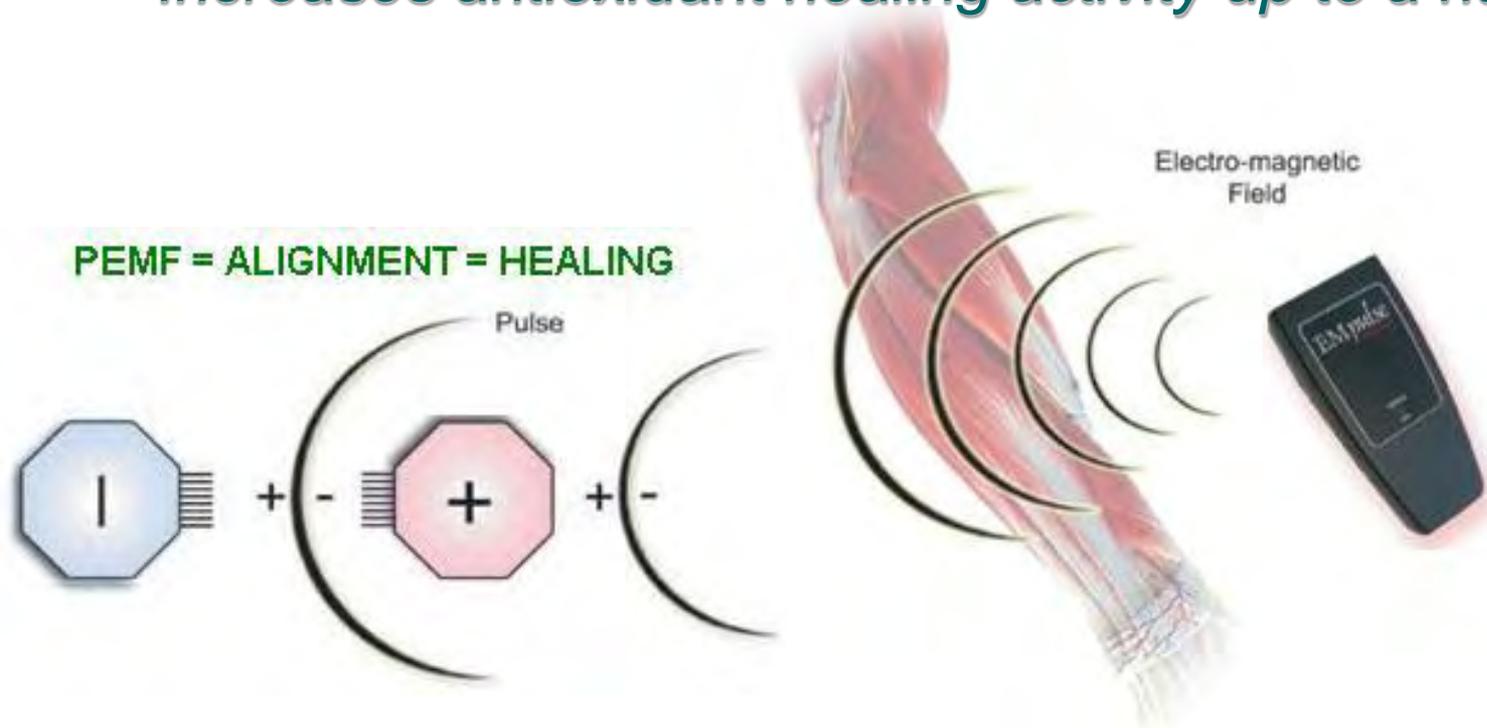


The Solution: Pulsed Electromagnetic Fields

Injury & Disease = Free Radical Event

PEMF Increases Neutralization by Antioxidants

Increases antioxidant healing activity up to a hundredfold



Example: fracture healing in 10-12 days instead of six weeks

History: Dr. Gordon invents the *EMpulse* for his own congestive heart condition

- *Stops inflammation faster than any drug or technology*
- *Cost effective healing technology*
- *Synergistic with drug therapy*
- *Spinoff to pad style product*

Example: Osteoporosis -
Fosamax at \$6000 annually -or-
The new **OsteoPad**, \$795 based
on the *EMpulse* technology, which
Stimulates Calcium Transport
electromagnetically to
Restore Bone Density

Bone Knitting OsteoPad™

- 1 out of 2 people will develop **osteoporosis***
- **OsteoPad™** provides a patented EM signal proven to stimulate calcium transport across bone cell membrane, just like weight bearing exercise creates piezoelectric signals
- **Heals bone fractures in ½ of the time**
- Strengthens bones of elderly *while they sleep*, reversing osteopenia and osteoporosis
- In development by IRI in cooperation with Dr. Manning who patented an early version

Free Radicals and Antioxidants

*are **paramagnetic** and
drawn to and oriented by a
magnetic field (compass effect).*

***Pulsed Magnetic Fields** are
a catalyst to increase antioxidant
efficacy 100-fold*

Inflammation vs. Healing

Must stop one to start the other



*Must be able to upregulate tissue and
tissue restoration genes*

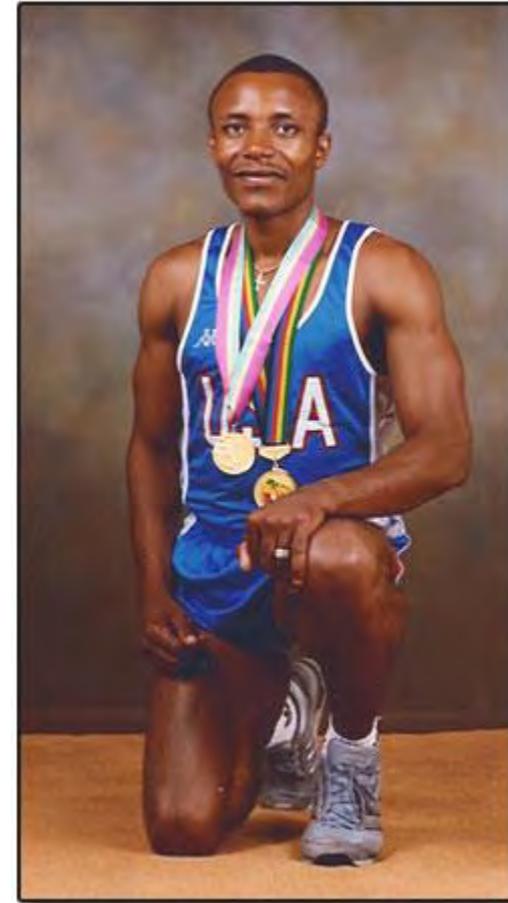
Testimonial

"I tore a hamstring so badly I thought the Olympics were history before they started.

We treated several days, two or three times per day, results were spectacular. I'd never seen a hamstring injury recover with such speed.

We treated several days, two or three times per day. I'd never seen a hamstring injury recover with such speed. "

Calvin Smith - Former World Record Holder & Former Olympic Gold Medalist



Note: The FDA reviewed and approved the original EMpulse

Excerpt of FDA Approval Letter to Dr. Gordon for the original EMpulse



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

OCT - 9 2003

Glen A. Gordon, M.D.
EM PROBE, Inc.
1501 Old Gardiner Road
Sequim, WA 98382

Re: K024361
Trade/Device Name: EM-PROBE
Regulation Number: 21 CFR 890.5500
Regulation Name: Infrared lamp
Regulatory Class: II
Product Code: ILY
Dated: June 30, 2003
Received: July 14, 2003

Dear Dr. Gordon:



We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act) that do not require approval of a premarket approval application (PMA). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

NASA Findings on PEMF

- *NANOSECOND Speed = 2-4 times healing power*
- *PEMF upregulates approx. 150 repair genes*
- *Transforming growth factor-1 - bone*
- *Vascular endothelial growth factor (VEGF) - vessels*
- *Increases mitochondria 300-400%*
- -----
- ***Antioxidant healing activity up to a hundredfold***

NASA's Conclusion*

“Nanosecond speed is up to 4.0 times as effective as DC, sine wave, and millisecond technology [all of] which was found to be little better than placebo”

* “Physiological and Molecular Genetic Effects of Time-Varying Electromagnetic Fields on Human Neuronal Cells”, NASA Tech. Paper, TP-2003-212054, 9/1/2003

EM Pulser Has Nanosecond Speed

Pulsed Electromagnetic Fields - interesting...

- *Used internationally for 150 years*
- *Approved for fractures in US (1979)*
- *Marginally effective! Why? Millisecond speed*

Nanosecond Pulsed Electromagnetic Fields are revolutionary!

- *NASA 4-year study- nanosecond speed >4.0 times better at restoring tissues following injury or trauma.*
- ***EM Pulser*** is the only ***NANOSECOND*** PEMF device

Scientific Scrutiny

- *2000-3000 PEMF articles in National Library of Medicine*
- *Largest study ever by NASA*
- *DOD use in Iraq and acute trauma study*
- *FDA approved non-unions since 1979*
- *W.H.O. reviewed worldwide and found “no adverse side effects”*

Dr. Gordon's Spectrum of Use

Inflammation/Pain

- *Bites, stings, trauma*
- *Arthritis, muscle injury*
- *Neuritis, neuropathy*
- *Carpal tunnel*
- *Back Pain*
- *Pain Relief*
- *Tissue healing*
- *Menses and childbirth*

Tissue Restoration

- *Nerve repair*
- *Fracture healing*
- *Prosthesis stabilization*
- *Myocardial ischemia, congestive heart failure*
- *Cerebral ischemia, stroke*
- *Spinal Cord Injury*

Testimonials for both models

"First time I used it on my knee I was sold. Twenty minutes, and the pain I usually get with a tough day was gone. I use it whenever needed."

Norris J. – using the EMpulse →



"You cannot imagine how pleased we are with the relief we received from the unit. It is definitely one of the best purchases we've ever made. Thank you for making this technology available and affordable."

Michelle M. – using the new EM Pulsar →



EM Pulser Specifications

- *Lightweight 5 oz.*
- *Portable – 1" x 2.5" x 5"*
- *Rechargeable Battery – Long Lasting – option AC adapter*
- *30 day money back guarantee*
- *1 year manufacturers warranty*
- *Easy to use*
- *Minimum application:
30 min, 2 times/day
move slowly back and forth
over painful area*
- *May also be secured in place
with a scarf or towel or under
clothing*



Testimonials

***"My daughter used EMpulse many times a day following ACL replacement surgery. It reduced her pain level – in two days she no longer needed pain meds. The swelling was VERY minimal, I attribute this directly to the use of EMpulse. At approx. 11 weeks out her PT said this was by far the fastest he had ever seen anyone recover from this type of surgery."* – Virginia L**

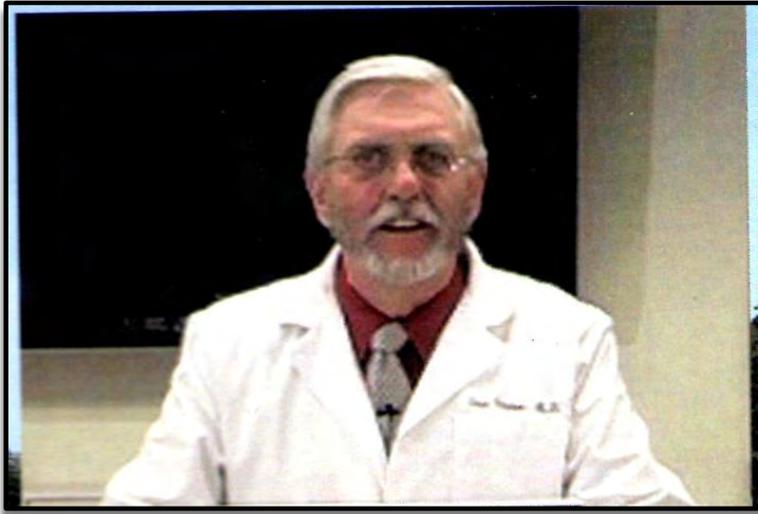


“Just to let you know. I put one of the new devices on my knee and am holding it in place with an ace bandage. I was in much pain going up and down stairs and up hill. What i noticed immediately putting it on is I felt like something was holding my leg gently so it could do what it is supposed to do which is heal itself. My knee feels stronger just having the device on it continuously. As I walk up the stairs I am not in as much pain having had it on for only ten minutes so far. It is not placebo because I am being very careful to see what the body is doing and not want it to work so to speak. So I am so happy it is reducing my pain immediately. It feels like a warm protective shield around the injured area.”

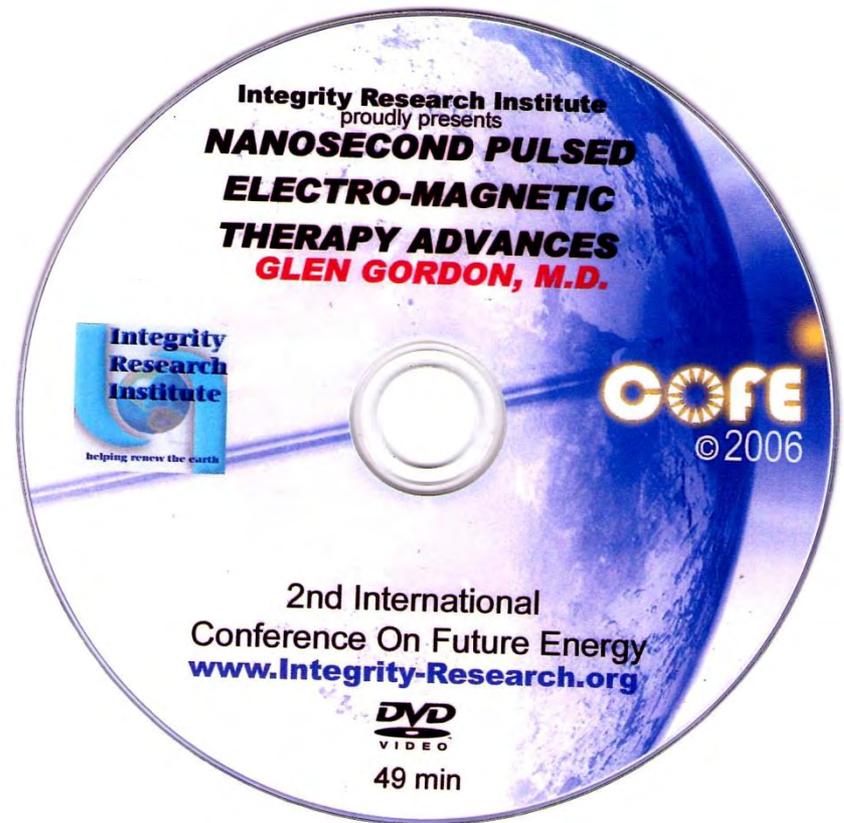
-- Thanks, *Rozanne*

Personal Instructions from Glen Gordon M.D.

Presented to an IRI conference audience
Explains the benefits of pulsed EMF therapy



FREE copy with every
EM Pulser order



EM Pulser – New and Improved Version of Dr. Gordon's



*Including a 30-page **User Manual**
with all of Dr. Gordon's original
articles*



*With **FREE**
battery
recharger*

Rechargeable Internal Battery, More Powerful Pulse, Faster Pulse Rate, Bigger Coil, but still with the SAME Nanosecond Risetime!