

MediConsult®

THE HEALTH EXPERTS

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INTRODUCING THE *MRS 2000*®



Dear Friend:

Thank you for your interest in learning more about the many health benefits of pulsed magnetic resonance stimulation. This letter tells the story of *MRS 2000*, and will touch on some of the science and benefits of this very old “new” therapy.

Marcus, a patient of mine in his early '30's, had a herniated disc in May of 2006, which produced severe back and leg pain. I was able to quickly diagnose the problem and resolve it. This caught the attention of Marcus's mother, Hermina, a German native. Hermina began to read about my hospital residency and credentials (see www.spine-health.com/doctor/JoelCarmichael/). (See also www.center4spine.com). She believed she had found the doctor she was looking for in the United States to help others discover the health benefits of the *MRS 2000* system. Years earlier while in Munich, Hermina had been trained and certified in the use of magnetic resonance stimulation, working closely with physicians in many specialties. Having undergone a hip replacement surgery with significant complications, she had experienced *first hand* the profound benefits of the *MRS 2000*.



Well, Hermina was right! She introduced me to the *MRS 2000* in November, 2006, and I listened. The system consists of a control unit, a mattress applicator (about the size of a modest beach towel,) and a kidney-shaped pad applicator for local, higher intensity applications. (The sunglasses and earphones are optional audiovisual

adjuncts to the therapy. The probe (far left) is an optional device used for local applications for small joints: fingers, jaws, and treatment of ringing in the ears, etc.)

By December I was using the **MRS 2000** on a trial basis with patients, and by January 2007 the results people were reporting were, quite frankly, startling and quite unexpected. Jackie McFarlane's condition is a case in point. I reprint this letter from her with her permission:

Dear Dr. Carmichael:

I would like for you to know how much better I am and to thank you and your staff for the wonderful care you have all given me. A surgeon told me they had done everything possible for me and the only thing left was back surgery. I had my MRI pictures and you could see the bulge in my disk about the 3 - 4 lumbar area. Needless to say, I **DID NOT WANT TO HAVE BACK SURGERY.**

The DRX machine was wonderful, my back was feeling better and I could see improvement but I was still not 100%, and **then you suggested that I continue on with therapy on the MRS system.** I had a very successful experience with that system too.

I also have Blepharospasm in my eyes. During the first time on the MRS mat my eyes went completely crazy, they pulled and acted up something terrible and I told the girls that I thought I was going to have to get up because my eyes were acting so funny.

*They asked me to just stay put and see if the mat would help me, so I did. I think I was on the mat for 16 minutes and when I got up my eyes felt so different, I could not believe it. Instead of getting the Botox Injections that was recommended I chose to take some pills... **Well I have not had to take any pills for at least three month now.** I believe this is just an added benefit from the MRS 2000 mat, because I sure didn't think you could help my eyes, I was just coming to see you for help with my back and leg. The MRS 2000 mat is just a miracle worker.*

I highly recommend both the DRX & MRS 2000 therapies that you use. I am not a person who likes to take medications, I want to fix the problem and not medicate it if at all possible and through your continued efforts and your willingness to get me back to being a totally well person I feel I am now well and will not have to face the possibility of back surgery.

You and your staff are dedicated health givers and "go the extra mile" to make sure your patients are well cared for.

I would be happy to talk to anyone who would have any questions about my experiences; I might add there was never one second of any kind of pain, absolutely NONE with any of your therapies.

Thank you again for your kind and dedicated care.

With Jackie's **MRS** experience and many others, I decided to fly to Munich in March 2007. I met with leading physicians who use the **MRS 2000** in their clinics, including Dr.med. Jürgen Schmitt, an orthopedist in practice for 27 years with 20 years of experience in magnetic resonance stimulation. Now in semiretirement, he used 12 **MRS 2000** units in his busy practice (the largest in Munich). Pulsed magnetic stimulation was a core service he provided to thousands of patients.

While in Munich I learned that physicians and orthopedic surgeons in Europe and the former Soviet Union have used magnetic field therapy for 2 decades. I learned why a low-intensity, pulsating form of magnetic energy called magnetic resonance stimulation (**MRS**) was superior in its healing qualities to other forms of magnetic field therapy, including high intensity fields and also static magnets that are worn as jewelry or purchased in blankets or mattress pads. I learned that there are over 250,000 **MRS** units in homes in Europe and the former Soviet Union. Years of clinical experience and research have shown **MRS 2000** to be helpful for a vast number of health conditions. Over 6,500 articles have been published in this branch of medicine. However, in the drug / surgery crazed U.S., we've heard almost NOTHING about this therapy ... until now! ☺

The 321 page medical text by Christian Thuile, M.D., the "Practice of Magnetic Field Therapy," was published in English in 2000. It is a compendium of information specific to the use of **MRS 2000** technology. Here are the major sections of the book:

1. Magnetic Fields and Magnetic Therapy
2. The technology of Magnetic Field Therapy
3. The practical use of Magnetic Field Therapy
4. Possible uses of Magnetic Field Therapy from A to Z
 - a. Diseases of the locomotor system and supporting apparatus
 - b. Sports medicine
 - c. Pain
 - d. Diseases of the cardiovascular system
 - e. Diseases of the respiratory tract
 - f. Diseases of the digestive system
 - g. Infectious diseases
 - h. Allergies and other diseases of the immune system
 - i. Diseases of the urinary tract and the male reproductive system
 - j. Diseases of the nervous system
 - k. Diseases of the eye
 - l. Diseases of the ear, nose and throat
 - m. Diseases of the teeth and jaw
 - n. Psychological diseases (includes anxiety, burn-out, stress, etc.)
 - o. Diseases of the skin
 - p. Tumor diseases
 - q. Gynecological diseases

- r. Metabolic diseases (includes diabetes, obesity, and thyroid)
- s. Magnetic field therapy in animals

The more I study and the more I've used the **MRS 2000** on varying conditions, the more excited I am! I have shared MRS with other health care providers and their experience in applying this technology to patients has been exactly the same as mine.

Medical researchers have proven that pulsing electromagnetic fields can “jump start” the healing process in a variety of tissues.

The most widely used example of the “jump start” effect is the application of pulsed magnetics to stimulate repair of non-healing fractures. Most orthopedic surgeons in the U.S. have prescribed a “bone stimulator” at one time or another.

Extensive research has shown that very low intensity magnetic signals – such as those utilized by the **MRS 2000**:

- enhance healthy cell growth and proliferation
- improve the action of enzymes
- strengthen the state of the cell's genetic apparatus
- restore the function of excitable membranes, receptors and other biological systems

Thus, low intensity pulsed bioelectromagnetic signals are proven to:

- stimulate TISSUE REPAIR and REGENERATION
- alleviate STRESS and PAIN
- ACCELERATE RECOVERY from a wide range of conditions

If its good for your bones, what do you suppose this healing energy can do when your body is engulfed in the correct type of magnetic field on a regular basis?

Over 50 diseases and conditions have been treated successfully with pulsed magnetic field therapy alone or in combination with other means. There are more than 1,000 treatment centers in the countries of the former Soviet Union, and by 1995 more than 3 million people had received this type of therapy.

In the U.S., studies on the use of pulsed magnetic fields for analgesic, anti-inflammatory, and immune-stimulating uses are progressing at the Richard J. Fox Center for Biomedical Physics at Temple University.

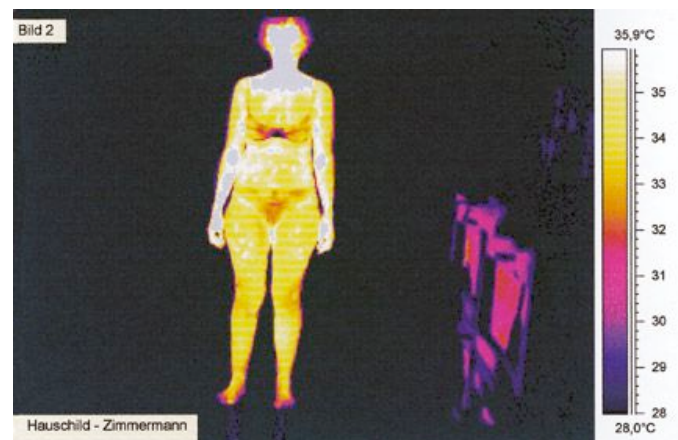
Here is a current listing of conditions and indications for **MRS 2000** therapy:

- Insomnia
- Osteoporosis
- Need for increased oxygen to the tissue
- Need for regeneration of vascular tissue
- Need to increase lymphatic drainage
- Brain and spinal cord injuries
- Myofascitis – muscle trigger points (hips, low back, neck and shoulders)
- Fibromyalgia and chronic fatigue
- Pain
- Strains, sprains and bruises
- Degenerative spine and joint disease
- Acute and chronic tendonitis; torn tendons
- Disease protection and reduced recovery time
- Chronic diseases (e.g., diabetes, Hepatitis)
- Wounds and fractures
- Immune deficiency (e.g, HIV / Aids, Fungal infections)
- ADHD, ADD, Panic Attacks, Depression
- Prevention, Regeneration and Vitalization
- Headaches / Migraine Headaches
- Need to activate metabolism and oxygen supply
- Need to improve respiration (e.g., asthma, bronchitis, emphysema)
- Need to improve blood circulation in the capillaries
- Need to improve sleep and overall well-being / Relaxation

A primary mechanism of action for the **MRS 2000** is the release of nitric oxide. This compound was discovered to be the key factor in causing smooth muscle (e.g., in the vessel walls) to relax, thus producing dilation of the blood vessels and improved circulation. While in Munich I was shown many before and after infra-red thermogram which prove conclusively that the **MRS 2000** produces MARKED IMPROVEMENTS in circulation:



Before MRS



After MRS

My Munich colleagues presented a case study of a diabetic patient whose sole supplement to insulin was **MRS 2000** therapy. The patient had a chronic condition. Type II Diabetes Mellitus was diagnosed in November, 1993. She had developed diabetic polyneuropathy, high cholesterol and intermittent claudication (calf pain with walking more than 100 meters due to circulation problems from diabetes.)

Following regular use of the **MRS 2000** at home over months for her chronic condition, the patient's claudication symptoms disappeared and her blood sugars did too. Repeat Doppler vascular studies showed the vessels in her legs had returned to 100% **NORMAL FUNCTION** for both lower extremities.

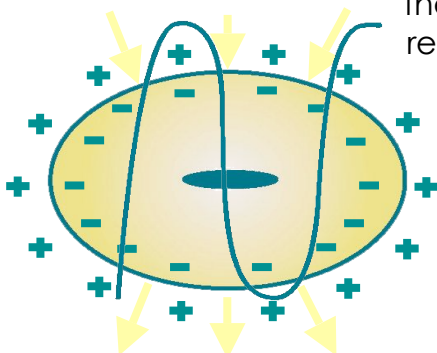
Of even greater intrigue for me was the following blood sugar data:

June 2004:	125-183 mg/dl
July 2004:	105-187 mg/dl
August 2004:	125-177 mg/dl
September 2004:	63-103 mg/dl
October 2004:	70-107 mg/dl
November 2004:	64-101 mg/dl
December 2004:	68-98 mg/dl

Follow up evaluations in 2005 and 2006 demonstrated normal blood sugar levels. The patient was able to discontinue prescribed medications for Type II diabetes (Amaryl and Glucobay). *Warning: Do not change dosage of medication for diabetes.* The point is this: the **MRS 2000** was able to **support healthy cellular function** in the pancreas of this patient.

How about you? Where is your body deficient and in need of better communication between and among cells, tissues and organs? Where do you need better circulation, more oxygen, and a more vibrant, healthy metabolism and immune function?

According to some researchers virtually ANY disease or condition can be improved with proper use of the **MRS 2000** system. Usage simply returns the body to its natural state of healthy magnetic resonance.



This point was made by James Oschman, PhD, in his book "Energy Medicine in Therapeutics and Human Performance." He stated that "intractable diseases may not really have causes

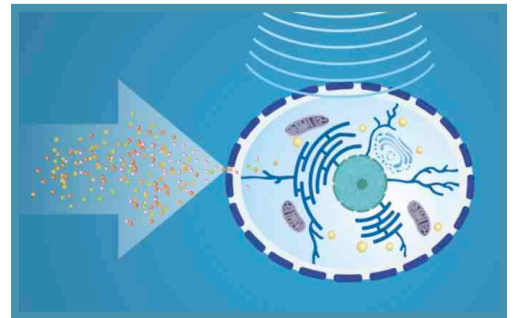
in the usual sense, but instead may be the consequence of a loss of “systemic cooperation.” Pulsed **MRS 2000** therapy stimulates the body’s repair systems to work better, restoring “systemic cooperation” of the cells, tissues and organs of the body.

MRS 2000 for Sports and Exercise

Benefits of the **MRS 2000** in athletes and weekend warriors include:

- Improved regeneration and relaxation after training sessions or competition
- Ideal application for vitalization in the morning or as a passive warm-up prior to training or competition
- Assists in prevention for sore muscle as well as the after-care of muscles
- Faster lactate reduction and glycogen building
- Release of cramps and prophylactic bracing of muscles (adjusting muscular dysbalance – more effective stretching)
- Faster muscle and bone regeneration
- Improved oxygen, nutrient supply and blood circulation
- Boosts endurance by improving oxygen supply to the tissue; enhancing regeneration
- Encourages melatonin production and stabilizes the sleep rhythm (counteracts energy deficiency, jet lag and burn out syndrome)
- Supports and accelerates wound healing of sports injuries (sprains, sprains, bruises, muscle and tendon tears, dislocations, nerve injuries)

Today, many European world champions and Olympic medalists from a variety of sports rely on the **MRS 2000** for maintaining healthy training and achieving peak performance. For optimization of endurance, they count predominantly on the natural treatment effects of the **MRS 2000** systems. Working with high level athletes in many different sports we have discovered the same is true in the United States.



IS THIS A PLACEBO EFFECT?

Randomized placebo-controlled trials have been conducted that prove pulsed magnetic therapy does not operate by a placebo effect. In fact, a recent, cursory search of the current English language medical literature revealed the following scientific findings, among others:

- Pulsed magnetic field therapy **enhances nerve regeneration** after crush injuries (Altern Ther Health Med 2006 Sep-Oct; 12(5):42-9)
- Pulsed magnetic therapy **stimulates new bone formation** (Ultrasound med Biol 2006 May;32(5):769-75.)
- Pulsed magnetic therapy **reduces pain and disability** and appears to be a potentially useful therapeutic tool for the management of chronic low back pain. (J Int. Med Res 2006 Mar-Apr; 34(2):160-7) ([This was a randomized, double-blind, placebo-controlled](#)

clinical trial.)

- Pulsed magnetic therapy **improved neck pain and spasm** significantly in patients with cervical arthritis. (Rheumatol Int 2006 Feb;26(4):320-4. (This was a randomized, double-blind, sham-controlled clinical trial.)
- Pulsed magnetic therapy **reduces pain in tennis elbow**. (Clin Rheumatol 2007 Jan;26(1):69-74.
- Pulsed magnetic therapy **improves spinal fusion rates: 64% healed in 9 months with magnetic fields vs. 43% healed using placebo devices**. (Spine 2002 Jul 1;27(13):1383-9.)
- Pulsed magnetic therapy **increases** glycosaminoglycan levels in support of cartilage **regeneration in arthritis patients**. (Biomed Pharmacother. 2005 Aug;59(7):388-94.
- Pulsed magnetic therapy **decreases joint swelling** by inhibiting the release of beta-glucuronidase from lysosomes at the cellular level. (Bioelectromagnetics 2005 Sep;26(6):431-9.
- Pulsed magnetic therapy **corrects delayed union of anterior cervical fusion**, resulting in better fusion rates. (South Med J 2004 May;97(5):519-24.
- Pulsed magnetic therapy **provides unexpected analgesic effects** in individuals with refractory neuropathic foot pain secondary to peripheral neuropathy. (Neurorehabil Neural Repair 2004 Mar;18(1):42-6)

Nancy is a renowned horse breeder in the San Diego area. She has been working with the **MRS 2000** system (and its equine equivalent, the **EnerPuls®**) for several years. She has some amazing case studies, one or two of which you may have already heard me tell. Perhaps the most striking is the use of the **MRS 2000** mattress applicator on a horse that was dying of aspiration.

Knowing that the horse would die, Nancy decided to think and act outside the box. She put the **MRS 2000** on the horse, and within seconds it STOPPED ASPIRATING. She stopped **MRS 2000**, and the horse immediately



started to aspirate again. She got her video camera because she couldn't believe what she was witnessing. She recorded 10 minutes of footage where the horse continually demonstrated an immediate, life-saving effect with **MRS 2000** applied, and a reversal when the horse was outside the healing magnetic field. Very soon I will obtain a copy of this video, digitize it and have it available on our now-under-construction MRS website! The happy ending is this: the

horse is alive today!

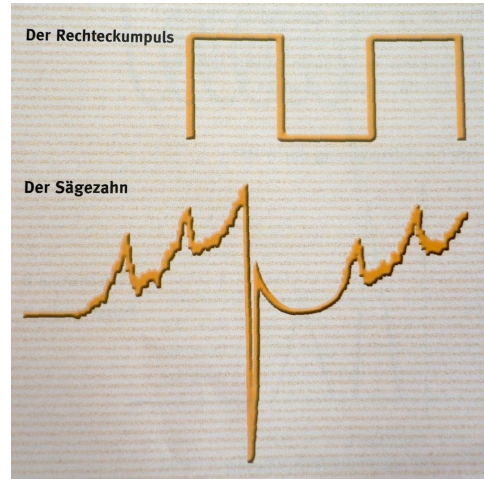
Case reports on the life-giving effects of the **MRS 2000** on animals are abundant. This includes dogs, cats, horses, zebras, (really!), etc.

Placebo? No way!

As noted above, the 'bread-and-butter' conditions for the **MRS 2000** include chronic back and neck pain, sciatica, stress, insomnia, myofascial

pain from trigger points in the muscles, fibromyalgia, chronic fatigue syndrome and certain neurological conditions. I've had the privilege of seeing patients who had thought they'd tried everything experience amazing reversals in their poor health through pulsed magnetic therapy. The **MRS 2000** is a superior quality product of German engineering and technology.

Here's an example: instead of using a traditional sine wave the **MRS 2000** uses rectangular & saw-tooth (Sägezahn) wave forms to summate signaling of the cell membrane and produce maximum cellular resonance (shown right).



For those who may be overweight, have metabolic syndrome, or be relatively pain free but in poor health, maximum signaling of the cell membrane is essential. Consider these other wholistic benefits:

The **MRS 2000** is "Spring Cleaning for the body." It will:

- Raise your energy levels
- Activate your immune system
- Accelerate healing processes
- Stimulate detoxification
- Markedly improve sleep
- Take your stress levels DOWN!



If you, a friend or a loved one are interested in knowing more about the opportunity for peak energy and health through the MRS 2000, or about purchasing the MRS 2000 for your home, please contact me at:

jcarmichael@center4spine.com

Thanks for taking an interest in your health!

Best regards,

Joel

Joel P. Carmichael, DC, DACBSP

**Electromagnetic energy
is the elemental energy
on which all life and
organisms depend.**

*Prof. Dr. Werner Heisenberg,
German Physiker,
Recipient of the Nobel Prize*

Disclaimer:

This information is not intended to replace the health care advice of a physician. No statements made herein are intended to diagnose or treat human illness. If you have pain, fatigue, discomfort or any disease, please see your doctor. Though pulsed magnetic field therapy devices have been evaluated and given 510(k) clearance by the FDA, the MRS 2000 has not been evaluated by this organization.