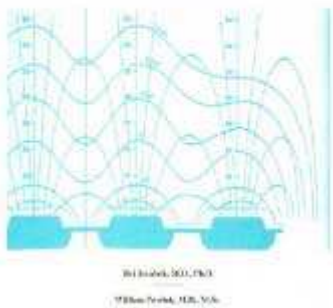


Magnetic Therapy in Eastern Europe: A Review of 30 Years of Research

By Jiri Jerabek, MD, PhD and William Pawluk, MD, MSc

MAGNETIC THERAPY

In Eastern Europe
A Review of 30 Years of Research



"...A book which summarizes the Eastern European literature on magnetism and health is a necessity for the advancement of research and practice in this developing field. I applaud Dr. Jerabek's and Pawluk's work, for finding the stones and paving the path."

*L. Cocchiarella, MD, MSc
American College of Occupational and Environmental Medicine -
Complementary Medicine Section Chair*

"An excellent contribution to the information base on magnetic therapy. Filled with difficult-to-locate information from the Eastern European countries where much of the early research on magnets was conducted, this book is a 'must-read' resource for anyone interested in the application of magnetic therapy in the healthcare field. Quite simply a fine and timely book for those of us conducting

research in complementary therapies."

Ann Gill Taylor, MS, EdD

*Director, Center for the Study of Complementary and Alternative Therapies, University of Virginia,
Charlottesville; NIH OAM Center Grant Winner; conducting studies on static magnetic fields*

"Summarized the exciting results of 343 studies done on magnetic therapy in Eastern Europe. The results ... cited were truly impressive, covering an amazing range ... of conditions ... also summarized the major magnetic effects: vasodilatation, analgesia, anti-inflammatory, spasmolytic, antiedema (swelling), and healing acceleration."

Ron Lawrence, MD, PhD & Paul Rosch, MD

*from their book "Magnet Therapy: the Pain Cure Alternative -
A Scientifically Proven Method That Really Works!"*

Synopsis of the Book

The book presents information summarizing conditions studied, magnetic field strength and type of field used, frequency and duration of application and summary of actual results. There are detailed descriptions of many studies on both static (permanent) and frequency (pulsed) fields.

Clinical practitioners are increasingly approached by the public about complementary medicine, including the use of magnets for personal care. Since there is little scientifically sound information in the traditional English language medical literature to guide clinicians' advice, our book serves to bridge that gap.

Summaries of the clinical protocols studied are presented which can guide clinical application. Tables are laid out showing the condition/parameter studied, type of field used, magnetic field strength applied, duration and frequency of treatments and results of treatment. This last will help guide clinicians on what to expect subjectively and objectively, that is, physiologically from use of the magnetic fields.

In the last two chapters there are summaries of explanations of how and what magnetic fields do physiologically. Most other books written to date are basic science or personal opinion. This is one of the first books to summarize true medical research. Some people doubt the validity of possible magnetic field actions on the body. Here described are examples from 30 years of actual clinical experience. More and more research is being done in the "West" that will duplicate these results. Both authors have academic credentials and they have used magnetics clinically for at least 20 years between them and have first hand experience with many of the actions found here.

Controlled human studies described include

- Atherosclerosis
- Brain neurosecretion
- Breast fissures
- Burns
- Carpal tunnel syndrome
- Cervicitis
- Chronic bronchitis
- Controlled Studies Animals
- Corneal trauma
- Edema
- Endometriosis
- Endometritis
- Femoral artery surgery
- Fractures
- Increased circulation
- Infected skin wounds
- Ischemic heart disease
- Limb grafts
- Liver function
- Polyneuritis
- Post-ischemic injury
- Post-partum problems
- Pre- and post- operative healing
- Reduced clotting

There are also uncontrolled studies describing many more conditions where benefits have been found. We are taking part in the emergence of a great new era of magnetic and bioelectric or resonance medicine - alongside chemical medicine.

Table of Contents

General

- Magnetic field, physical characteristics
- Interaction mechanisms
- Devices used

Internal Medicine Studies

- Peripheral vascular diseases
- Heart disease and hypertension
- Lung diseases
- Gastrointestinal diseases

- Neurological diseases
- Rheumatic diseases
- Pediatrics
- Dermatology

Surgical Studies

- Surgery
- Gynecology
- Oral Medicine
- Otorhinolaryngology
- Ophthalmology

Experimental Studies

- Studies in healthy persons and patients regarding mechanisms of action
- Animal experiments coherent with clinical applications
- Animal experiments oriented to biochemistry
- Immunity and experimental infectious diseases
- Reproductive function and embryo development
- Combined effects of ionising radiation and magnetic fields
- Experimental tumours
- In vitro experiments
- Interactions with drugs

Summary of Magnetic Field Effects

- Summary of static field effects
- Summary, recommendations
- Contraindications and precautions
- General rules for application of magnetic fields and conclusion

We summarize the data from over 340 studies

- Human and animal
- Clinical and experimental
- Controlled and uncontrolled
- Basic and clinical science
- Frequency magnetic fields (sinusoidal and pulsed) and
- Static (permanent and DC electromagnetic) fields

Studies include

- Basic science
- Medical specialties
- Surgical specialties
- Static and electromagnetic fields