

BOOK OF ABSTRACTS  
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ASSOCIATION OF SWISS CHIROPRACTORS

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IN CHIROPRACTIC**

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Pulsed Signal Therapy. Overview Clinical & In Vitro Studies

*University of Vancouver, Canada; Richard Markoll, Scientific Director, Institute for Innovative Medicine, Munich, Germany; Prof. Menkes, Cochin Hospital, Paris, France; Prof. E. Radaelli, Ospedale Niguarda - Ca Granda, Milan, Italy; Prof. Fhr. Von Gumppenberg, University School of Medicine, Munich, Germany; Prof. Rainer Breul, Ludwigs Maximilian University School of Medicine, Munich, Germany; Prof. D. Schuppan, University of Erlangen, Germany; Prof. M. Faensen, Auguste-Victoria Teaching Hospital, Berlin, Germany; Prof. M. Sittlinger, Humboldt University, Berlin, Germany; Dr F. Nerucci, A. Fioravanti, C. Toft, K. Riegeschi, Prof. R. Marcolongo, Institute of Rheumatology, University of Siena, Siena, Italy. Over 200,000 patients have been treated and studied to date.*

*Initially, 18 half-hour treatments and then 9 one-hour treatments, (active or placebo in the double-blind and active in the open label studies) were conducted on seventy thousand patients over a ten year period in the USA, Canada and Europe. Pain was evaluated using WOMAC and later OMERACT III validated instruments of outcome measures. Functionality was measured using WOMAC and modified Ritchie scales, as well as global evaluations of improvement by the patient and examining physician.*

*Matched pair tests and other statistical analyses showed extremely significant changes from baseline for the treated patients irrespective of the joint treated. The changes in the placebo patients showed lesser degrees of significance at the end of treatment, and had lost significance for most variables at the one month follow up. The open label analysis and results were consistent with the double-blind results.*

*Pulsed stimulation therapy treatment of the type used in these studies provides extremely effective and safe relief for the chronic and persistent pain resulting from osteoarthritis of the knee, hip, lower back and cervical spine.*