

Medic Information

MBST® NuclearMagneticResonanceTherapy

Professional Publications, Studies,
Articles in Specialized Media,
Published Scientific Lectures and Posters

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1. **Functional Improvement in Finger Joints Arthrosis by MagneticResonance**, Kullich W., Ausserwinkler M., published in: Jatros Orthopädie, official magazine of the ÖGO Austria, Nr. 4/2008, P. 29
2. **Arthrosis and Pain Therapy with MRI**; published in: business magazine for Orthopaedic specialists 6/2008, P. 12
3. **Functional Improvement in Finger Joints Arthrosis by therapeutic use of magnetic resonance**; Ludwig Boltzmann Cluster for Rheumatology, Balneology and Rehabilitation; and the LBI for Rehabilitation of internal diseases, Saalfelden (Director: Univ.-Doz. Dr. W. Kullich)¹ and the Ludwig Boltzmann field office Alzhofen for Rheumatology and Balneology (Director: Univ.-Prof. Dr. H. Bröll)², published in: Orthopädische Praxis 44, 6/2008, P. 287-290
4. **MBST® NMR: Innovation in the treatment of musculoskeletal disorders**; published in: DOV-Magazin, Deutscher Orthopäden Verband e. V., edition May/June 2008, P. 4 – 6
5. **Functional Improvement in Finger Joints Arthrosis by therapeutic use of magnetic resonance**; Kullich w., Ausserwinkler M., Ludwig Boltzmann Institute for Rehabilitation internal diseases, Scientific Poster Presentation at the 56. Annual Convention of the Vereinigung Süddeutscher Orthopäden e. V., 1. – 4. May 2008. Decorated with a Poster Award of the Vereinigung Süddeutscher Orthopäden, Baden-Baden 1. – 4. May 2008.
6. **Chronic Joint Problems: NMR impulses therapeutically used**; Unfallchirurgiezentrum Dr. Peter Valentin, Klosterneuburg Austria, published in: Ärztwoche, Austria, 13. Dezember 2007, P. 14
7. **Use of magnetic resonance as new therapy options for Osteoarthritis**; Mag. Nicola Fagerer, Univ.-Doz. Dr. Kullich, Ludwig Boltzmann Institute for Rehabilitation of internal diseases, Saalfelden, Austria. Published in: Arzt & Praxis, Nr. 927, P. 180-182, May 2007
8. **Decrease in extracellular collagen crosslinking after NMR magnetic field application in skin fibroblasts**; I. Diegel, E. Kuruglan, Pt. Linder, P. Kayser, D. Porst, G. J. Braem, K. Zerlin, G. M. Artmann, A. Temiz Artmann, Fachhochschule Aachen, Campus Juelich, Kompetenzplattform Bioengineering. Published in: Journal of the International Federation for Medical and Biological Engineering, No. 1, January 2007, 45:91-97

9. **Magnetic resonance is able to regenerate cartilage. MBST-NuclearMagneticResonanceTherapy as a useful complement in orthopaedics;** Dr. Wolfgang Klapsch, Spittal, Austria. Published in: *Ärzteweche, Austria*, 7. December 2006, P. 14
10. **The effect of MBST®-NuclearMagneticResonanceTherapy with a complex 3-dimensional electromagnetic nuclear resonance field on patients with Lox Back Pain;** W. Kullich¹, H. Schwann¹, J. Walcher², K. Machreich², ¹Ludwig Boltzmann Institute for Rehabilitation of internal diseases; ²Rehabilitation Centre for Rheumatic and Cardiovascular Diseases, SKA of PVA, Saalfelden, Austria. Published in: *Journal of Back and Musculoskeletal Rehabilitation*, 19 (2006), P. 79-87
11. **Into the Tube for Therapy;** Dr. med. Joachim Overbeck, Orthopaedic Surgeon, Deggendorf; Published in *IGeL Plus Magazin*, No. 2/2006. P. 18
12. **Additional outcome improvement in the rehabilitation of chronic low back pain after nuclear resonance therapy;** W. Kullich, H. Schwann, K. Machreich, M. Ausserwinkler, Ludwig Boltzmann Institute for Rehabilitation of internal diseases, Saalfelden, Austria. Published in: *Rheumatologia* 1/2006, P. 7-12
13. **DOES HAVE LOW-ENERGY NMR AN EFFECT ON MODERATE GONARTHROSIS;** Jansen, H; Brockamp, T; Paletta, JRJ; Ockamn, S; Raschke, M.J; Meffert, FH; Department of Trauma, Hand and Reconstructive Surgery, University Hospital Muenster, Germany. **Scientific lecture and Poster Presentation: The 52nd Annual Meeting of the Orthodaedic Research Society, March 19-22, 2006, Chicago, IL, Congresscatalogue: Abstract and Poster No. 1542**
14. **NuclearMagneticResonanceTherapy improves the successful rehabilitation of chronic back pain;** W. Kullich¹, N. Fagerer¹, K. Machreich², H. Schwann², ¹Ludwig Boltzmann Institute for Rehabilitation of internal diseases, Saalfelden; ²SKA and PVA, Saalfelden: **Scientific Lecture at the Annual Meeting of the Austrian Society for Rheumatology and Rehabilitation, 25.-25. November 2005, Vienna. Published in: Scriptum – Wiener Wochenschrift, P. 11 – 12**
15. **NMR In Vitro Effects on Proliferation, Apoptosis, and Viability of Human Chondrocytes and Osteoblasts;** A. Temiz-Artmann¹, P. Linder, P. Kayser, I. Diegel, G.M. Artmann and P. Lücker, Laboratory for Medical and Molecular Biology, Aachen, University of Applied Sciences, Juelich; Prof. Dr. Lücker, Consulting GmbH, Gruenstadt, Germany. **Published in: Methods and Findings Exp. Clin. Pharmacol. 2005, 27(5), 391-394**
16. **Prospective study over a period of 1 year in respect to the effectiveness of the MBST® - Nuclear Magnetic Resonance Therapy as used during the conservative therapy of Gonarthrosis;** B. Auerbach, A. Yacoub, C. Melzer; Waldkrankenhaus Bad Döben, Fachkrankenhaus für Orthopädie, Orthopädische Praxis, Taucha. **Lecture, Poster Presentation at the 1st Collective Congress Orthopaedic – Accident Surgery, 19.-22. October 2005, Berlin. Published in: Congress Catalogue, Abstract, Poster R2-446**

- 17. MBST[®]-NuclearMagneticResonanceTherapy improves rehabilitation outcome in patients with low back pain;** W. C. Kullich, H. Schwann; Ludwig Boltzmann Institute for Rehabilitation of internal diseases, Rehabilitation Centre for Rheumatic and Cardiovascular Diseases, SKA and PVA, Saalfelden, Austria. **Scientific lecture and Poster Presentation at the EULAR-Congress in Vienna (Austria), June 8.-11. 2005. Published in: The EULAR Journal. Annals of the rheumatic diseases, Annual European Congress of Rheumatology, June 8.-11. 2005, P. 519, Poster No. SAT0355**
- 18. The MBST[®]-NuclearMagneticResonanceTherapy in the case of a 14 year old cerebral paretic patient with activated coxarthrosis;** Dr. Wolfgang Klapsch, Spittal, Austria; **Lecture at the Annual Meeting of the Austrian Society of Orthopaedics, Innsbruck 2005; Congress Catalogue**
- 19. Evaluation of the effectiveness three-dimensional pulsating electromagnetic fields of the MultiBioSignalTherapy (MBST[®]) on the regeneration of cartilage structures;** Froböse, U. Eckey, C. Glaser, F. Englmeier, J. Assheuer, G. Breitgraf; German Sports University in Cologne, Institute for Rehabilitation; University Munich, Klinikum Großhadern, Abteilung für diagnostische Radiologie; University of Munich, Anatomische Anstalt; Institut für Radiologie Cologne; ReAgil Therapy Centre. **Published in: Orthopädische Praxis 8/2000, P. 510-515**