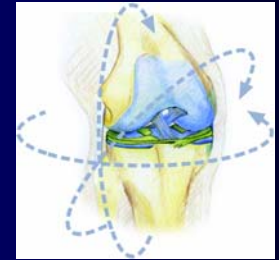
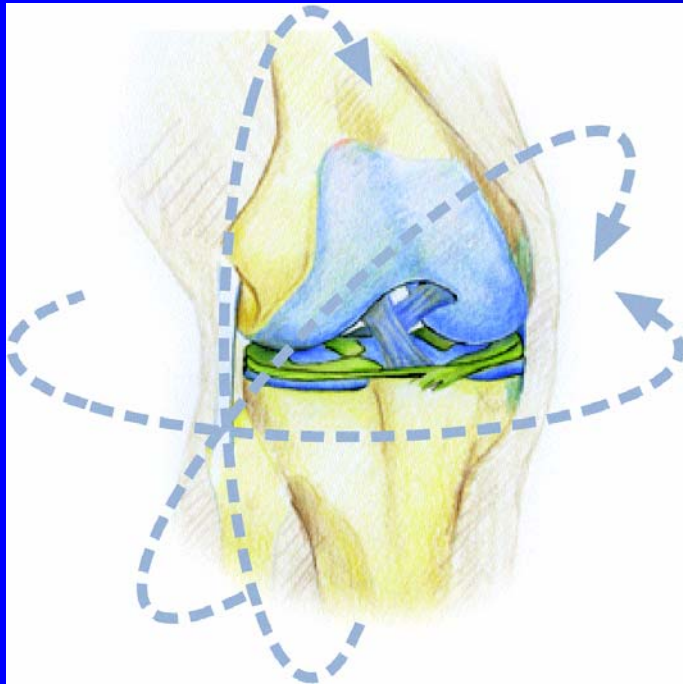


The Active mechanism of MBST - nuclear spin resonance therapy New beginning to the arthrosis therapy

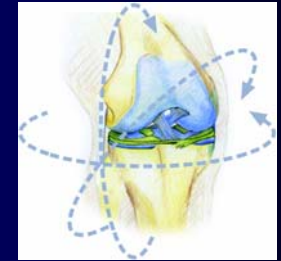


1. Motivation
2. Physical basics
 - Nuclear spin resonance
3. Technological aspects
4. Treatment system
5. Summary and a view in to future

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Gotenweg 51
35578 Wetzlar
Germany



**Treatment
for
Cartilago regeneration**



**„Das richtige
Signal !“**

Physical basics

- Nuclear spin resonance

Nuclear spin resonance

(NMR = Nuclear Magnetic Resonance)

➤ Diagnostic procedures with high resolution pictures
(Nuclear Magnetic Resonance Tomograph)

- high resolution
- strong electromagnetic fields

➤ The effect's leg therapie is not investigated.

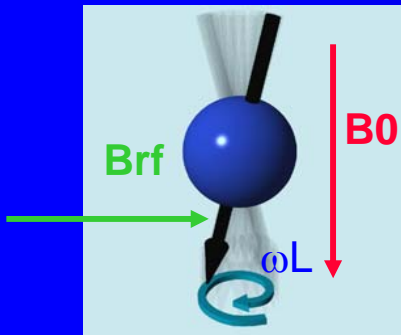
- Beginning: adapt the Elektromagnetic field's Auxillary processes in Cartilage or bones.

Physical bases

- Nuclear spin resonance

Nuclear cores own
Magnetic moment (μ) and
Torque (rotation)

In an external magnetic field (B_0) the nuclear core
Leads precession movements with the Larmor frequency (ω_L) by.
(γ = gyromagnetic ratio)



$$\omega_L \sim \gamma \cdot B_0$$

External rotating electromagnetic field B_1 with
of the Larmor frequency turns: $\omega_{rf} = \omega_L$

Condition: B_0 regardless of B_1
 B_0 orthogonal to B_1

Nuclear spin resonance

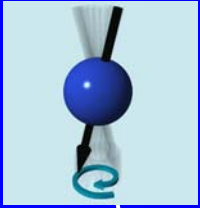
⇒ Rotation of the spinors around 180°

⇒ Resonant energy amount carried over on nuclear cores

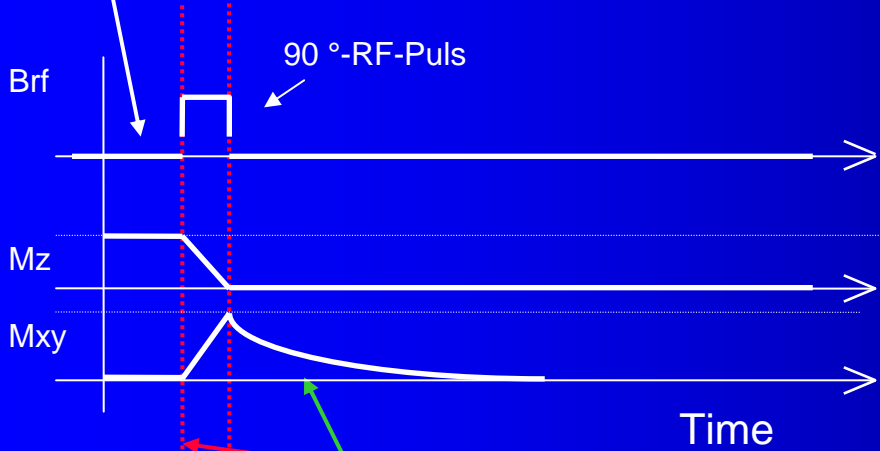
Spin grid relaxation

⇒ Übergabe of the energy of the nuclear core surroundings (= lattice), z. B. Approx.

- Nuclear spin resonance

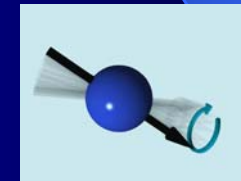
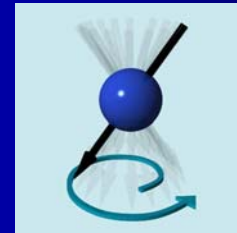


1. Origin state

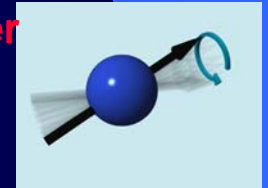


Rotation of the spinning around 180° in the external magnetic field

- Quick Adiabatischer passageway



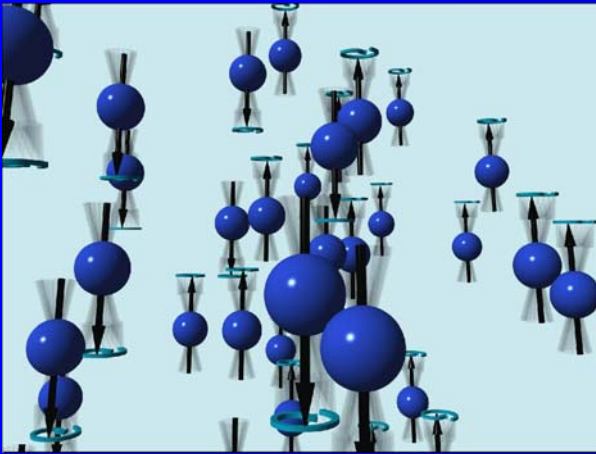
2. Rotation of the rotations
- Energy amount Carried over



3. Spin grid relaxation

- Delivery of energy surroundings, i.e. Approx.)

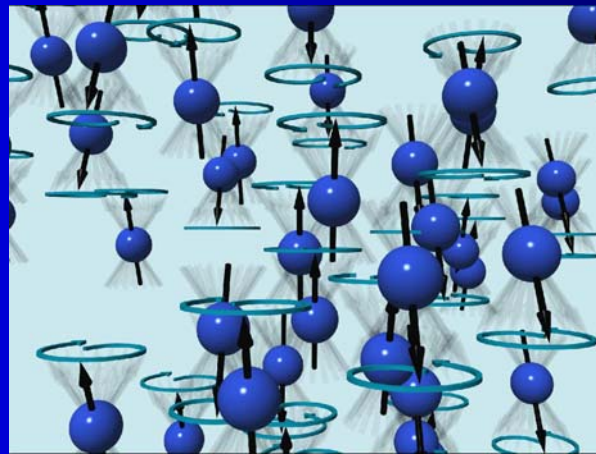
1. Origin state



Rotation of the spinning around 180°
in the external magnetic field

- Quick Adiabatischer passageway

2. Rotation of the rotations
- Energy amount Carried over



3. Spin grid relaxation

- Delivery of energy surroundings, i.e. Approx.)

Technology

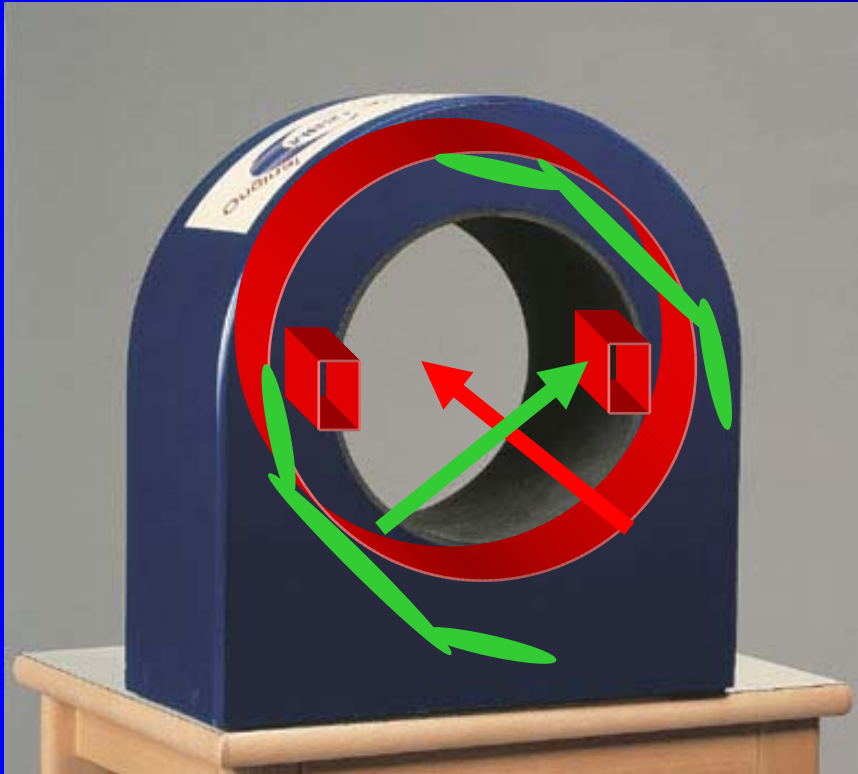
Reel system

Permanentmagnete

(axially field)

Around reel

(axially sweeping)



orthogonaler in addition

Radio frequency reel - NMR

Technology

Reel system

High level complex reel system

Combination from

- Static and
- EM To change fields
 - of each other independently
 - orthogonal

Suggestion of here

Nuclear spin resonance

In the fabric



Technology

Control device



Announcement

Zone of treatment



Map reader

Service

Beginning - sweetly

μ - controller steered treatment

- Implementing of the newest research results
- Constant quality of the treatment guarantees
- False service impossible

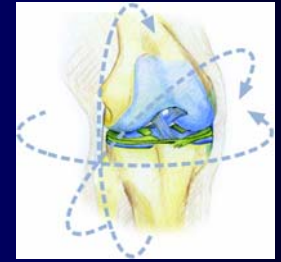
Of system of treatment



Backbone and pelvic belt



Summary

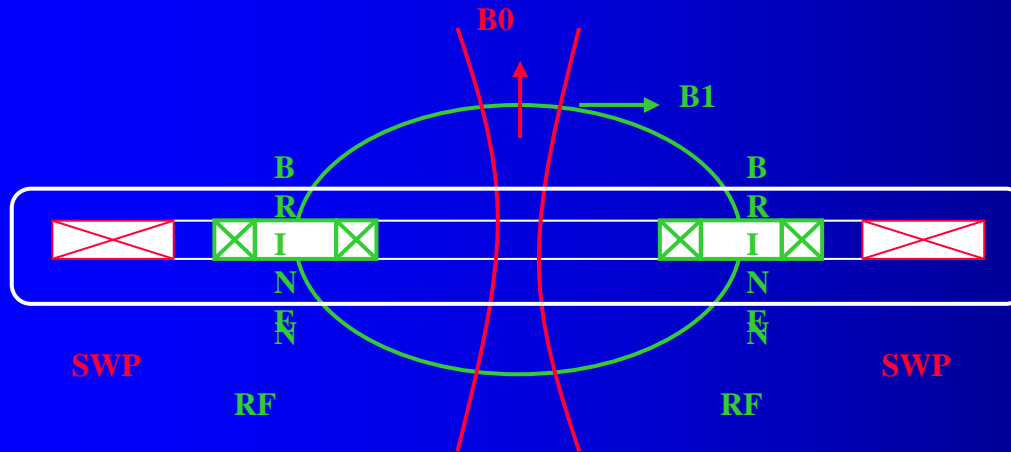
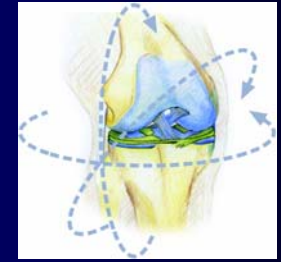
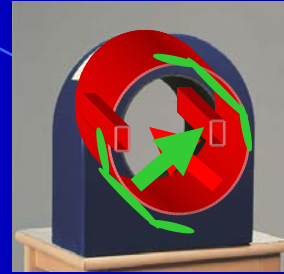


- **New therapy for arthrosis in quick to all stages**
- **Painless and invasive ones**
- **Resonance frequency belonging to body**
- **Nuclear spin resonance**

- **Scientific investigations cover**
Effectiveness of the treatment them

View

Nuclear spin resonance
draft
in a level?



- Osteoporosis treatment
- Pine arthrosis treatment
- Dental treatment - Quickened Established itself from cog implant
- Jawbone construction
- Tinnitus treatment