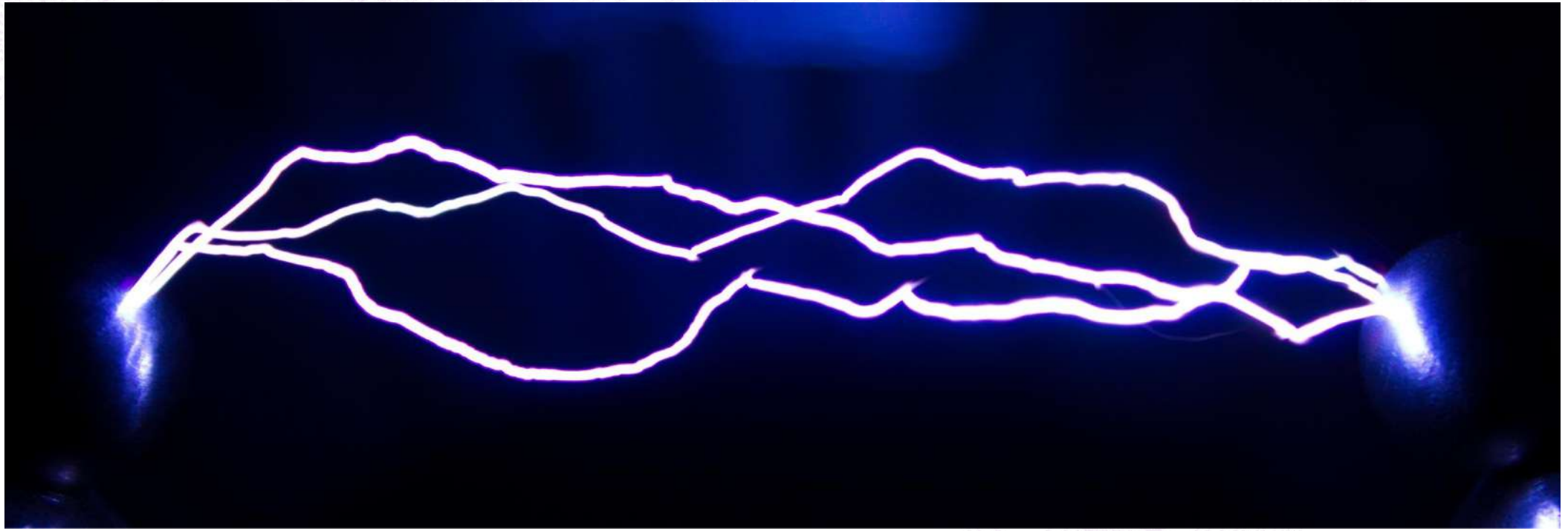
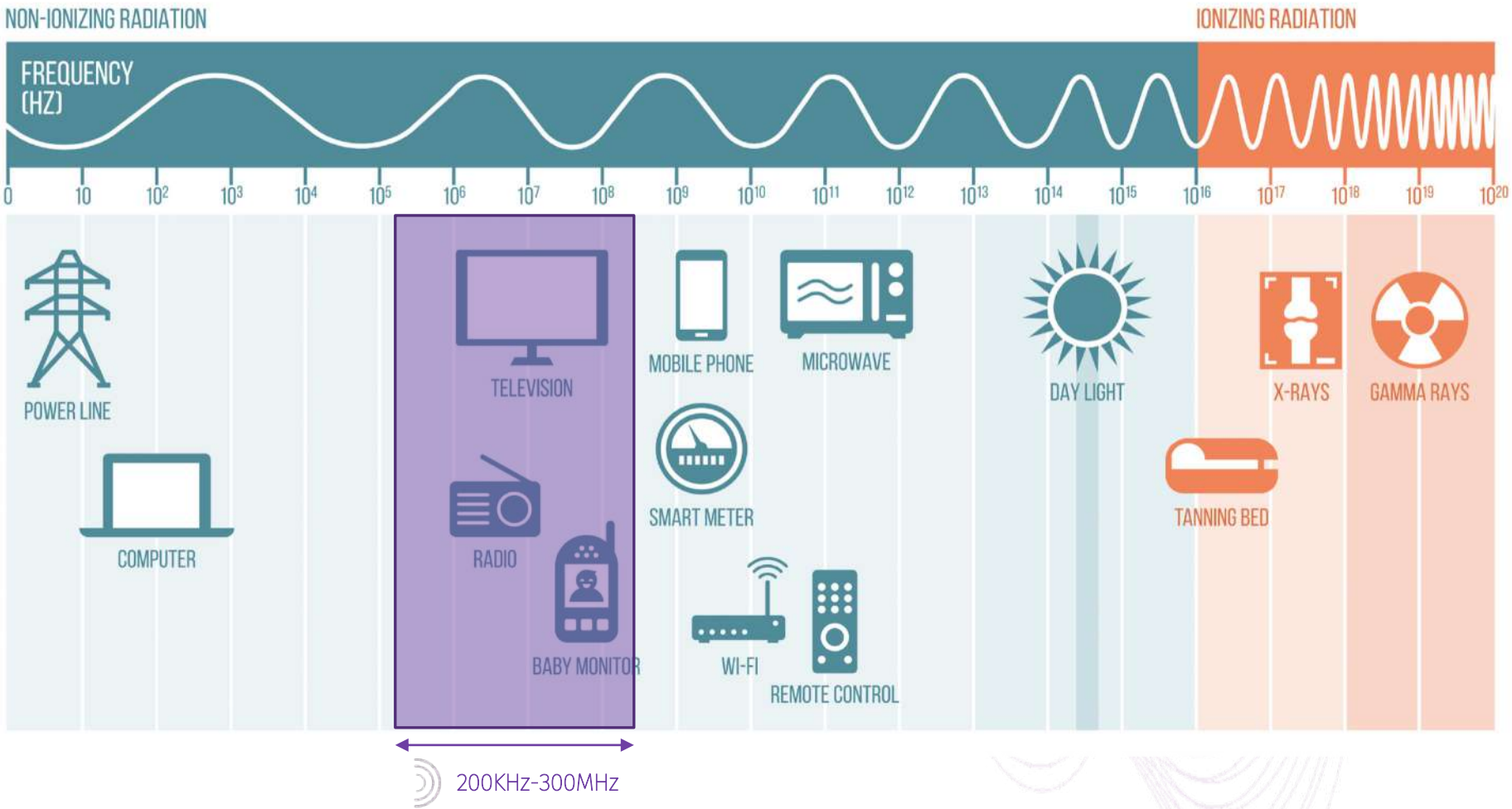
Ion-Induction-Therapy (IIT)

The Physical Cell Therapy

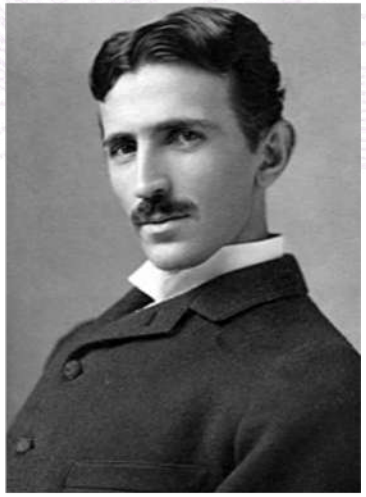
papimi IIT Technology



THE ELECTROMAGNETIC SPECTRUM

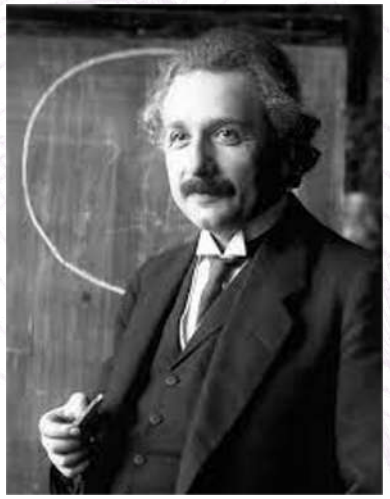


Great Minds



Nikola Tesla
(1856-1943)

Georges Lakhovsky
(1869-1942)



Albert Einstein
(1879-1955)

Royal Rife
(1888-1971)

Panos Pappas
(1947-now)

What makes IIT so effective?

HIGH POWER

40.000 V

10.000 A

25cm
penetration

SHORT PULS DURATION

Pulse rise time
5 µs

Total puls duration
50 µs

SPARK GAP

Plasma chamber

Natural Eigenfrequencies

Unique puls-spectrum

GREAT BANDWIDTH

Bandwidth
200 kHz - 300 MHz

MULTIPLE APPLICATORS

Ring
Spiral M & XL
Fullbody

Puls Duration – The key to induction

papimi	other PEMF devices
50µs	from 240µs

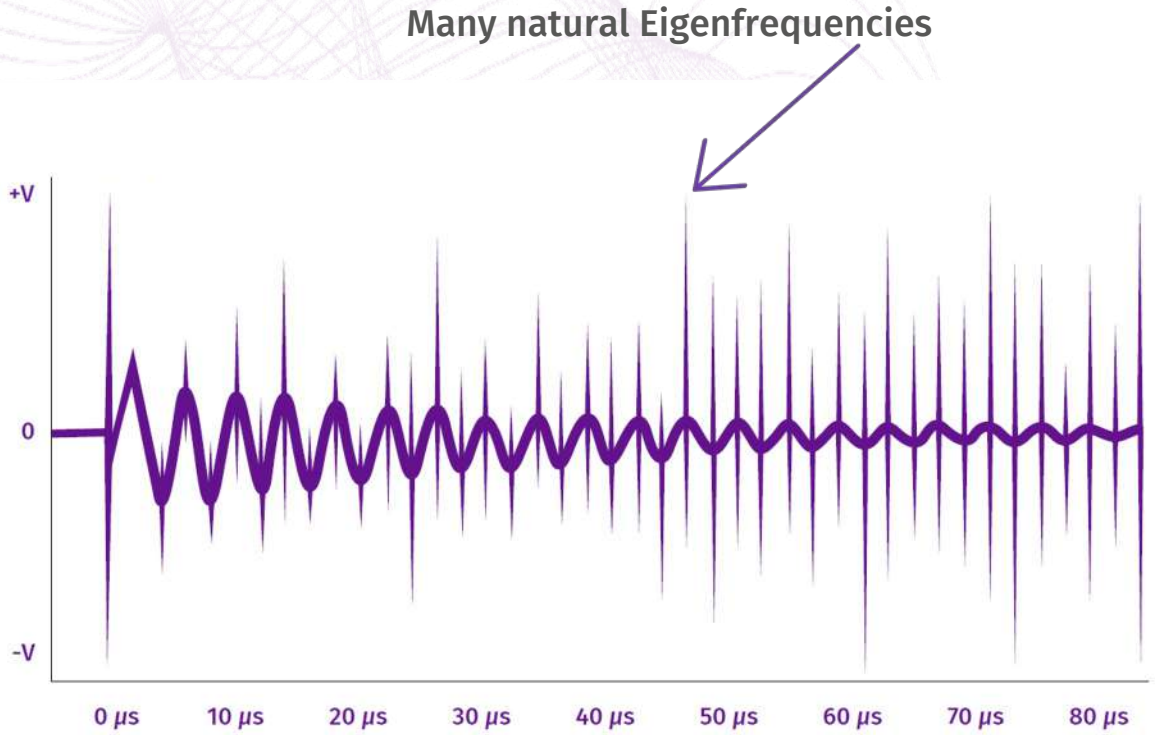
Faraday's Law of Induction

$$\mathcal{E} = -\frac{d\Phi_B}{dt}$$

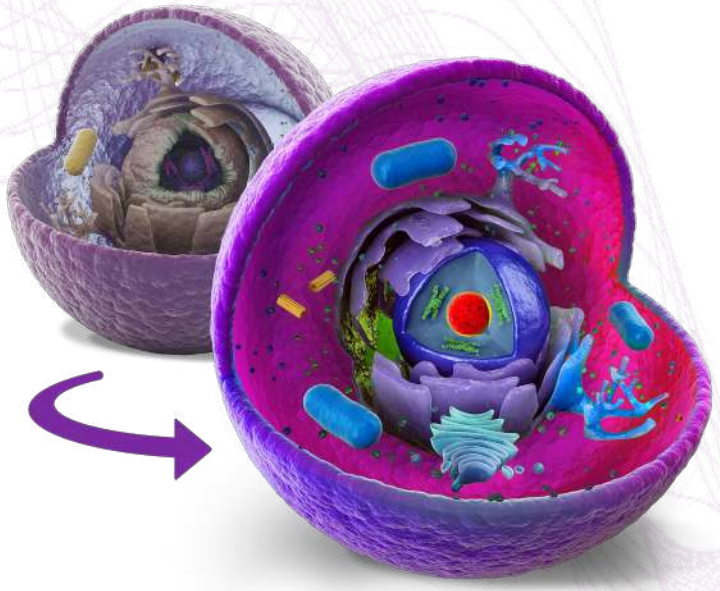
Bandwidth Theorem

$$\Delta f = \frac{1}{\Delta t}$$

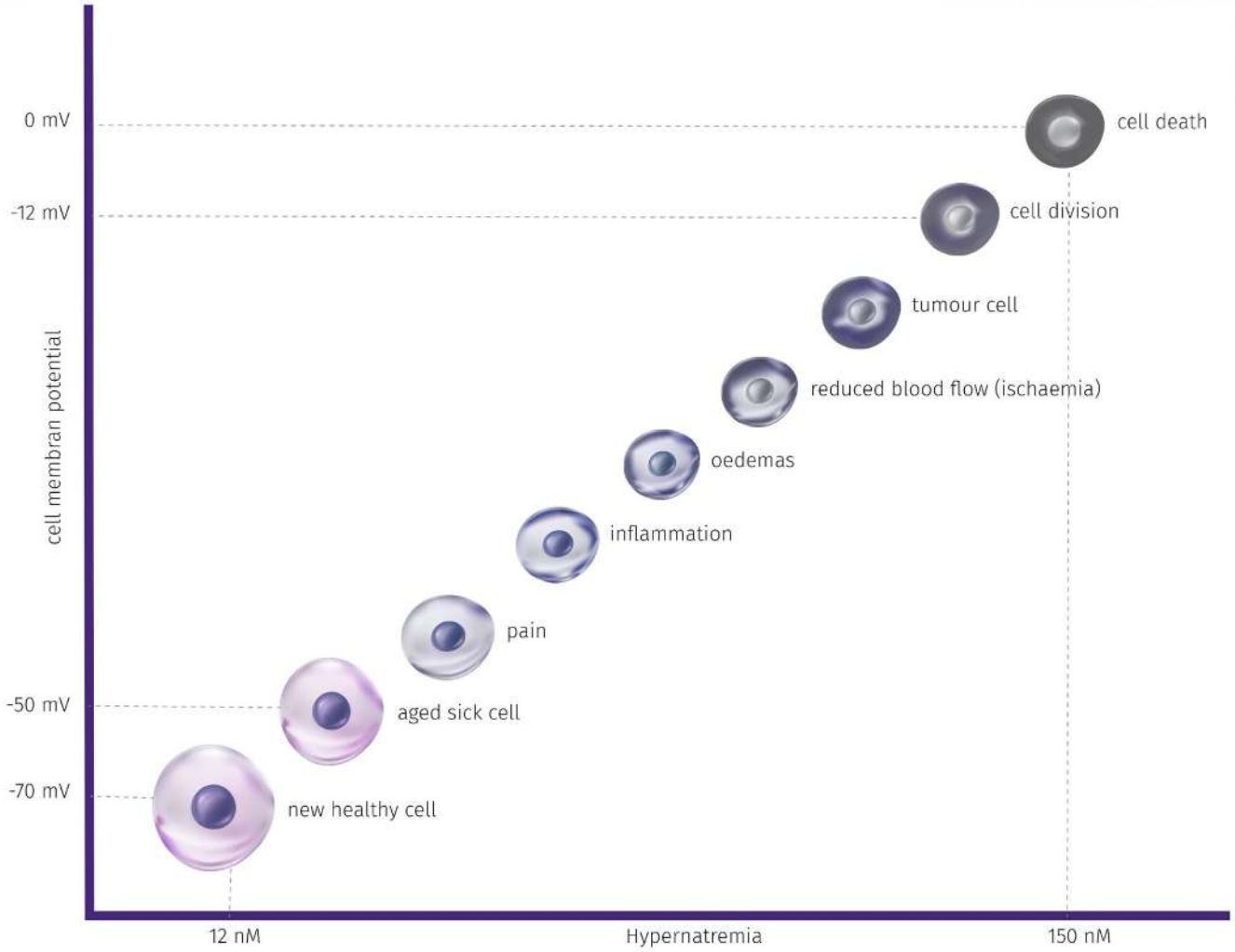
Natural Spectrum



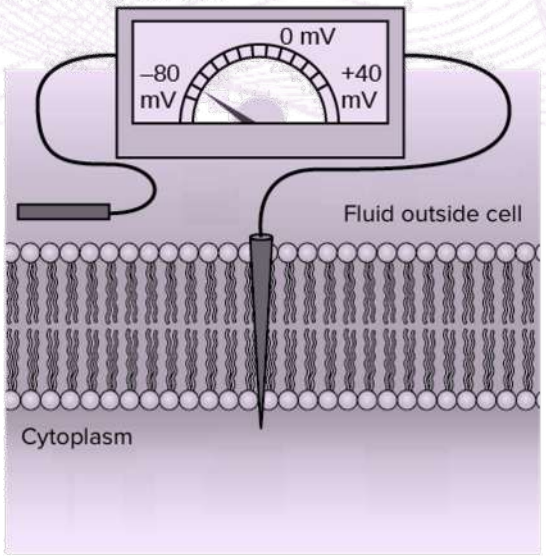
How IIT works on the cell



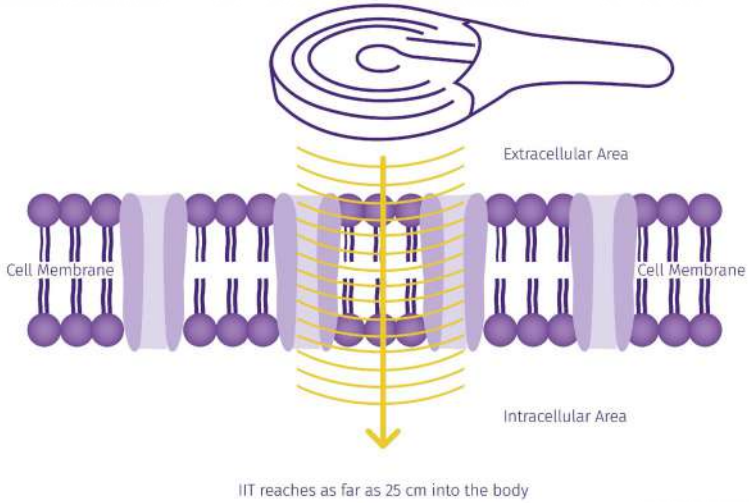
The cell's membrane potential is vital to its functionality.

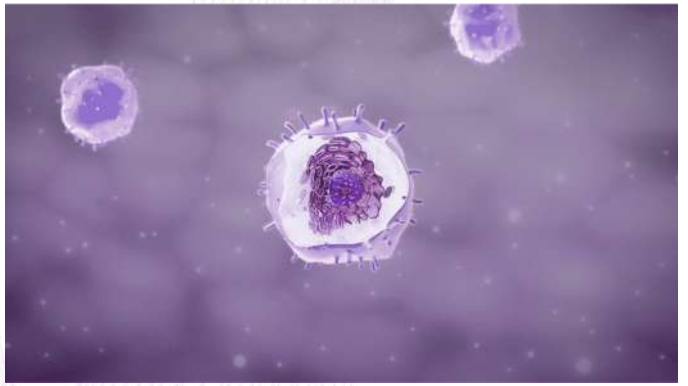


IIT charges the cell's membrane potential

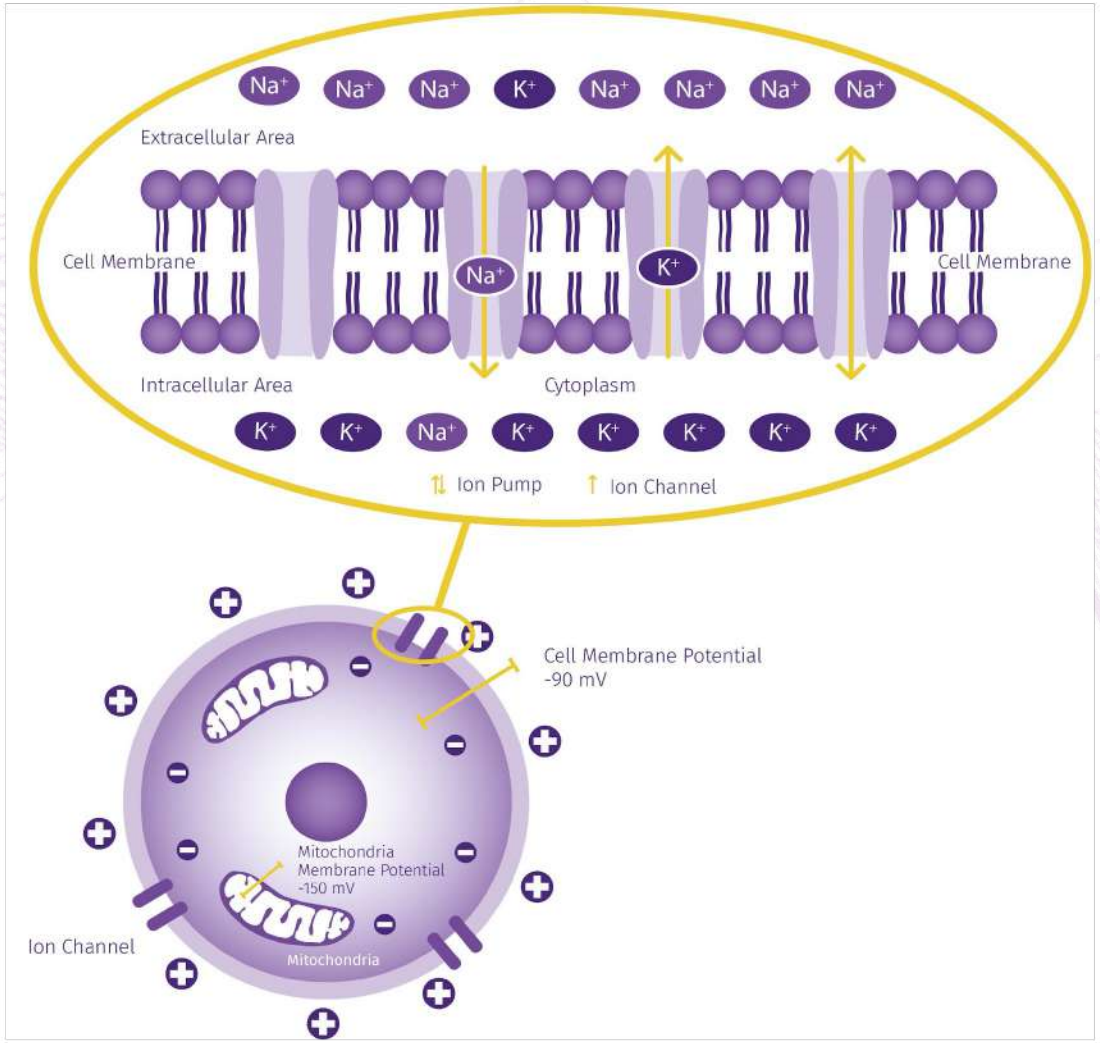


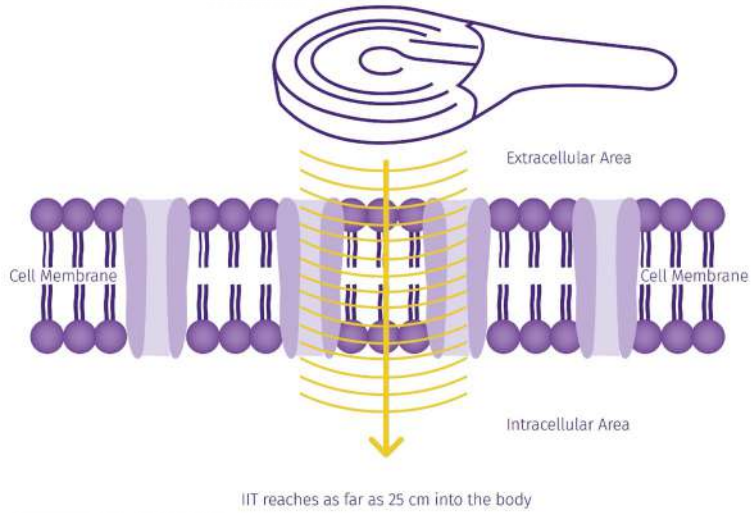
Cell membrane potential (studylib.net)





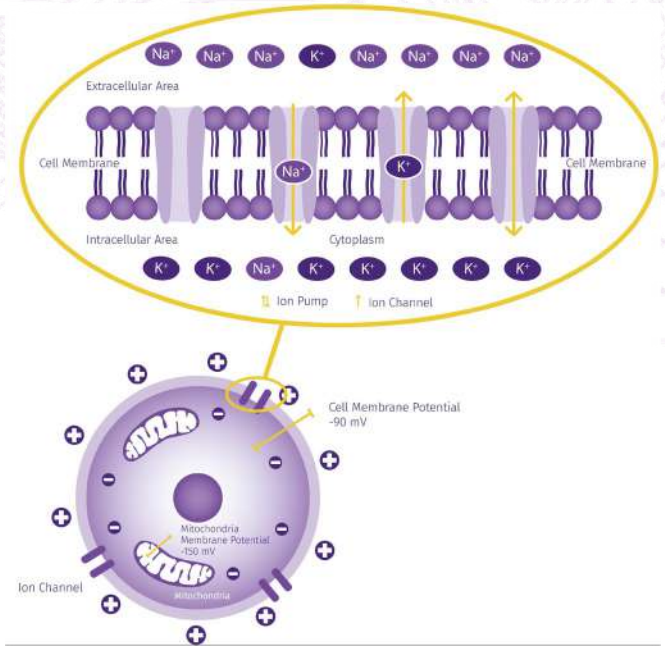
Ion transport



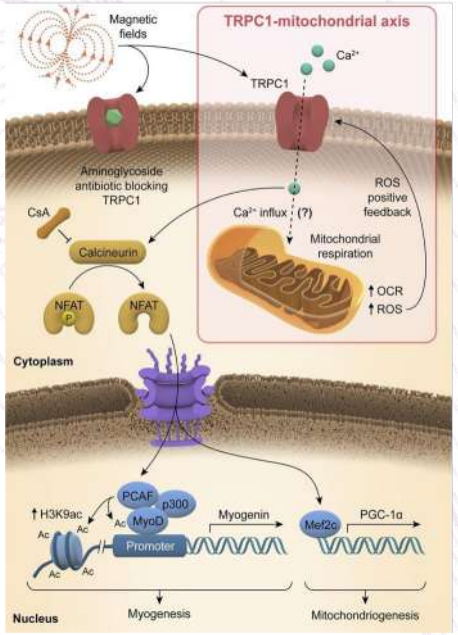


https://slidetodoc.com/neurophysiology-the-electrical-and-chemical-processes-within-neurons/

Cell wall & ATP-Production



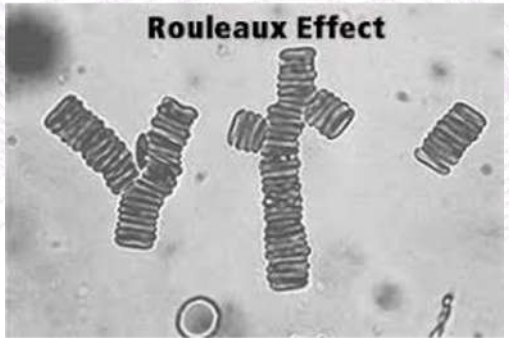
Ion transport is regulated.

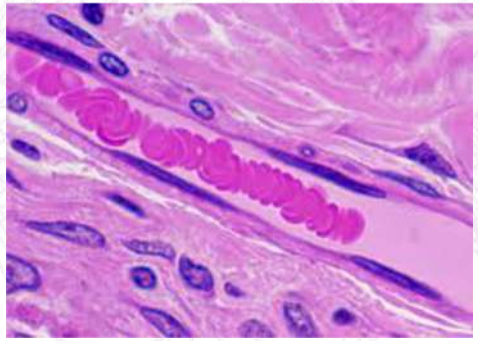


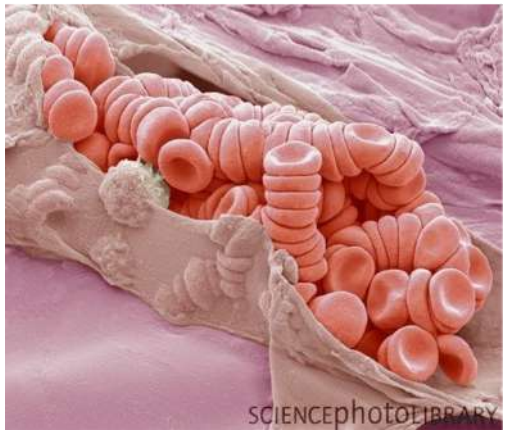
IIT triggers signaling pathways that stimulate the Mitochondriogenesis.

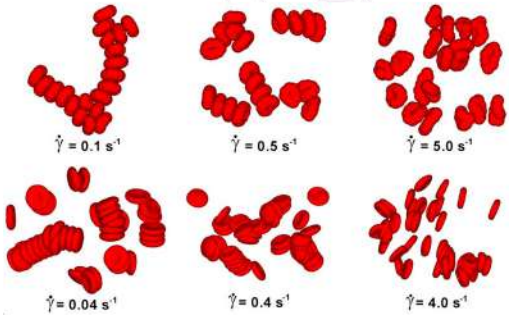
A healty membrane potential of -70mV is restored.

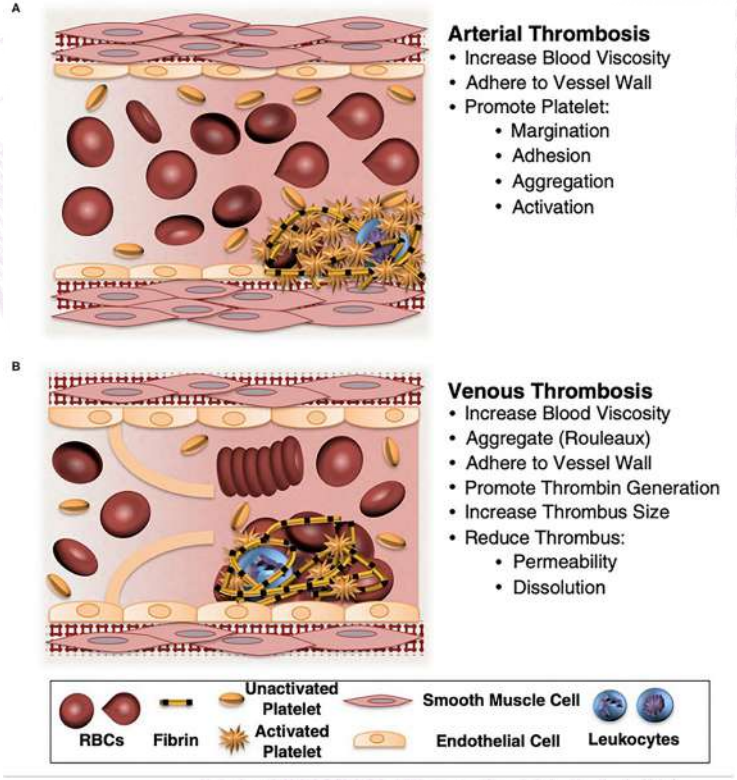
Rouleaux Effekt



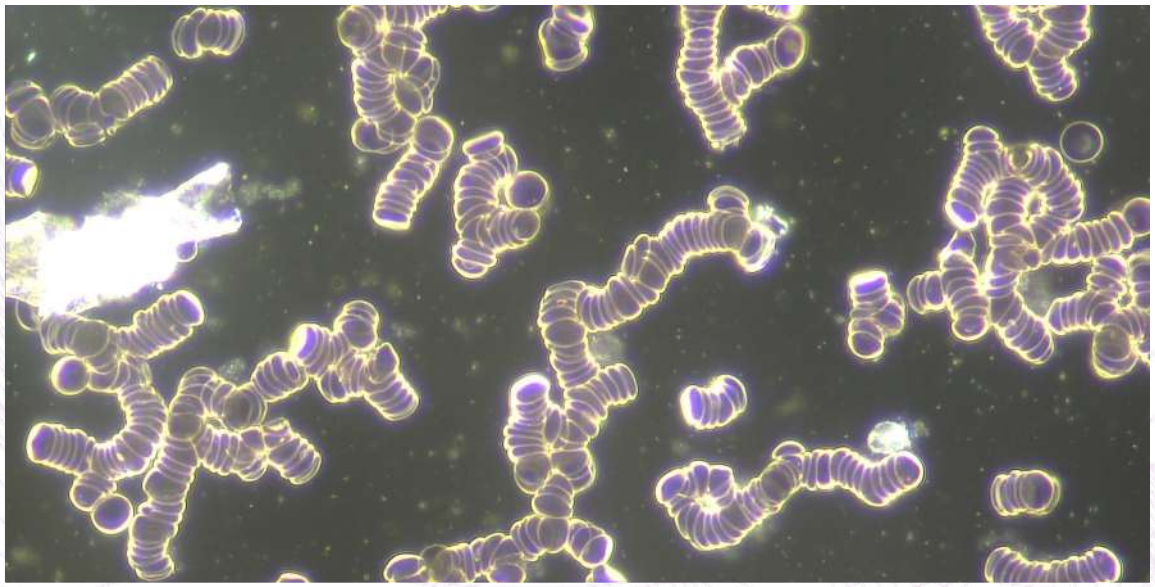




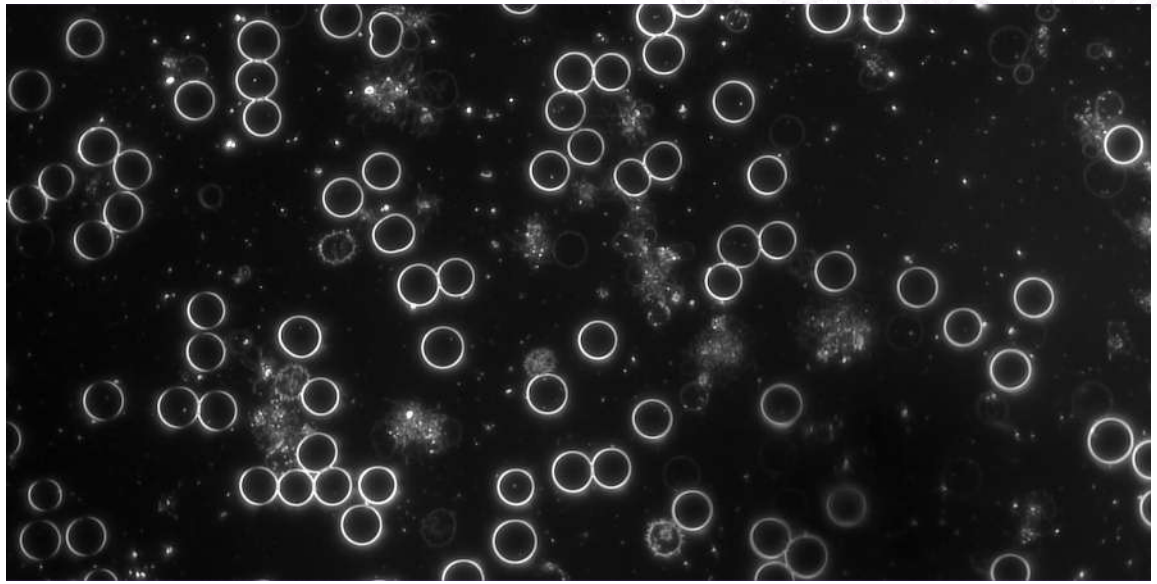




before IIT



after IIT

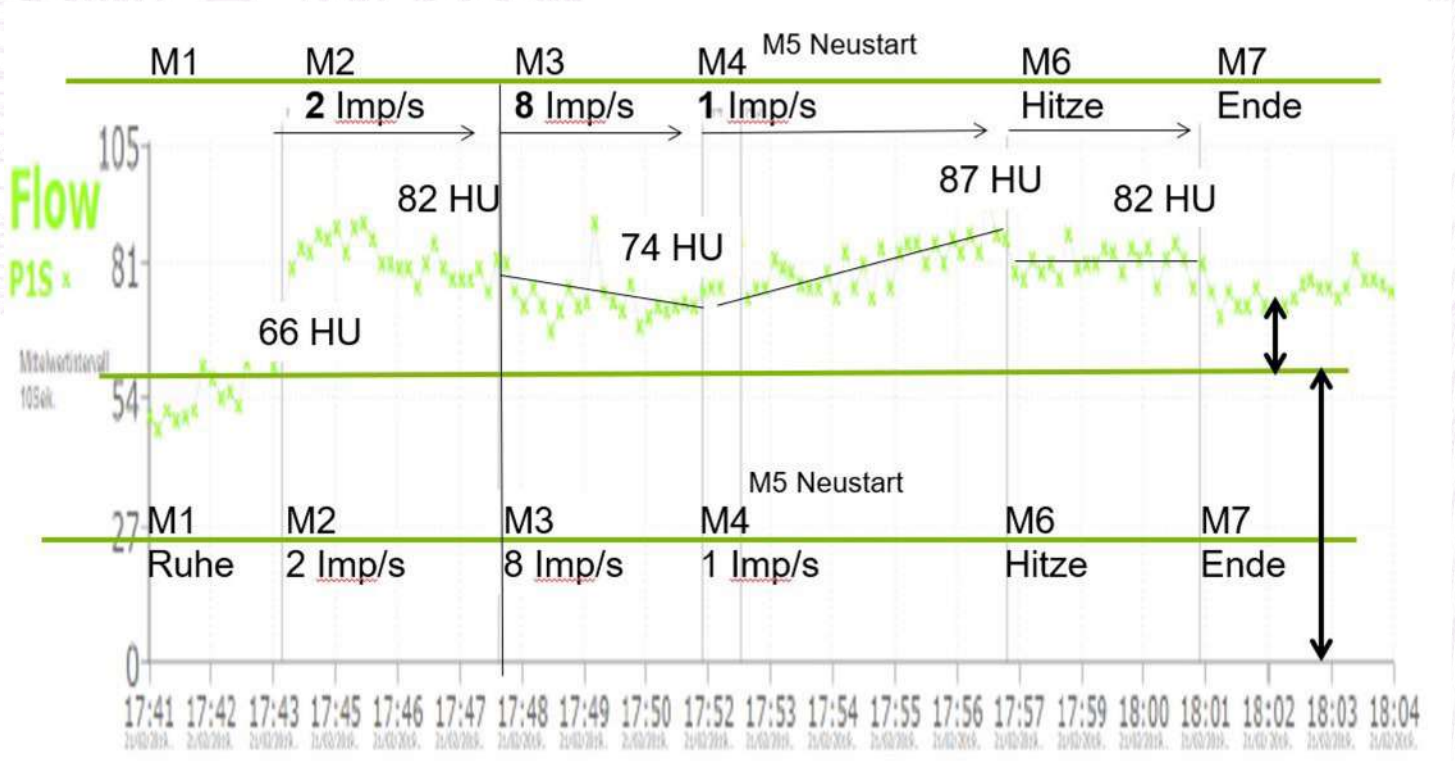


© Prof. Dr. Thomas Rau

Effects in Darkfield Microskopy

Money-rolls vs. singular round blood cells after 15min of IIT.

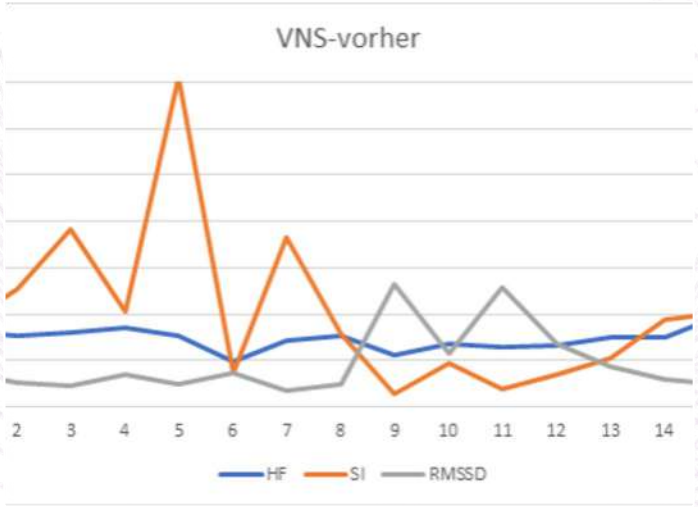
The effect on microcirculation

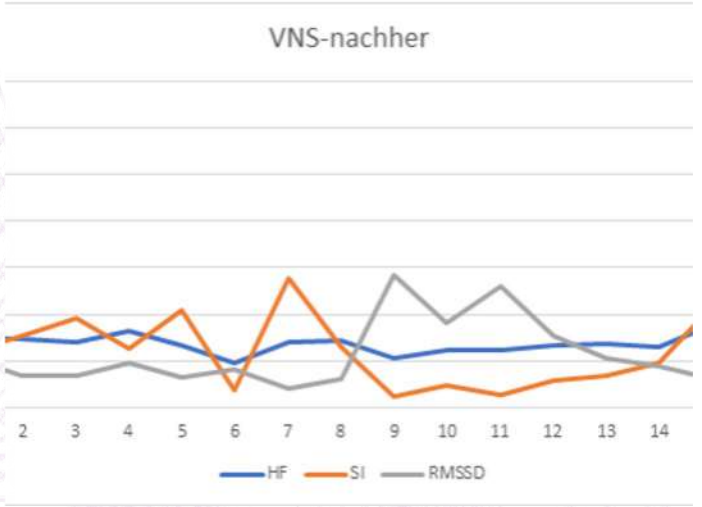


Measurement of the microcirculation by means of a laser Doppler spectrophotometry system (Oxygen-to-see (O2C)) from LEA-Medizintechnik, Giessen, during a high-PEMF intervention using the PAPIMI® device. Reference: Sportärztezeitung 05/2019 edition

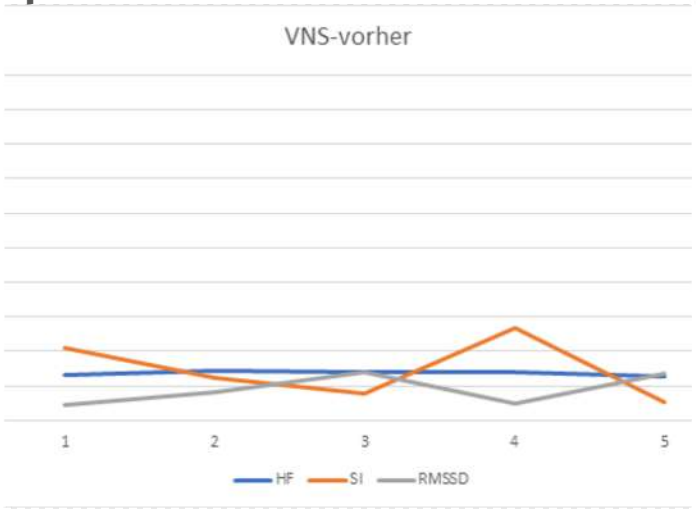
IIT promotes microcirculation and reduces unspecific back pain.

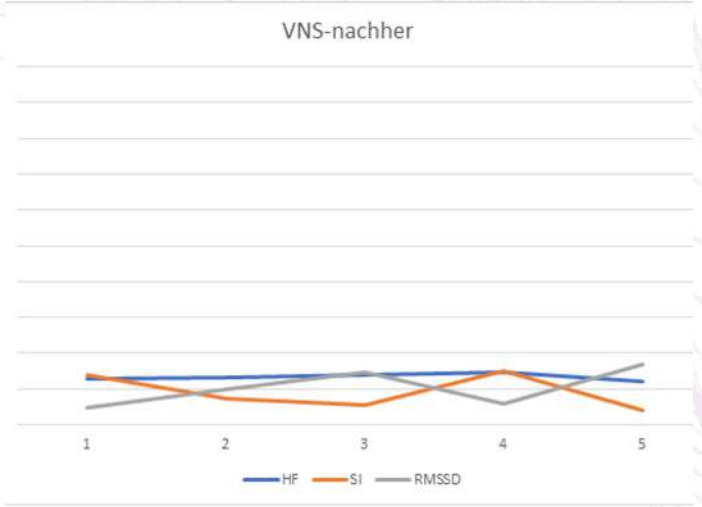
papimi





placebo



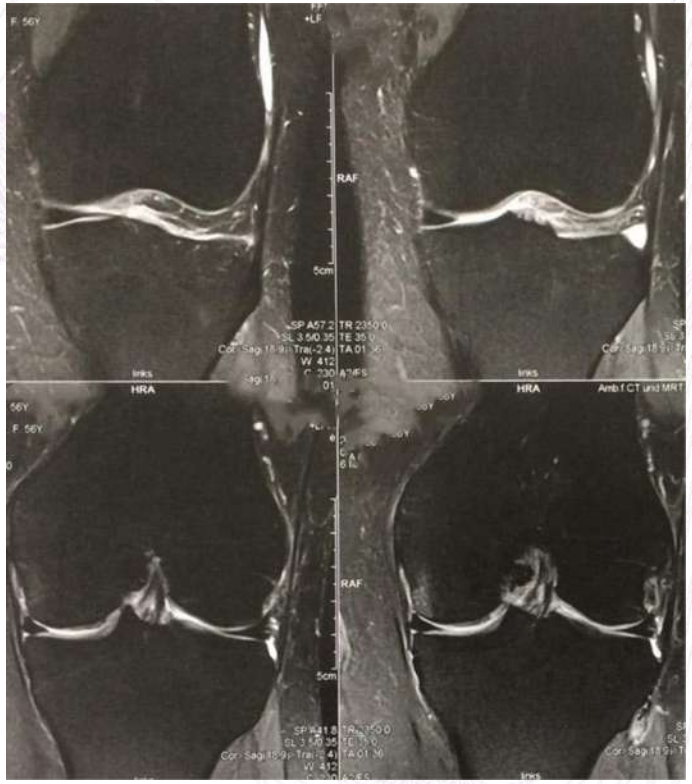


Heart Rate Variability (HRV)

IIT regulates the balance between the parasympathetic sympathetic nervous system.

Bone Marrow Oedema after 10 papimi IIT sessions

© Dr. med. Wolfgang Hagel



© Dr. med. Wolfgang Hagel

POST-COVID CASE STUDY MEDICAL UNIVERSITY OF VIENNA

MEDIZINISCHE UNIVERSITÄT WIEN

Successful application of pulsed electromagnetic fields in a patient with post-COVID-19 fatigue: a case report

Barbara Wagner · Margarete Steiner · Lovro Markovic · Richard Crevenna

Erfolgreiche Anwendung von gepulster Magnetfeldtherapie bei einer Patientin mit Post-COVID-19-Erschöpfungssyndrom: ein Fallbericht

Zusammenfassung

Grundlagen Das Post-COVID-19-Erschöpfungssyndrom ist ein häufiges Syndrom nach COVID-19, das die vollständige Genesung und möglicherweise auch die Rückkehr in den Arbeitsprozess erheblich einschränkt. In der bisherigen wissenschaftlichen Literatur wurde noch nicht über den Einsatz gepulster Magnetfelder bei dieser Indikation berichtet.

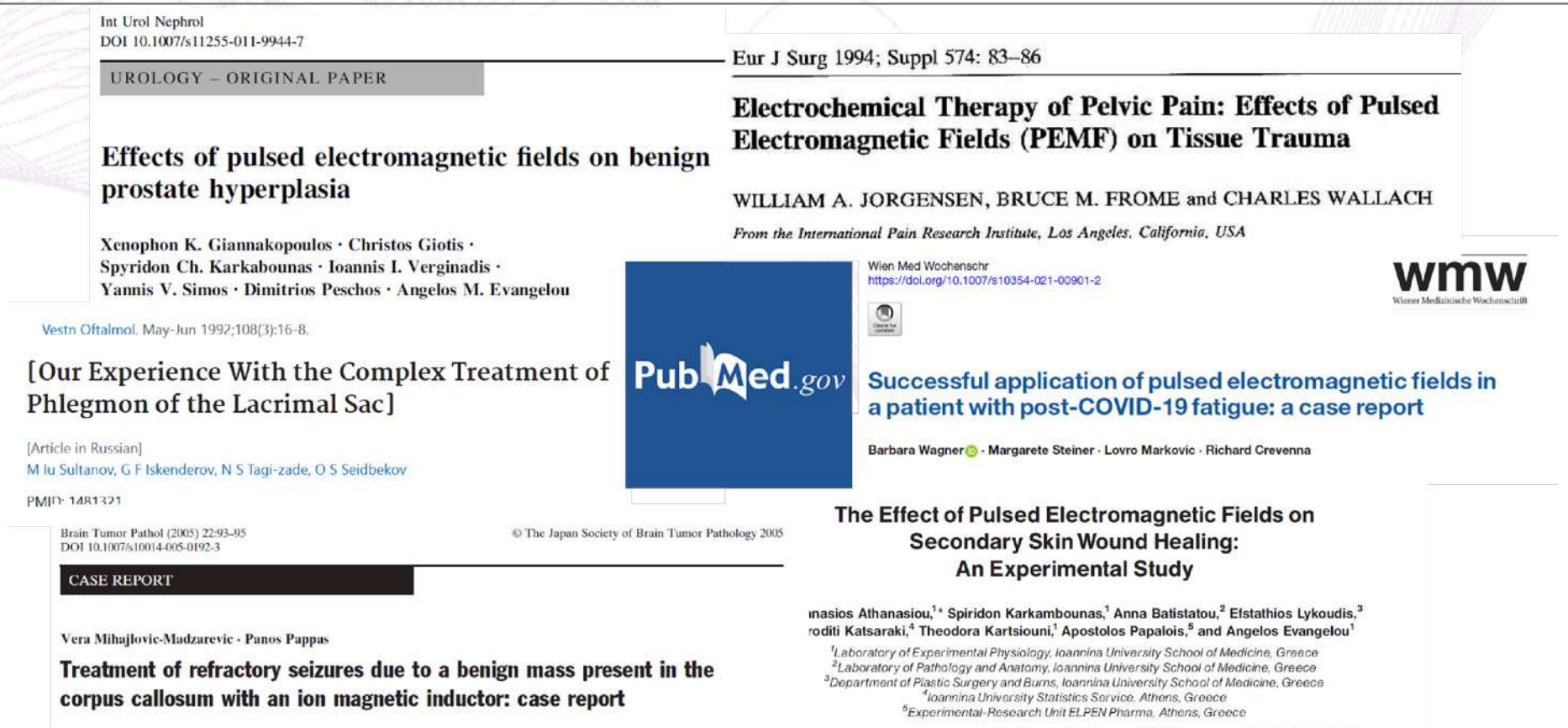
Methodik Eine Patientin, die an einem Post-COVID-19 Erschöpfungssyndrom litt, wurde über einen Zeitraum von 5 Wochen mit 10 Einheiten gepulster Magnetfeldtherapie von hoher magnetischer Flussdichte behandelt. Müdigkeit, Arbeitsfähigkeit, Lebensqualität, Ängstlichkeit, Depression, Stressniveau und Resilienz wurden mittels validierter Fragebögen erfasst.

Ergebnisse Die Müdigkeit, Arbeitsfähigkeit, Lebensqualität und das psychische Wohlbefinden besserten sich im Verlauf der Behandlung deutlich und zeigten auch 6 Wochen später stabile Ergebnisse.

Schlussfolgerungen Die Anwendung der gepulsten Magnetfeldtherapie mit einem Gerät, das eine ausreichende Eindringtiefe in das Körpergewebe ermöglicht, könnte eine vielversprechende physikalische Methode zur Behandlung des Erschöpfungssyndroms nach COVID-19 sein, um die gesundheitlichen und wirtschaftlichen Folgen der Erkrankung zu reduzieren. Klinische placebokontrollierte Studien sind notwendig, um die Wirkung gepulster Magnetfeldtherapie in dieser Indikation zu erforschen.

Schlüsselwörter Magnetfeldtherapie · PEMF · Ioneninduktionstherapie · Long-COVID-Syndrom · Rehabilitation

Further studies



Int Urol Nephrol
DOI 10.1007/s11255-011-9944-7

UROLOGY – ORIGINAL PAPER

Effects of pulsed electromagnetic fields on benign prostate hyperplasia

Xenophon K. Giannakopoulos · Christos Giotis · Spyridon Ch. Karkabounas · Ioannis I. Verginadis · Yannis V. Simos · Dimitrios Peschos · Angelos M. Evangelou

Eur J Surg 1994; Suppl 574: 83–86

Electrochemical Therapy of Pelvic Pain: Effects of Pulsed Electromagnetic Fields (PEMF) on Tissue Trauma

WILLIAM A. JORGENSEN, BRUCE M. FROME and CHARLES WALLACH

From the International Pain Research Institute, Los Angeles, California, USA

Vestn Oftalmol. May-Jun 1992;108(3):16-8.

[Our Experience With the Complex Treatment of Phlegmon of the Lacrimal Sac]

[Article in Russian]
M Iu Sultanov, G F Iskenderov, N S Tagi-zade, O S Seidbekov

PMID: 1481321

PubMed.gov

Wien Med Wochenschr
https://doi.org/10.1007/s10354-021-00901-2

wmw
Wiener Medizinische Wochenschrift

Successful application of pulsed electromagnetic fields in a patient with post-COVID-19 fatigue: a case report

Barbara Wagner · Margarete Steiner · Lovro Markovic · Richard Crevenna

Brain Tumor Pathol (2005) 22:93–95
DOI 10.1007/s10014-005-0192-3

© The Japan Society of Brain Tumor Pathology 2005

CASE REPORT

Vera Mihajlovic-Madzarevic · Panos Pappas

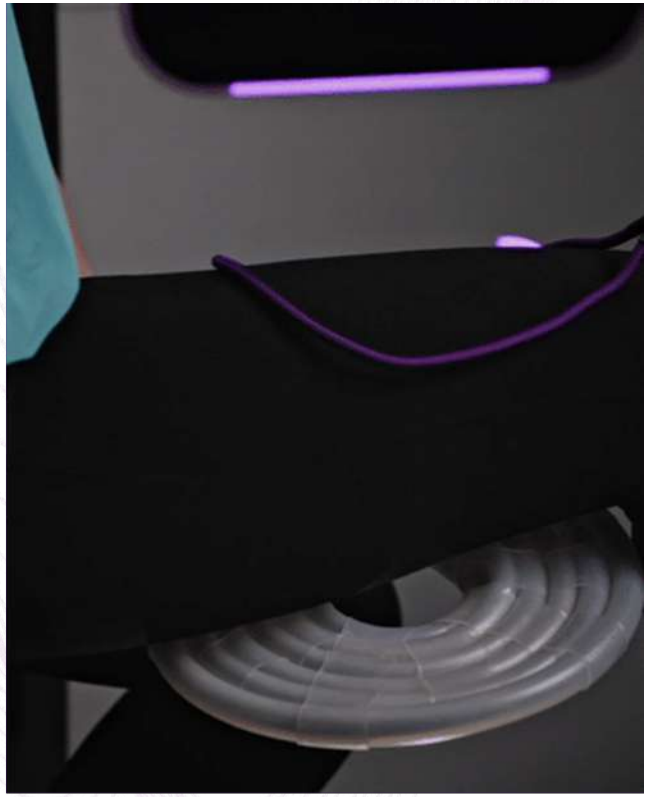
Treatment of refractory seizures due to a benign mass present in the corpus callosum with an ion magnetic inductor: case report

The Effect of Pulsed Electromagnetic Fields on Secondary Skin Wound Healing: An Experimental Study

ınasios Athanasiou,[1]* Spiridon Karkambounas,[1] Anna Batistatou,[2] Efstathios Lykoudis,[3] roditi Katsaraki,[4] Theodora Kartsiouni,[1] Apostolos Papalois,[5] and Angelos Evangelou[1]

[1]Laboratory of Experimental Physiology, Ioannina University School of Medicine, Greece
[2]Laboratory of Pathology and Anatomy, Ioannina University School of Medicine, Greece
[3]Department of Plastic Surgery and Burns, Ioannina University School of Medicine, Greece
[4]Ioannina University Statistics Service, Athens, Greece
[5]Experimental-Research Unit ELPEN Pharma, Athens, Greece

In action



Working with IIT

Applicator Types

RING

FULL BODY

SPIRAL

IIT procedure

Screen

At first papimi is used as a diagnostic tool by scanning the whole body for sensitive regions and problematic zones.

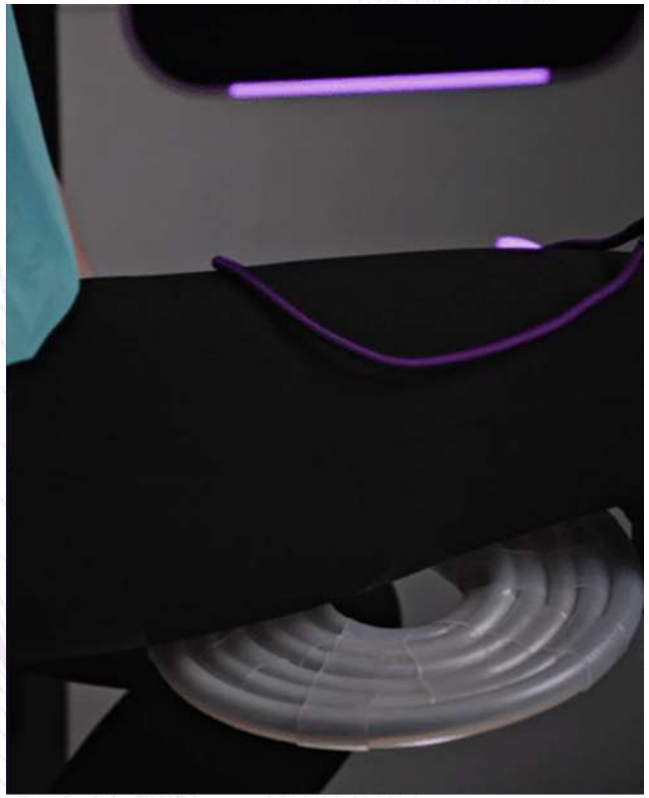
Adjust

The doctor adjusts the dosage of ion-induction according to the patient's feedback, thus enabling a painless therapy and the greatest possible effect.

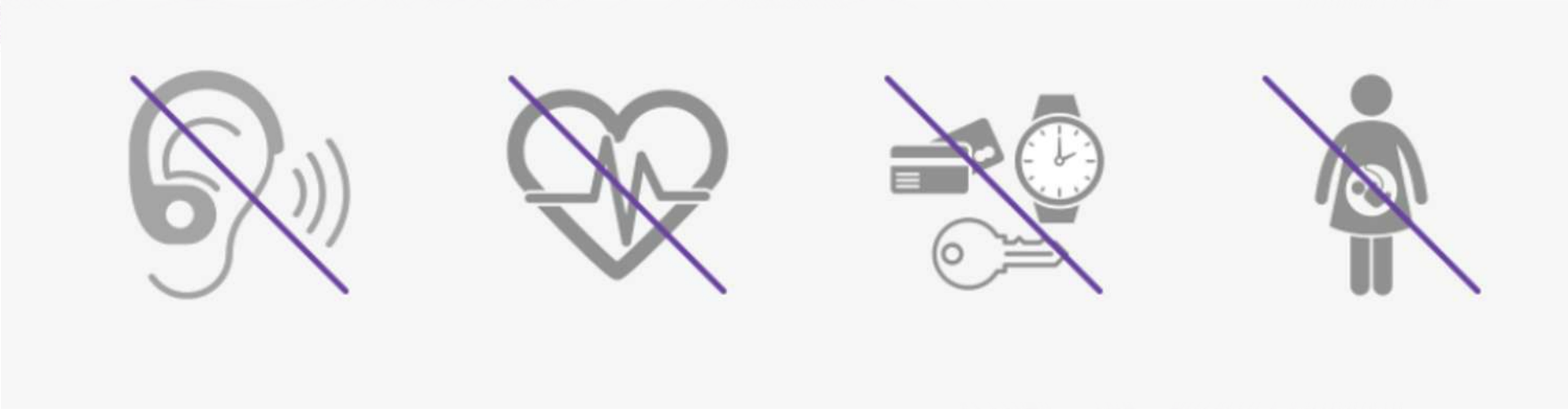
Indiv. Protocol

The applicator is held close to the affected body region(s) in order to carry out the ion induction. Depending on the patient's needs, the distances are adjusted, and individual applicators are used.

Strengths & Limitations



Contra-Indications & Side-Effects



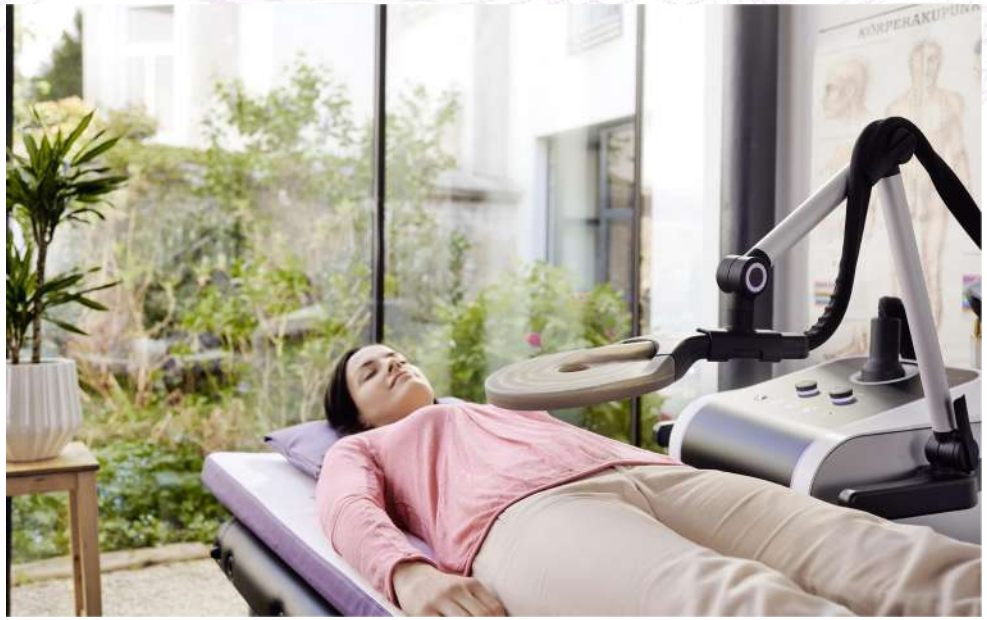
papimi experts

User Support

Connect with other users and exchange valuable experiences.

Modes of IIT

HANDS-FREE INDEPENDENT



WORKING TOGETHER

Effective combinations include:

- Diagnosis and localization
- Physical therapy / osteopathy: (massages, acupuncture, vibration)
- Regulatory medicine: Infusion, inhalation and heat therapy: (Ozone, molecular H2, IHHT, hyperthermia, vit. C, etc.)
- Operations: (pre- and post-operative)
- Accompanying sport and rehabilitation

IIT in a nutshell

Effective game changer and booster to your existing concept.

Works on a cellular level and adresses the cause of a disease.

Gives your patients quality of life.

Thank you!

Presenter‘s name

Presenter‘s contact

www.papimi.com