INDIBA®
revitalizing lives

Animal Health

Our technology

INDIBA® specializes in administering highly effective radiofrequency treatments based on the specific benefits of the 448 kHz frequency. The effects provided by this frequency are supported by extensive scientific research that evidence that it is the optimal frequency for tissue repair.

INDIBA® radiofrequency works to benefit the health and recovery of patients using two main methods. The first is its ability to increase the heat of body tissues, a process called diathermy.

The second is that INDIBA®'s technology generates unique and clinically proven effects on cell structure, stimulating and accelerating tissue repair mechanisms.

It is this dual-action system that makes INDIBA® so versatile and effective in treating a broad range of indications.

INDIBA® radiofrequency technology:

- **Creates thermal and sub-thermal effects.**
- **Has unlimited treatment depth thanks to a closed-circuit system.**
- **Can be used as frequently as desired on large body areas.**
- **Is compatible with other rehabilitation techniques and therapies.**

We revitalize animal's lives

SAFE
Current will only flow through the patient when contact is optimal

EASY TO USE
Each device has user-friendly and intuitive programs

PRECISE
Device attachments and specific controls make treatments highly targeted

PERSONALISED TREATMENTS
Therapies can be tailored by device protocols to specific injuries

ROBUST
All devices are made of high-quality, durable materials and components

VERSATILE
A range of accessories can be attached to make treatments adaptable

Indications and general applications

Pain management
- Sacroiliac joint
- Arthritis and Osteoarthritis
- Superficial and deep neck muscles
- Dorsal and paravertebral muscles
- Superficial and deep gluteal muscles

Rehabilitation
- Tendinitis
- Desmitis
- Bursitis
- Muscle tears
- Sprains

Accelerated recovery and post-surgery
- Joint chips and fragments
- Post-op recovery
- Pain management
- Fractures and fissures

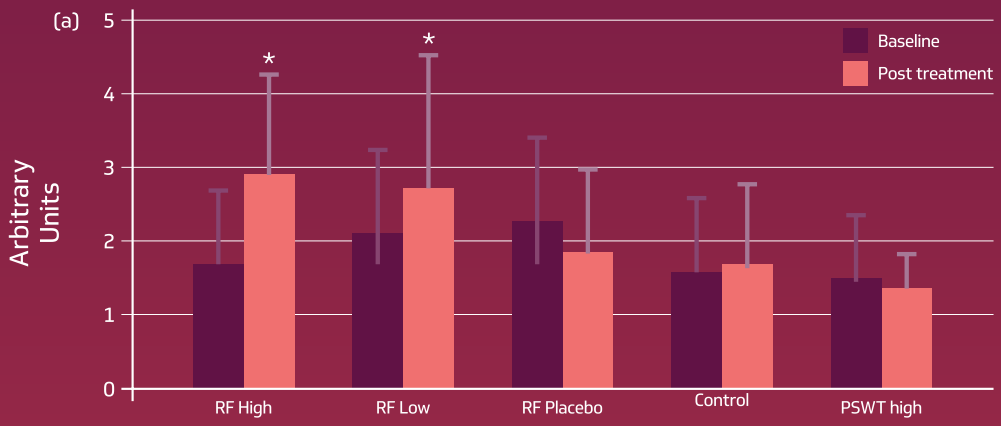
Injury prevention and management of sport horses
- Pre-exercise conditioning
- Relaxation and recovery after exercise
- Management of muscle pain, trigger points, contractures

Research

Adipose – Derived Stem Cell Proliferation (in vitro)

Treatment with 448kHz electric stimulus increased cartilage specific collagen type II by 51% and glycosaminoglycans by 20% in respect to sham control groups.

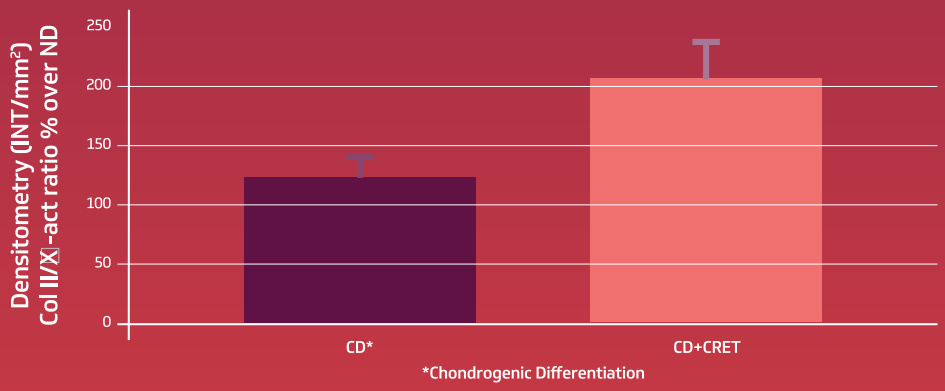
Hernández-Bule, M.L., et al. (2017). "Chondrogenic differentiation of adipose-derived stem cells by radiofrequency electric stimulation." Journal of Stem Cell Research & Therapy 7(12): 10.



Deep Blood Flow Response to INDIBA application

The results of this study demonstrate that a high as well as a low dose of INDIBA can significantly enhance blood flow volume at depth. In addition, delivery of a high dose can dramatically increase both the volume and intensity of flow.

Kumaran, B., et.al. (2017). "Continuous-mode 448 kHz capacitive resistive monopolar radiofrequency induces greater deep blood flow changes compared to pulsed mode shortwave: a crossover study in healthy adults." European Journal of Physiotherapy 19(3): 137-146



The mean (±SD) deep blood flow volume responses showing the baseline and post-treatment data from all five groups. *shows the statistically significant change.

Increased Stride Length following application of INDIBA

This study demonstrated that the application of CRET therapy significantly modifies the accelerometric pattern of the horse evaluated on a treadmill, leading to increased muscle power, longer stride length, and lower stride frequency.

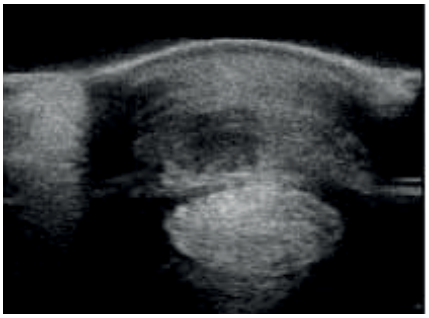
Becero M., et.al. (2020). "Capacitive resistive electric transfer modifies gait pattern in horses exercised on a treadmill." BMC Vet Res 16(1): 10.

Case Studies

Monopolar Capacitive/resistive Radiofrequency at 448 kHz in the Treatment of Disorders of the Superficial Flexor Tendon in Horses. Clinical Case.

1 Department of Cellular Biology, Physiology and Immunology. University of Córdoba
2 Doctoral students researching "Use of capacitive/resistive monopolar radiofrequency at 448 kHz in equine tendon disorders.

Pre-treatment



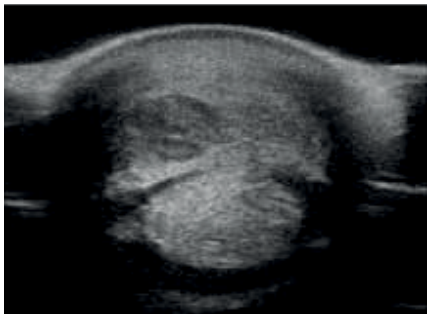


Fig. 1 Ultrasound scan of front right limb acute lesion in superficial flexor tendon.

Fig. 2 Ultrasound scan of the front left limb chronic lesion in superficial flexor.

The acute lesion was injected with PRP and treated immediately with INDIBA at the lowest power for eight sessions of 15 minutes duration over six weeks. After week one session, the power was gradually increased. The chronic lesion was only treated with INDIBA in a thermal mode and, therefore, at higher power. The lesion was treated for eight sessions over six weeks, with each session lasting 15 minutes.

After treatment

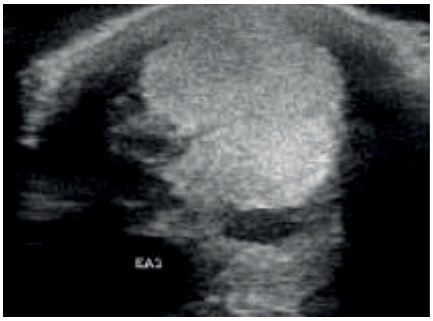


Fig. 3 Ultrasound image of front right limb superficial flexor tendon post treatment, 6 weeks after first scan.

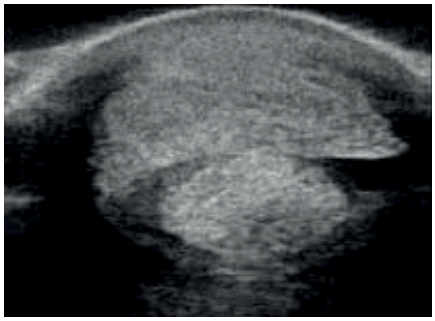


Fig. 4 Ultrasound image of front left limb after 8 sessions of INDIBA over 6 weeks.

Outcome

Notable reduction in tissue oedema and pain was noted immediately post first treatment.
The scans showed marked improvement in fibre organization and regeneration of the tendon.
The results were consistent with the outcomes from human medicine especially in the field of sports medicine.

SMART TECHNOLOGY

INDIBA® Equus introduces a new technology for its handles and electrodes.

Smart Handle

This new handle enables the application of Capacitive and Resistive treatment modalities through the same handle.

Smart Resistive Electrode (Smart RES) and Smart Capacitive Electrode (Smart CAP)

The new smart electrodes are recognized by the device, and can detect temperature, time, contact, and hours of use.

Accessories

- INDIBA® VET Conductive Gel
- INDIBA® Proionic VET Lotion

Transport Solutions

- Road Case Equus
- Carrying Case Equus
- Trolley
- Accessories backpack

*Complements and accessories may change according to the model and package offers.

equus

	EQUUS LIGHT		EQUUS PRO	
	Resistive (RES) Mode	Capacitive (CAP) Mode	Resistive (RES) Mode	Capacitive (CAP) Mode
Waveform	Sinusoidal		Sinusoidal	
Total Harmonic Distortion (THD)	< 2.5 %		< 2,5%	
Output frequency	448 kHz		448 kHz	
Maximum output voltage	100 V~ (RMS)		140 V ~ (RMS)	
Maximum output apparent power	65 VA	250 VA	200 VA	450 VA
Maximum output active power	65 W	50 W	200 W	150W
Maximum output frequency error	± 2 kHz		± 2 kHz	
Maximum output power error	± 10% or ± 2 W, the greater of the two		± 10% or ± 2 W, the greater of the two	

Fixed 448 kHz frequency

Extensive library of clinical studies

INDIBA® Academy

Over 35 years of experience

Safe and effective technology

INDIBA®
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FOR MORE INFORMATION

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