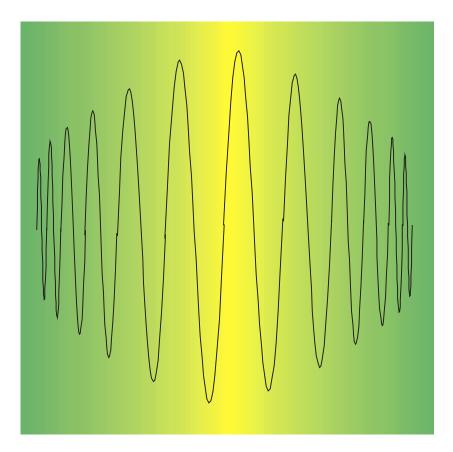


# HiToP<sup>®</sup> Therapy

Indications with  $HiToP^{\mathbb{R}}$ 







# Index

Origin of the HighTone Power Therapy	5
HiToP <sup>®</sup> programs	
Dermatology	
Neurodermatitis	
Psoriasis	
Radiation injuries	
Gynecology and urology	
Adnexitis, chronic	
Cystitis, Cystopyelitis, Cystopyelonephritis, chronische	
Dysmenorrhea	
Pain caused by IUPs	
Stress-urine incontinence	
Otorhinolaryngology	
Laryngitis, chronic	
Chronic otitis media	
Frontal sinusitis, chronic	
Maxillary sinusitis, chronic	
Tinnitus	
Internal medicin and angiology	23
Adipositas, overweight	23
Arterial hypertonia Arterial occlusive diseases	
Uratic arthritis	
Spasmodic asthma	
Decubitus in the back region	
Decubitus in the region of the heel bone	
Diabetic angiopathy	
Thromboangiitis obliterans	
Cardiac discomforts, functional	
Migraine (treatment at intervals)	
Migraine and BING-HORTON syndrome	
Obstipation atonic Obstipation, spastic	
Posttraumatic edema in the area of the hand	
Posttraumatic edema in the area of the foot	
Raynaud's syndrome	
Thrombosis prophylaxis	
Stasis ulcer	
Venous insufficiency, chronic	
Neurology	
Amyotrophic lateral sklerosis	
Atypical faciocephalalgia	
Diabetic polyneuropathy	
Nocturnal enuresis	
Facial nerve paresis	
Polyneuropathies	
Shoulder pain in hemiplegia Tension headache, Vasomotoric headache	
Ophthalmology	
Conjunctivitis, allergic	
Orthopaedics, surgery, sports medicine	
Arthosis of the carpus Arthrosis of the hip joints, Coxarthrosis	
Arthrosis of the knee joints	
Arthrosis of the shoulder	
Arthrosis of the ankle joints	
Baker's cysts	
Prepatellar bursitis	
Indications with HiToP <sup>®</sup> page 3	©gbo Medizintechnik AG 2004



Chondromalacia patellae, Chondropathia patellae	
Distorsions in the hip region	
Radial epicondylitis	
Fractures in the hip region	
Contusions in the hip region	
Bekhterev's arthritis	
Muscular tensions, , cervical and upper thoracic spine	
Myogeloses	
Osteoporosis	
Syndrome of the apex of patella	
Periarthritis humeroscapularis	
Postoperative intestinal atonies	
Radicular syndromes	
Pain in the iliosacral joints	
SUDECK's syndrome	
Acute torticollis	
Psychiatry	
Anxiety disorder, Depressions	
Withdrawal symptoms in alcoholism Withdrawal symptoms in drug addiction	
Phobiae	
Index	



#### Origin of the HighTone Power Therapy

HighTone power therapy is a new quantum leap in the field of electro therapy.

Conventional electro therapy stimulates nerves and muscles. The primary aim of HighTone power therapy is a direct effect on the metabolism of the cells.

The differences can be seen in **effect**, **technology** and **practical use**.

The differences in effect relate to two main mechanisms of HighTone power therapy: Firstly, it introduces energy into the body to increase the cell energy potential. Secondly, it makes the cell structures oscillate to normalise the metabolism.

From the technical point of view the classical electro therapy is a modulation of amplitude: The current intensity is modulated, but the frequency remains constant. Electro therapy uses modulation frequencies between 0 and 200 Hertz in the low frequency range, and mostly 4.000 Hertz in the medium frequency range as carrier frequency.

In HighTone power therapy the amplitude and the frequency are modulated simultaneously. The higher the frequency, the more energy can be intro-duced correlating to the individual threshold curve of the patient's electro-sensitivity.

Thus, it is a **SIMULtaneous Frequency and Amplitude Modulation**. In the following it will always be called **SimulFAM®***i*. The letter 'i' stands for intensity, which increases simultaneously with rising frequency.

In the HighTone power therapy device **HiToP**<sup>®</sup> uses HighTone frequencies between 4.096 and 32.768 Hertz.

• HighTone power therapy differs in two further practical points:

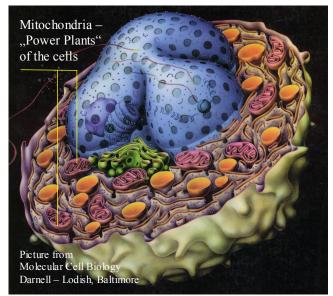
1. Classical electro therapy is applied for 5 to 10 minutes, but HighTone power therapy up to 60 minutes.

2. In classical electro therapy, as a rule, one channel and two electrodes are used. In HighTone power therapy up to 4 channels are in parallel operation, with 10 electrodes.

### What are the two main effects of HighTone Power Therapy?

■ Introduction of energy into the body in order to activate the cells and to vitalise the body.

■ Creation of resonances in order to make the cells and the tissue structures oscillate, with the aim to improve metabolic processes and to relieve pain.



### HiToP<sup>®</sup> HighTone Power Therapy

In 1935, Siegfried Koeppen already thought about the possibilities to use tone frequency therapy.

Dr. med. Hans-Ulrich May is recognized as the "father" of the modern HighTone Therapy. Since 1988, he has been studying the variously effective applications very successfully.

# Therapeutic

efficiency

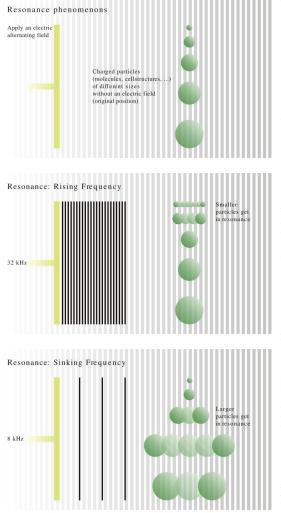
Already after the first treatment, 60 - 80 % of the patients do not have any troubles anymore or experience a great relief of pain (according to a patients' survey in 2001).

### **Practical** efficiency

Patients with various kinds of pain syndromes (e.g. gonarthrosis, coxarthrosis, lumbar spine syn-drome, cervical spine syndrome, shoulderarm-syndrome, etc.) experience significant relief of their pains which could not be achieved by conventional therapy methods by now.

This also means fast mobilization as well as the return to the required powerfulness for the working patient who has a job. Elderly people will feel much more vitality and their quality of life will increase.





### What makes the cell and tissue structures oscillate?

The applied frequencies range from 4.096 to 32.768 Hertz over 3 octaves in 72 quartertone steps of 1 second each. The tones in the three octaves are the same that are used in standard music.

These high tone frequencies between 4.096 and 32.768 Hertz pass through the body in form of an electrical field that makes the charged particles oscillate.

The frequencies of the oscillations introduced create resonances in the molecules and cell structures.

Different frequencies activate structures of different size. For this reason it is important to offer a broad spectrum of frequencies.

The oscillations of the different particles in the tissue lead to many effects. One of them is a strongly increased distribution of pain and inflammation mediators as well as a positive effect on the transport of nutritive and waste substances.

Thus, the result is an improvement of metabolic processes, purging and pain relief.

### How is the energy introduced into the cells?

The threshold curve of the electrosensitivity defines how much energy can be introduced into the body. The higher the frequency of the energy entered, the more energy the human body is able to tolerate.

The goal is to transfer as much energy as possible to the body. This can be achieved with high frequencies. The HighTone power therapy operates in the range between 4.096 and 32.768 Hertz. Up to 5.000 mWatt are introduced directly into the body.

HighTone power therapy increases the mitochondria in amount and size, the so-called energy "power stations".

After the therapy the patient feels refreshed, just like after a long walk.

This energy input is made twice: once locally in the area to be treated and simultaneously on the whole body.

The whole-body vitalisation is important, for a disease is rarely limited to one area. The resistance of the whole body is improved.



### HiToP<sup>®</sup> programs

The programs of the **HiToP** are pre-programmed sequences of treatments that are designed to achieve well defined effects for the customer.

In HiToP<sup>®</sup> 184The user can chose between the Program menu or the Indication menu by selecting the corresponding menu in the device settings.

The different programs can typically be used with one application of the electrodes, i.e. it is not necessary to change electrode application as the program changes from one treatment to the next.

The following is a brief description of the different programs and their typical use.

### **Vitalization**

Vitalization consists of SimulFAM<sup>®</sup> *i* only and is typically applied as the whole-body treatment.

The program length is pre-set to 30 minutes but can be changed by the user.

#### Lipolysis

Lipolysis is the body's own process of freeing fatty cells from the tissue and making them accessible as energy carriers for the body to burn. This Lipolysis can be stimulated by HighTone Therapy. The scientifically proven frequency for maximum stimulation of lipolysis is 3 Hz.

In order to avoid adaptation of the body and based on practical experience our Lipolysis program uses a frequency sweep from 2.5 - 3.5 Hz. The length of the treatment is preset to 30 minutes but can be changed by the user.

As this program will only free but not burn the freed fatty cells it is recommended to follow it up with physical exercise.

The program length is pre-set to 30 minutes but can be changed by the user.

### **Cellulite**

The cellulite treatment combines 10 minutes of lipolysis with 5 minutes of a frequency sweep from 10 - 20 Hz. This sweep will result in a vasoconstriction (10 Hz), pressing blood out of the area, and strong muscle stimulation (20 Hz), burning the freed fatty cells.

The program is of a fixed length of 30 minutes and the above described sequence is carried out twice.

#### **Fatburning**

This program focuses on the reduction of fatty cells. Therefor 80% of the treatment time is used for Lipolysis. The rest of the time a frequency sweep of 10 - 30 Hz is applied, giving some vasoconstriction but mainly muscle work in order to burn the freed fatty cells.

The program is of fixed length 30 minutes of 3 cycles with 8 minutes Lipolysis and 2 minutes 10 - 30 Hz.

### **Body Shaping**

Goal of this program is to bring the body into a good shape by reduction of fatty cells on one side and muscle build up on the other side. Therefor we have evenly combined Lipolysis treatment with a efficient training of the muscles with SimulFAM<sup>®</sup> X frequencies between 20 and 30 Hz.

Important for a effective muscle training is a strong contraction. To achieve this the intensity is increased during the muscle stimulation period. To give the muscle time to relax, pauses are inserted corresponding to the Sport program.

Indications with HiToP<sup>®</sup> page 7



The program is of fixed length 30 minutes of 2 cycles. Each cycle contains 5 minutes Lipolysis, 5 minutes muscle work and 5 minutes relaxation of the muscles with 150 - 200 Hz.

#### Electro-Massage

To achieve a relaxing and comforting loosening of a muscle or muscle group we can apply a frequency sweep of 0.5 to 3 Hz. This corresponds to the rhythm of a manual massage and is therefor called Electro-massage.

The program length is pre-set to 30 minutes but can be changed by the user.

#### Shaking-Massage

To achieve a relaxing and comforting loosening of a muscle or muscle group we can apply a frequency sweep of 3 - 10 Hz. This will result in a vibration or shaking of the muscle and is therefor called Shaking-massage.

The program length is preset to 30 minutes but can be changed by the user.

#### **Sport**

This is strong muscle training pure. The muscle is being brought to a strong tetanic contraction using SimulFAM<sup>®</sup> X frequencies between 20 and 30 Hz. The intensity should be clearly above the motoric threshold to ensure a strong contraction.

In order to let the muscle have the necessary relaxation pauses the training follows the cycle 5 s rise time, 5 s holding time (contraction) and 20 s pause.

A important innovation that gbo HighTone Therapy adds to the muscle training is that we can use a sub-threshold 32 kHz current (i.e. the user does not feel it) during the pauses to alleviate the metabolism and thereby greatly improve the muscles ability to be supplied with new nutrients and to get rid of waste products. This allows us to shorten the pause times and to achieve a much more efficient training effect.

The length of the program is pre-set to 15 minutes but can be changed by the user.

#### <u>Reha</u>

The Reha program is designed for patients in rehabilitation that need a slow re-introduction to joint movements. Therefor we stimulate the corresponding muscles with frequencies varying slowly between 0.2 and 0.5 Hz.

With sufficient intensity this will generate physiological contraction yielding a slow and energy saving limb movement.

The program length is pre-set to 30 minutes but can be changed by the user.

#### **Mobilization**

The program Mobilization addresses the patient after the rehabilitation or in an advanced status where the motions should slowly be increased in speed. The program therefor consists of 14 s slow motion with 0.5 Hz followed by an increase in speed with a frequency going from 1 to 8 Hz in 21 seconds.

This cycle of 14s + 21s = 35s is then repeated until the end of the treatment time.

The program length is pre-set to 30 minutes but can be changed by the user.



#### **Muscle Pump**

Muscle pump is a slow muscle movement where the repetitive muscle contractions serve as a "muscle pump" to squeeze liquids out of the treated area. This is generated using 0,3 Hz constantly.

The program length is pre-set to 30 minutes but can be changed by the user.

#### <u>Trauma</u>

To treat patients directly after injuries we have combined the edema treatment followed by 100Hz for pain treatment (counter irritation) and muscle relaxation.

The program length is pre-set to 30 minutes but can be changed by the user.

#### Lymph-Drainage

This program uses muscle pump (0.3 Hz), vasoconstriction (10 Hz) and a slight muscle contraction (10 - 30 Hz) of 10 minutes each in sequence to achieve an efficient lymphatic drainage.

The program length is fixed at 30 minutes.

#### <u>Edema</u>

The Edema reduction program consists simply of SimulFAM<sup>®</sup> X 10 Hz, being the optimum frequency for vasoconstriction in order to reduce edemas efficiently.

The program length is pre-set to 30 minutes but can be changed by the user.

#### <u>Pain</u>

To relieve the patient of pain the unit applies a frequency sweep of 90 - 110 Hz using the principle of counter irritation to suppress the pain sensation. It is always applied between the point of pain and the CNS.

The program length is pre-set to 30 minutes but can be changed by the user.

#### Nerveblock

The pain block uses a fixed frequency of 12 kHz. It is being applied directly to the pain point where it is fatiguing the pain receptors (nociceptors).

#### Universal

This program is a scan through all frequencies from 0.1 to 200 Hz.

The program length is pre-set to 30 minutes but can be changed by the user.

#### Diab. PNP

This program is used for pain relief at diabetic polyneuropathies. Caused by muscle activation, the metabolism is improved, thus improving the sensibility to insulin.

The program length is pre-set to 60 minutes but can be changed by the user.



Dermatology

# Neurodermatitis

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, large		AA	
	Whole-body treatment			
	Two electrodes under the soles of foor	t,		
	two electrodes on the forearms,		MANA	HINHA
	one electrodes in the neck			
		Γ	ARTH	
Channel II			Two Y/ Wat	The the test
			IIM	$\square\square$
			$  \langle \langle \rangle \rangle \rangle   \rangle   \rangle   \rangle   \rangle   \rangle   \rangle   \rangle $	
			AA	
			ter lus	// 🕒
Channel III				
			-	
			-	
Channel IV			-	
			-	
			-	
			4	

Position:

lying

### **Therapies:**

Number	10
Frequency	2-3 times the week



Dermatology

# Psoriasis

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} \parallel \mathfrak{N}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	MINE
	one electrodes in the neck			
Channel II				
				🥖 🍋
Channel III			-	
			-	
			-	
		1	-	
Channel IV			-	
			-	
			-	

Position:

lying

# Therapies:

Number Frequency 10 2-3 times a week



Dermatology

# **Radiation injuries**

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\cap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold	1		
	Plate electrodes, large			
	Whole-body treatment			
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	HINA
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	60 min		ANA
Channel II	Settings at 4 and 16 kHz at threshold		- Tur   Y/   Wist	
	Plate electrodes, big			
	Place two or more electrodes around t	ha lacion of the	- MU	
	skin	ne reston of the		
	SKIII.		() () ()	
			AA	
		1	Cut Lun	<b>U</b>
Channel III				
			-	
Channel IV				
			-	
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Adnexitis, chronic

Settings at 4 and 16 kHz at threshold	
Plate electrodes, large	
Whole-body treatment	$' \parallel \square$
Two electrodes under the soles of foot,	
two electrodes on the forearms,	
one electrodes in the neck	
Channel II SimuFAM <sup>®</sup> i 60 min	
SimurAM <sup>-1</sup> 60 min Two V W Settings at 4 and 16 kHz at threshold	1 11/12
Plate electrodes, large	HH
Two dorsally in the sacral region,	HH
two ventrally in the lower abdominal region.	
Channel III	
Channel IV	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Cystitis, Cystopyelitis, Cystopyelonephritis, chronische

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold	•		4
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} \parallel \mathfrak{Q}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		HANDA	
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	60 min		
	Settings at 4 and 16 kHz at threshold		Two Y wor	
	Plate electrodes, large		I NH	H
	Eine bis zwei abdominal gegen eins b	is drei dorsal		HH
	(Kreuzbein, LWS, untere BWS)			
Channel III				
			-	
		Γ	-	
Channel IV			-	
			-	
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Dysmenorrhea

Channel I	SimuFAM <sup>®</sup> i	60 min	$\square$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} \parallel \mathfrak{N}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MAR	
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	60 min		
	Settings at 4 and 16 kHz at threshold		Tan (Y) Wis	
	Plate electrodes, large			
	Two dorsally in the sacral region,			HH
	two ventrally in the lower abdominal	region.		
Channel III				
Channel IV				
			-	

Position:

lying

### Therapies: Number

Number Frequency 10 2-3 times a week



# Pain caused by IUPs

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} \parallel \mathfrak{N}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	HIND
	one electrodes in the neck			
	an and a constant			
Channel II	SimuFAM <sup>®</sup> i	60 min	Two Y/ Wat	Yun I I Inn <sup>C</sup>
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			[][]
	One dorsally against one abdominally	T		HH
			$( \langle \langle \rangle \rangle)$	$( \langle \langle \rangle \rangle)$
			AA	
Channel III				
			-	
			-	
Channel IV				
			-	
			-	
<u> </u>				
Desition	lying			
Position:	Tymg			

Therapies:

Number Frequency 10 2-3 times a week



# **Stress-urine incontinence**

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, large		AA	
	Whole-body treatment		A(S)	
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	HINAD
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	60 min		
channel II	Settings at 4 and 16 kHz at threshold		Two ( ) with	
	Plate electrodes, large		i LH	
	One ventrally abdominally two on the	backside		HH
			HH	
				<b>e e</b>
Channel III				
			-	
		1	-	
Channel IV				
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Laryngitis, chronic

Channel I	SimuFAM <sup>®</sup> i	60 min	$\square \square$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold	•		
	Plate electrodes, large			
	Whole-body treatment			
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MAN	MINAD
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	60 min	ANNY	ANA
Channel II	Settings at 4 and 16 kHz at threshold		Two Y/ Wos	Tun huns
	Plate electrodes, self adhesive electro	daa		
			-	
	A larger one onto the cervix, a smalle larynx.	r one onto the	IIM	()()
	lai yiix.		$ \setminus ( \setminus ) $	
			AA	
			tu lus	🖉 🕒
Channel III				
Channel IV				
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Chronic otitis media

Channel I	SimuFAM <sup>®</sup> i	60 min		
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, medium size with sp	ong pockets		
	One electrode on each ear.			
	Use with well moistened spong pock	xets.	¥ <mark>−</mark> ∕	र् 📕 😽
Channel II			-	
			-	
			-	
			-	
Channel III				
			-	
			-	
			-	
Channel IV				
		I		
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Frontal sinusitis, chronic

Channel I	SimuFAM <sup>®</sup> i	60 min		
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes or self adhesive electrodes	rodes		
	One electrode frontally above the nast suboccipitally.	al root one electrode	E 2	
Channel II				
Channel III				
Channel IV				

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Maxillary sinusitis, chronic

Channel I	SimuFAM <sup>®</sup> i	60 min		
	Settings at 4 and 16 kHz	at threshold	$\neg$ ( )	$\langle \rangle$
	Plate electrodes or self a	dhesive electrodes		
	One electrode each to the	e right and left infraorbitally.		
Channel II				
Channel III				
		Γ		
Channel IV				

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Tinnitus

Channel I	SimuFAM <sup>®</sup> i	60 min		
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, medium			
	Binaurally (one each on both auricles)	).		
	Use with well moistened spong pock	ets.		\ <b>-</b> - 5
Channel II			-	
			-	
Channel III				
Channel III			-	
			-	
			-	
Channel IV				
Channel IV				
			-	
			4	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Adipositas, overweight

Channel I	SimuFAM <sup>®</sup> X 3Hz/Lipolysis	60 min	$\bigcap$	$\bigcirc$
	Settings motorically above threshold	1	1 ()	$\langle \rangle$
	Plate electrodes, large			
	Plate electrodes, large One pair each to the right and left of	the waist		
Channel II				
Channel III				
Channel IV				

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Arterial hypertonia Arterial occlusive diseases

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large		MA A	
	Whole-body treatment			$\mathcal{K} \parallel \mathfrak{N}$
	Two electrodes under the soles of foor	t,		
	two electrodes on the forearms,		HAMA	SI MA
	one electrodes in the neck			
Channel II				ANNA
Channel II			Two Y Wat	Yun Mar
			ML	LL
			( ) ) )	
			AR	
Channel III				
Channel III			-	
		1	-	
Channel IV			-	
			4	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Uratic arthritis

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\bigcap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold	•		$\langle \rangle$
	Plate electrodes, large			
	Two electrodes under the soles of foor	t,	1  A  (S)	$\mathcal{K} \parallel \mathfrak{N}$
	two electrodes on the palms.			
			MANA	MINA
Channel II				ANNA
Channel II			2 ( Y/) 📡	Yun Martin
			( ( ) )	
			AK	
			(al lun	<b>U</b>
Channel III			-	
~		[	-	
Channel IV			-	
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Spasmodic asthma

Channel I	SimuFAM <sup>®</sup> i	60 min	$\square$	$\bigcap$
	Settings at 4 and 16 kHz at threshold	•		$\langle \rangle$
	Plate electrodes, large			
	Whole-body treatment			
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	MINA
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	(0	ANNA	
Channel II		60 min	Two Y Wist	
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large		I MA	
	Two each cranially between scapula a			HH
	two ventrally in the thoracoabdominal	transitional region.	$( \langle \langle \rangle \rangle)$	$ \setminus $
			$\left\{ t \right\} \left\{ t \right\}$	
Channel III				
			-	
Channel IV			-	
Channel IV			-	
			-	
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Decubitus in the back region

Pressure gangrene

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} \parallel \mathfrak{N}$
	Two electrodes under the soles of foot	- ''		
	two electrodes on the forearms,		MAR	HINHA
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	60 min	ANNY	
	Settings at 4 and 16 kHz at threshold		Two Y/ With	Yun T hus
	Plate electrodes, large			
		1000	H MI	
	Around the pressure gangrene or the u	licus		( ) ( )
			$( \langle \langle \rangle \rangle)$	
			AA	
			tel Lun	🖉 🕒
Channel III				
			-	
Channel IV			-	
			-	
			-	
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Decubitus in the region of the heel bone

Pressure gangrene

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} \parallel \mathfrak{N}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		HAMA	MINAG
	one electrodes in the neck			
Channel II			ANTA	
Channel II			Two Y/ WIT	Tun This
				()()
			$  \langle \langle \rangle \rangle \rangle$	
			AA	
				A 19 19 19 19 19 19 19 19 19 19 19 19 19
Channel III				
Channel IV				
		I		
			-	
			1	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Diabetic angiopathy

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large		AL	
	Whole-body treatment			$\mathcal{K} \parallel \mathfrak{A}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		HAMA	AL MAG
	one electrodes in the neck			
Channel II				ANNA
Chamber II			Two Y/ Wor	Yun Mar
			- MA	
Channel III				<b>~</b>
			-	
Channel IV				

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Thromboangiitis obliterans

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large		MA	
	Whole-body treatment			
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MAR	HAA
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> X 100 Hz/pain	60 min	ARNA	
Chamber II	Seettings slightly above threshold		Two Y with	Yun [ ] Ims
	Plate electrodes, large		i \K	
	One up to two lumbally against two p	lantarly	TA	
		2		
			EN	
Channel III			<u> </u>	<b>~</b>
			-	
			-	
			-	
Channel IV				
		1	-	
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Hematoma in the sural region

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large		MA	
	Whole-body treatment			
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MAR	HING
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> X 10 Hz/Edema	60 min		
	Seettings slightly above threshold		Two Y has	
	Plate electrodes, large		i NH	
	One electrode at calf and one at cnem	is		
			$\mathcal{E}_{\mathcal{I}}$	
Channel III				
			-	
Channel IV				
		•		
			]	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Cardiac discomforts, functional

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large		MA	
	Whole-body treatment			RITA
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	MINAD
	one electrodes in the neck			
			ARTH	
Channel II				
			MM	
			IIM	hh
			$( \langle \langle \rangle \rangle)$	
			AA	
			tel Lun	// 🕒
Channel III				
		•		
			-	
			-	
Channel IV			-	
			-	
			-	
1				

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Migraine (treatment at intervals)

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold		{ }	
	Plate electrodes or self adhesive electrodes			
	Place one electrode or special four-bu upper neck suboccipitally, the counter to the first one in the lower cervical s	tton electrode in the electrode caudally		AAA
Channel II			Two V WIT	
			- MA	$\left  \cdot \right $
			AA	AA
Channel III				
			-	
Channel IV				
			-	
			-	

Position:

lying

### **Therapies:**

Number Frequency

10 2-3 times a week



# **Migraine and BING-HORTON syndrome**

Channel I	SimuFAM <sup>®</sup> X 100 Hz/pain	max. 30 min	$\cap$	$\frown$
Charmer I	Setting on threshold	max. 50 mm		( )
	Plate electrode or four-button electrode One electrode or special four-button electrode in the region of the carotid sinus <b>do not fix, but have it held!</b>			
			LAZINA	MILA
	One counter-electrode nuchally.			
	one counter-creenode indenany			
Channel II				Tun hus
			Two Y was	0000 0000
			() () ()	
			AR	hR
Channel III				
Channel III			-	
Channel IV			-	
			-	
			-	
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# **Obstipation atonic Obstipation, spastic**

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\square \square$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} \parallel \mathfrak{N}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	60 min		
	Settings at 4 and 16 kHz at threshold		- 7W ( Y/) WN	
	Plate electrodes, large			
	Two up to four abdominally against c	one up to two		HH
	dorsally (sacrum, lumbar spine, lowe	r thoracic spine)		
			$\Box$	🦲 🕒
Channel III				
			-	
			-	
Channel IV				

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Posttraumatic edema in the area of the hand

Channel I	SimuFAM <sup>®</sup> X 10 Hz/Ede ma	60 min	$\cap$	$\bigcirc$
	Settings slightly above threshold			
	Plate electrodes, large			
	Proximal treatment: One electrode me the area of the vessel-nerve cord one c laterally (radially).	dially (axiallarly) in ounter-electrode		
Channel II				
Channel III				
Channel IV				
Charmer I V			-	
			-	
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Posttraumatic edema in the area of the foot

Channel I	SimuFAM <sup>®</sup> X 10 Hz/Ede ma	60 min	$\cap$	$\bigcirc$
	Settings slightly above threshold		- ( )	
	Plate electrodes, large			Int
	Proximal treatment: One electrode me	dially (aviallarly) in		0 MA
	the area of the vessel-nerve cord one of	counter_electrode		
	laterally (radially).	counter-creenoue		MIL
	laterally (laterally).			
			L/N+h	
Channel II			AND P	
		I	Two ( Yo) WS	
				HH
			( ) ( ) ( ) ( )	
			AA	A P
			Kit Lind	ليا ليا
Channel III			-	
Channel IV				
		I		
			-	
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Raynaud's syndrome

Channel I	SimuFAM <sup>®</sup> X 100 Hz/pain Settings slightly above threshold	60 min	$\square \square$	$\bigcap$
	Settings slightly above threshold	•		4 2
	Plate electrodes, large			
	One large electrode in the neck against	t two palmar		$\mathcal{R} \parallel \mathcal{D}$
	electrodes placed on both sides			
			HAMA	MINA
Channel II			ANA	
Chamber II			Two (Y/) with	Tun Chip
Channel III				
			-	
			-	
Channel IV				
			]	

Position:

lying

# **Therapies:**

Number Frequency 10 2-3 times a week



# Thrombosis prophylaxis

With HiToP 184 you can do a whole body treatment for vitalisation at the same time.(Channel III)

Channel I	SimuFAM <sup>®</sup> X 0,3 Hz/Musclepump	60 min	$\bigcap$	$\bigcap$
	Settings motorically above threshold			
	Plate electrodes or self adhesive elect	rodes	MA	
	Place two electrodes each on the crura	al regions		
	proximally and distally, laterally to th	e anterior margin of		
	the tibia onto the foot and toe muscle	extensor	MANA	HINA
		( <b>0</b> )	ANDA	ANNA
Channel II	SimuFAM <sup>®</sup> X 0,3 Hz/Musclepump	60 min	The Y/ WIT	
	Settings motorically above threshold			
	Plate electrodes or self adhesive elect			
	Place two electrodes each on the crura			HH
	proximally and distally, laterally to th			
	the tibia onto the foot and toe muscle	extensor		H H
			$\Box$	
Channel III	SimuFAM <sup>®</sup> i	60 min	$\bigcirc$	
Channel III	<b>SimuFAM<sup>®</sup> i</b> Settings at 4 and 16 kHz at threshold	60 min		$\bigcirc$
Channel III		60 min		
Channel III	Settings at 4 and 16 kHz at threshold	60 min		R I A
Channel III	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo	I		
Channel III	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
Channel III	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo	I		
	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
Channel III Channel IV	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Stasis ulcer

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold		1 ()	$\langle \rangle$
	Plate electrodes, large			
	Two electrodes under the soles of foot	t.		$\mathcal{K} \parallel \mathcal{D}$
			HANA	MINA
Channel II			ANNA	AND
Channel II			Tw ( Y/ ) with	Tur Chip
			- ML	
			$\langle \langle \rangle \rangle$	
			月代	
		[	Kit Lind	
Channel III			-	
		1	-	
Channel IV				

Position:

lying

# **Therapies:**

Number Frequency 10 2-3 times a week



# Venous insufficiency, chronic

With HiToP 184 you can do a whole body treatment for vitalisation at the same time.(Channel III)

Channel I	SimuFAM <sup>®</sup> X 0,3 Hz/Musclepump	60 min	$\cap$	$\bigcap$
	Settings motorically above threshold	·		$\langle \rangle$
	Plate electrodes or self adhesive electrone	rodes		
	Place two electrodes each on the crura			
	proximally and distally, laterally to th			
	the tibia onto the foot and toe muscle	extensor	HAMA	MIMA
Channel II	SimuFAM <sup>®</sup> X 0,3 Hz/Musclepump	60 min	ANA	GIN B
	Settings motorically above threshold			
	Plate electrodes or self adhesive elect	rodes	I NH	HH
	Place two electrodes each on the crura			HH
	proximally and distally, laterally to th			
	the tibia onto the foot and toe muscle	extensor		
			$\mathcal{O}$	
Channel III	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold		1 ()	
	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment	I		RIA
	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo	I		
	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo	I		
Channel IV	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
Channel IV	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
Channel IV	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
Channel IV	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
Channel IV	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
Channel IV	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		
Channel IV	Settings at 4 and 16 kHz at threshold Plate electrodes, large Whole-body treatment Two electrodes under the soles of foo two electrodes on the forearms,	I		

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Amyotrophic lateral sklerosis

Channel I	SimuFAM <sup>®</sup> i	60 min	$\bigcap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			4 /
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} \parallel \mathcal{D}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		HAMA	
	one electrodes in the neck			
Channel II			AND	9 M B
Chamber II			Two V WIT	Yun ( ) hun
			- MA	HH
Channel III				
			-	
			-	
Channel IV				
			-	

Position:

lying

## **Therapies:**

Number Frequency 10 2-3 times a week



# Atypical faciocephalalgia

Channel I	SimuFAM <sup>®</sup> X 100 Hz/Schmerz	60 min	$\cap$	$\cap$
	Settings slightly above threshold			
	Plate electrodes, large		MA	
	Two electrodes under the soles of foo irritation	t for counter		
Channel II				
Channel III			-	
Channel IV			-	
			-	

Position:

lying

# **Therapies:**

Number Frequency 10 2-3 times a week



# Diabetic polyneuropathy

Channel I	SimuFAM <sup>®</sup> X 20 Hz/Diab. PNP 60 min	$\frown$	$\frown$
Channel I		 { }	( )
	Settings motorically above threshold	M N	
	Plate electrodes 120 x 80		
	Each one electrode to both thighs to the knee,	A(5)	$\mathcal{K} = \mathcal{K}$
	each one electrode to both thighs to the grion		
		MANA	MINA
		LINALL	ALV)A
Channel II			The the
			$\wedge / \wedge /$
		$\mathcal{E}$	101 M
Channel III			
Channel IV			
Chamber I v			

Position:

lying

# **Therapies:**

Number Frequency 10 2-3 times a week



# **Nocturnal enuresis**

bedwetting

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			\ <i>\</i>
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} = \mathcal{K}$
	Two electrodes under the soles of foot	t,		
	two electrodes on the forearms,		HAMA	DINAR
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> <i>i</i>	60 min		
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			
	One ventrally abdominally, two in the	proximal medio-		HH
	dorsal upper thigh regions below the g	gluteal folds		
				<u>/</u>
Channel III				
			-	
			-	
Channel IV				
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week

### Remarks:

Neurology



# Facial nerve paresis

Channel I	SimuFAM <sup>®</sup> i	60 min	$\bigcap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold		] 🤇 🧳	
	Plate electrodes or self adhesive elect	rodes	MA A	
	One flexible electrode on the affected	half of the face, a		
	larger electrode in the nuchal region (			
	region).	-	MANA	MINAD
		1	ARTH	ALIA
Channel II			Two Y/ WS	
				$\left[ \right] \left[ \right]$
			I I IM	HH
				$( \langle \rangle \rangle )$
			$\mathcal{L}$	
Channel III				
		1		
			-	
			-	
Channel IV			1	
			1	

Position:

lying

# **Therapies:**

Number	10
Frequency	2-3 times a week



# Polyneuropathies

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			< ↓
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} \parallel \mathfrak{A}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		HAMA	
	one electrodes in the neck			
Channel II			AND	9 M B
Chamber II			Tw ( Y/) WS	9 m 1 m
				H
Channel III				
			-	
			-	
Channel IV			1	
			1	

Position:

lying

# **Therapies:**

Number Frequency 10 2-3 times a week



# Shoulder pain in hemiplegia

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\bigcap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold		- ()	
	Plate electrodes, large			
	One ventrally, one dorsally to the sho	ulder joint		
			HAMA	MINA
Channel II	SimuFAM <sup>®</sup> X 100 Hz/pain	60 min		GM P
	Settings slightly above threshold three			Tun - Lun
	Plate electrodes		i NH	
	Two electrodes on the palm.			
			$\mathcal{L}$	
Channel III				
			-	
			-	
			-	
Channel IV				

Position:

lying

## **Therapies:**

Number Frequency 10 2-3 times a week



# Tension headache, Vasomotoric headache

Channel I	SimuFAM <sup>®</sup> X 100 Hz/pain	60 min	$\bigcap$	$\bigcirc$
	Settings slightly above threshold threshold			
	Plate electrodes or four button electrode			
	Place one electrode or special four-bu upper neck suboccipitally, the counter to the first one in the lower cervical sp upper thoracic spine region	-electrode caudally		AAA
Channel II			Tend L Lust	
Channel III				
			]	
Channel IV			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



Ophthalmology

# Conjunctivitis, allergic

Channel I	SimuFAM <sup>®</sup> X 10 Hz/Ödem	60 min		$\bigcirc$
	Settings at threshold			$\langle \rangle$
	Plate electrode, small or self adhesive	electrodes		
	One electrode each onto the eye		ASA	K K
Channel II				The second
			MA	
			(ut) (w)	
Channel III			-	
Channel IV				

Position:

lying

# **Therapies:**

Number Frequency 10 2-3 times a week



# Arthosis of the carpus

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold	·	1 ()	$\langle \rangle$
	Plate electrodes, large			
	Whole-body treatment			$K \parallel \Sigma$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		HAANA	DIME
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	60 min		
	Settings at 4 and 16 kHz at threshold			
Ì	Plate electrodes or self adhesive elect		I NH	hh
	One electrode volarly, one electrode o	lorsally		HH
				$( \langle \rangle \rangle )$
			HH	
			ted (a)	A 🖉 🐚
Channel III				
		•		
			-	
			-	
Channel IV				

Position:

lying

## **Therapies:**

Number Frequency 10 2-3 times a week



# Arthrosis of the hip joints, Coxarthrosis

With HiToP 184 you can do a whole body treatment for vitalisation at the same time.(Channel III)

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\bigcap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold		] { /	$\langle \rangle$
	Plate electrodes, large			
	Two electrodes, one each to the right	and left of the hip	A 15	
	joint region			
			HAMA	M HA
Channel II	SimuFAM <sup>®</sup> X 100 Hz/pain	60 min		
	Settings slightly above threshold			
	Plate electrodes, large			hh
	Two or four electrodes in unilateral of			HH
	One each proximally dorsally lumball	y One each distally		
	ventrally on the upper thigh		HH	
Channel III	SimuFAM <sup>®</sup> i	60 min	$\bigcap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			
	Whole-body treatment			
	Two electrodes under the soles of foo	t,	LAZAN	
	two electrodes on the forearms,			
	one electrodes in the neck	1	LAND	
Channel IV			Two Y with	The the
			IIM	HH I
			$  \langle \langle \rangle \rangle \rangle   \rangle   \rangle   \rangle   \rangle   \rangle   \rangle   \rangle $	( )
			HA	
			to the second second	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Arthrosis of the knee joints

With HiToP 184 you can do a whole body treatment for vitalisation at the same time.(Channel III)

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\bigcap$	$\bigcirc$
	Settings slightly above threshold			4
	Plate electrodes, large			
	One electrode on both sides of the kno	ee joint.		AAA
Channel II	SimuFAM <sup>®</sup> X 100 Hz/pain	60 min	AT THE	Tun his
	Einstellung slightly überschwellig			
	Plate electrodes, large			
	One electrode on the thigh, one electro	ode on the calf.		
Channel III	SimuFAM <sup>®</sup> i	60 min	$\square$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			
	Whole-body treatment			
	Two electrodes under the soles of foo	t,	LIZEN	ATTA
	two electrodes on the forearms,		MINH	
	one electrodes in the neck			
Channel IV			Two Y/ WIT	
			HN HN	
			( ( ) )	
			H H H	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Arthrosis of the shoulder

With HiToP 184 you can do a whole body treatment for vitalisation at the same time.(Channel III)

Channel I	SimuFAM <sup>®</sup> i	60 min	$\square \square \square$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes or self adhesive elect	rodes		
	One electrode ventrally, one electrode	e dorsally to the		
	shoulder joint.			
			HAMA	
Channel II	SimuFAM <sup>®</sup> X 100 Hz/pain	60 min		
	Settings slightly above threshold			
	Plattenelektroden möglichst groß		I MH	
	One electrodes on each upper arm.			
			$( \langle \langle \rangle \rangle)$	$( \langle \rangle )$
			AA	h b
			tered Law	66
Channel III	SimuFAM <sup>®</sup> i	60 min	$\square$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			
	Whole-body treatment			
	Two electrodes under the soles of foo	t,	LAZINA	
	two electrodes on the forearms,			
	one electrodes in the neck	I	AND	
Channel IV			Two Y has	
				$\square\square$
			$( \langle \langle \rangle \rangle)$	
			AA	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Arthrosis of the ankle joints

Channel I	SimuFAM <sup>®</sup> i	60 min	$\bigcap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, large		MA	
	Whole-body treatment			
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	MINAD
	one electrodes in the neck			
	(0)	[	ARAN	
Channel II	SimuFAM <sup>®</sup> i	60 min	Two Y has	
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, medium			$\square$
	One tibially, one fibularly.		1	HH
	Use with well moistened spong pock	ets.		
			175	
Channel III				
Charmer III				
Channel IV				
			-	
			-	

Position:

lying

## **Therapies:**

Number Frequency 10 2-3 times a week



# Baker's cysts

Channel I	SimuFAM <sup>®</sup> i	60 min	$\bigcap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} \parallel \mathfrak{N}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MAN	HINA
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	60 min	ARMA	
Channel II	SimurAW 1 Settings at 4 and 16 kHz at threshold		- Two Y / Wor	Yun T hus
	Plate electrodes, large			
	One electrode on the knee cap, one el	ectrode in the		<b>N</b>
	hollow of the knee.		$( \langle \langle \rangle \rangle )$	
			AA	
			Eur (	<b>/</b>
Channel III				
			_	
			_	
Channel IV			_	
Channel I v			_	
			_	
			_	

Position:

lying

# **Therapies:**

Number Frequency 10 2-3 times a week



# Prepatellar bursitis

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, large		MA	
	Whole-body treatment			
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MAN	MINAD
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	(0	ARTH	
Channel II		60 min	Two Y/ WIT	
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			
	One electrode on the knee cap,	ectrode in the		<b>H</b> H
	hollow of the knee.			$( \langle \rangle \rangle )$
			$(\xi_t)$	
Channel III				
		I		
			-	
			-	
Channel IV			-	
Channel I v			-	
			-	
			-	

Position:

lying

## **Therapies:**

Number Frequency 10 2-3 times a week



# Chondromalacia patellae, Chondropathia patellae

Channel I	SimuFAM <sup>®</sup> i	60 min		
	Settings at 4 and 16 kHz at threshold		- () ()	
	Plate electrodes, large			
	Whole-body treatment			
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA MINA	
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> <i>i</i>	60 min		6
	Settings at 4 and 16 kHz at threshold		- Tun ( ) with and ( ) with	1
	Plate electrodes, large			
	One electrode on the knee cap, one el hollow of the knee.	ectrode in the		
			tul lun 🦉 📜	
Channel III				
		1	_	
Channel IV			_	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Distorsions in the hip region

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\bigcap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			4
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} \parallel \mathcal{D}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		HAMA	HING
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> X 10 Hz/Trauma	60 min		
	Settings slightly above threshold		Two T Y T WOS	
Ì	Plate electrodes, large		i NH	hh
	Two electrodes, one each to the right	and left of the hip		HH
	joint region.			
Channel III				
			-	
			4	
Channel IV				
			-	
			-	

Position:

lying

## **Therapies:**

Number Frequency 10 2-3 times a week



# **Radial epicondylitis**

With HiToP 184 you can do a whole body treatment for vitalisation at the same time.(Channel III)

Channel I	SimuFAM <sup>®</sup> <i>i</i>	60 min	$\bigcap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes			
	One (smaller) electrode radially onto			$\mathcal{K} = \mathcal{K}$
	(larger) or two counter-electrodes ulna	arly to the opposite		ATA
Channel II	SimuFAM <sup>®</sup> X 100 Hz/pain	60 min	$[f_{\rm m}] = V/V (P)$	
	Settings slightly above threshold			
	Plate electrodes, large			
	One electrode tu the upper arm and or	e electrode th the		HH
	forearm		$( \langle \langle \rangle \rangle)$	
			AA	
			the law	45
Channel III	SimuFAM <sup>®</sup> i	60 min	$\square$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			
	Whole-body treatment			
	Two electrodes under the soles of foor	t,	LITTAL	MITA
	two electrodes on the forearms, one electrodes in the neck			
	one electrodes in the neck			
Channel IV			Two Y with	
			MM	
				HH
			$( \langle \langle \rangle \rangle)$	$\lambda / \lambda /$
			HA	
			to I had	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Fractures in the hip region

Channel I	SimuFAM <sup>®</sup> i	60 min	$\bigcap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			< ↓
	Plate electrodes, large			
	Whole-body treatment			$\mathcal{K} \parallel \mathcal{D}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	HING
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> X 10 Hz/Ede ma	60 min		
	Settings slightly above threshold		Two Y Y Wos	
	Plate electrodes, large		I NH	hh
	Two electrodes, one each to the right	and left of the hip		HH
	joint region			
Channel III				-
		•		
		<b>r</b>		
Channel IV				
			-	

Position:

lying

## **Therapies:**

Number Frequency 10 2-3 times a week



# Contusions in the hip region

Channel I	SimuFAM <sup>®</sup> i	60 min	$\bigcap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large		AA	
	Whole-body treatment			$\mathcal{R} \parallel \mathcal{Q}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		HAND	HINA
	one electrodes in the neck			
Channel II		60 min		
Channel II	SimuFAM <sup>®</sup> X 10 Hz/Trauma	ou min		
	Settings slightly above threshold			
	Plate electrodes, large		I MM	
	Two electrodes, one each to the right	and left of the hip	IM	HH
	joint region			
			En law	
Channel III				-
		1	1	
			_	
			-	
Channel IV				

Position:

lying

## **Therapies:**

Number Frequency 10 2-3 times a week



# Bekhterev's arthritis

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, large			
	Four electrodes with changing polarit distributed to the spine area.	y uniformly		
Channel II				
Channel III				
			-	
			-	
Channel IV				
			-	

Position:

lying

## **Therapies:**

Number Frequency 10 2-3 times a week



# Muscular tensions, , cervical and upper thoracic spine

Channel I	SimuFAM <sup>®</sup> X 1,5 – 10 Hz /Shaking 60 min		
	massage		S P
	Settings motorically above threshold		
	Plate electrodes or self adhesive electrodes		
	One plate electrode or self adhesive electrode each onto		
	the upper edge of the trapezius muscle on both sides		MILA
Channel II	\$	$\left( \left( \right) \right) \left( \left( \right) \right) \left( \left( \right) \right) \right)$	Fund I have
	· ·	Two ( Y/) with	
		- ML	HH
		( ) ( ) ( ) ( )	
		AA	AD
		the law	
Channel III			
		-	
		-	
Channel IV			

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Myogeloses

Channel I	SimuFAM <sup>®</sup> i	60 min	$\bigcap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			
	One plate electrode or self adhesive el	ectrode each onto		
	the upper edge of the trapezius muscle	e on both sides		
			HAMA	MINAR
Channel II			ANNA	ANNA
Channel II			Two Y/ WD	
			- ML	
			() () ()	
			AA	AA
Channel III			الاست التي	
Channel III			-	
			_	
			-	
Channel IV			-	
Channel IV			-	
			-	
			-	

Position:

lying

# **Therapies:**

Number Frequency 10 2-3 times a week



# Osteoporosis

Channel I	SimuFAM <sup>®</sup> i	60 min	$\square$
	Settings at 4 and 16 kHz at threshold	d	
	Plate electrodes, large		
	Whole-body treatment		
	Two electrodes under the soles of fo	ot,	
	two electrodes on the forearms,		
	one electrodes in the neck		
Channel II	SimuFAM <sup>®</sup> i	60 min	
	Settings at 4 and 16 kHz at threshold	d	
	Plate electrodes, large		
	Two ventrally abdominally against t dorsally along the spine from cervic sacrum.		
Channel III			
Channel IV			

Position:

lying

# **Therapies:**

Number Frequency 10 2-3 times a week



# Syndrome of the apex of patella

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large		MA	
	Whole-body treatment			
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	MINAD
	one electrodes in the neck			
Channel H	SimuFAM <sup>®</sup> i	(0	ARTH	
Channel II		60 min	Two Y/ WS	Yun huns
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			
	One on the knee cap, one on the pople	2.		
			$( \langle \langle \rangle \rangle )$	
			AA	
				/ L
Channel III				
			-	
			-	
			-	
Channel IV			-	
Channel I v			-	
			-	
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Periarthritis humeroscapularis

With HiToP 184 you can do a whole body treatment for vitalisation at the same time.(Channel III)

Channel I	SimuFAM <sup>®</sup> i	60 min	$\bigcap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes or self adhesive electro	rodes		
	One electrode ventrally, one electrode	e dorsally to the		
	shoulder joint.			
			HAAA	MA
Channel II	SimuFAM <sup>®</sup> X 100 Hz/pain	60 min		The second
	Settings slightly above threshold			
	Plate electrodes, large		HH	
	One electrode to both upper arms			HH
			$( \langle \langle \rangle \rangle)$	( )
			AL	h b
			ter Land	40
Channel III	SimuFAM <sup>®</sup> i	60 min	$\bigcap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			
	Whole-body treatment			
	Two electrodes under the soles of foo	t,	LAZAN	MILAN
	two electrodes on the forearms, one electrodes in the neck			
	one electrodes in the neck		ARTIN	
Channel IV			Two Y has	
			MM	
			IM	hh
			$( \langle \langle \rangle \rangle)$	$(\Lambda)$
			AA	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Postoperative intestinal atonies

Channel I	SimuFAM <sup>®</sup> i	60 min	$\square \square$	$\bigcap$
	Settings at 4 and 16 kHz at threshold	•		
	Plate electrodes, large		MA	
	Whole-body treatment			
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MAN	H HA
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	60 min		
Channel II	Settings at 4 and 16 kHz at threshold			TUN LING
	Plate electrodes, large		$+$ $\wedge$ $\mu$	
	One to two abdominally against one to	a two dorsally	- MJ	
	(sacrum, lumbar spine, lower thoracic			
	(sucruit, runtour spine, rower utoruere	(spine)	() () ()	
			AA	
			Euch Law	🖉 👅
Channel III				
Channel IV				
			-	

Position:

lying

## **Therapies:**

Number Frequency 10 2-3 times a week



# **Radicular syndromes**

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, large		AA	
	Whole-body treatment			$\mathcal{K} \parallel \mathfrak{N}$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	60 min		
Channel II		ou min		
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes, large			
	Two to four electrodes ventrally abdo		IIM	HH
	electrodes dorsally in the area of the le	ower thoracic and	$( \langle \langle \rangle \rangle)$	$( \langle \rangle \rangle )$
	the lumbar spine			
			$\mathcal{E}$	
Channel III				
		I		
			-	
Channel IV			-	
Channel IV			-	
			-	
			-	

Position:

lying

## **Therapies:**

Number Frequency 10 2-3 times a week



# Pain in the iliosacral joints

Channel I	SimuFAM <sup>®</sup> i	60 min	$\cap$	$\bigcap$
	Settings at 4 and 16 kHz at threshold			$\langle \rangle$
	Plate electrodes, large			
	Whole-body treatment			$R \parallel S$
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	HILAD
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	60 min	ANNY	
Channel II	SimurAW 1 Settings at 4 and 16 kHz at threshold		Tur Y/ WN	
	Plate electrodes, large	· . ·	- MI	
	One electrode each on both ileosacral	Joints		
			$( \langle \langle \rangle \rangle )$	
			AK	
			tered land	🦉 🐚
Channel III				
			-	
			-	
Channel IV			-	
Channel I v			-	
			-	
			-	

Position:

lying

## **Therapies:**

Number Frequency 10 2-3 times a week



# SUDECK's syndrome

Channel I	SimuFAM <sup>®</sup> i	60 min	$\bigcap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold	•		
	Plate electrodes, large		MA	
	Whole-body treatment		A(S)	
	Two electrodes under the soles of foor	t,		
	two electrodes on the forearms,		MANA	HINAD
	one electrodes in the neck			
		1	ARTH	
Channel II			Two Y/ WS	Jun 1 1 1
				$\left[ \right] \left[ \right]$
			1 1 (M	HH
				$( \langle \rangle \rangle )$
			HH	
			$(\xi_t)$	
Channel III				
			-	
Channel IV			-	
Channel I v			-	
			-	
			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



# Acute torticollis

Channel I	SimuFAM <sup>®</sup> X 100 Hz/Schmerz	60 min	$\cap$	$\bigcap$
	Settings slightly above threshold	•		
	Plate electrodes or self adhesive electro	rodes		
	Place one transverse suboccipitally on	e transverse below		$\mathcal{H}$
	that (caudal direction) in the neck			
			HAMA	HINGA
Channel II			ANNA	ANNA
Channel II			Two Y har	Tur his
			I MA	LIL
			$\left  \right\rangle_{-} \left( \right) \right  $	
				AR
Channel III				
			-	
			-	
Channel IV			-	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



Psychiatry

# Anxiety disorder, Depressions

Channel I	SimuFAM <sup>®</sup> i	30 min	$\bigcap$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold		1 🔍 🖡	$\langle \rangle$
	Plate electrodes, large		MA	
	Whole-body treatment			
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	HINAD
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	30 min	ANT	ANA
Channel II	Settings at 4 and 16 kHz at threshold		Two Y WS	7411/
	Plate electrodes		i NH	
	Binaurally (one each on both auricles)	). Use electrodes		
	with good moistened spong pockets.	, ,		
			$  \langle \rangle $	
			A 13	
Channel III				
			-	
			-	
Channel IV				
Chamber I V				
			-	
			-	

Position:

lying

# **Therapies:**

Number Frequency 10 2-3 times a week



Psychiatry

# Withdrawal symptoms in alcoholism Withdrawal symptoms in drug addiction

Channel I	SimuFAM <sup>®</sup> i	30 min		$\bigcap$
	Settings at 4 and 16 kHz at threshold		┓ ┓ ┛	$\langle \rangle$
	Plate electrodes, large			
	Whole-body treatment			
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MANA	HING
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	30 min	ANT	4 MAR
Channel II	Einstellung bei 4 und 16 kHz schwell		Two Y has	Tun has
	Plate electrodes medium with spong p			
	Binaurally (one each on both auricles			HH
	with good moistened spong pockets.			
Channel III				
Channel IV				
			1	
			]	

Position:

lying

### **Therapies:**

Number Frequency 10 2-3 times a week



Psychiatry

# Phobiae

Channel I	SimuFAM <sup>®</sup> <i>i</i>	30 min	$\square \square \square$	$\bigcirc$
	Settings at 4 and 16 kHz at threshold		- •	
	Plate electrodes, large		- MA	
	Whole-body treatment		A TRO	RITA
	Two electrodes under the soles of foo	t,		
	two electrodes on the forearms,		MAN	HINA
	one electrodes in the neck			
Channel II	SimuFAM <sup>®</sup> i	20	ARTIN	
Channel II		30 min	-Tw   Y/   WD	
	Settings at 4 and 16 kHz at threshold			
	Plate electrodes medium with spong p		I MM	
	Binaurally (one each on both auricles	). Use electrodes	IIM	HH
	with good moistened spong pockets.		$( \langle \langle \rangle \rangle )$	
			AA	
			Ed (w)	
Channel III				
			_	
			-	
			_	
Channel IV			-	
			-	
			_	
			-	

Position:

lying

# Therapies:

Number Frequency 10 2-3 times a week



Index Acute torticollis 72 Adipositas 23 Adnexitis 13 Amyotrophic lateral sklerosis 42 Anxiety disorder 73 Arterial hypertonia 24 Arterial occlusive diseases 24 Arthosis of the carpus 50 Arthrosis of the ankle joints 54 Arthrosis of the hip joints 51 Arthrosis of the knee joints 52 Arthrosis of the shoulder 53 Atypical faciocephalalgia 43 Baker's cysts 55 Bekhterev's arthritis 62 BING-HORTON syndrome 34 Cardiac discomforts, functional 32 Chondromalacia patellae 57 Chondropathia patellae 57 Chronic otitis media 19 Conjunctivitis, allergic 49 Contusions in the hip region 61 Coxarthrosis 51 Cystitis 14 Cystopyelitis 14 Cystopyelonephritis 14 Decubitus 27 Depressions 73 Diabetic angiopathy 29 Distorsions in the hip region 58 Dysmenorrhea 15 epicondylitis 59 Facial nerve paresis 45 Fractures in the hip region 60 Frontal sinusitis 20 Hematoma in the sural region 31 Laryngitis 18

Maxillary sinusitis 21 Migraine 34 Migraine (treatment at intervals) 33 Muscular tensions 63 Myogeloses 64 Neurodermatitis 10 Nocturnal enuresis 44 **Obstipation 35** Osteoporosis 65 Pain caused by IUPs 16 Pain in the ileosacral joints 70 Periarthritis humeroscapularis 67 Phobiae 75 Polyneuropathies 46 Postoperative intestinal atonies 68 Posttraumatic edema 36, 37 Prepatellarbursitis 56 Psoriasis 11 Radiation injuries 12 Radicular syndromes 69 Raynaud's syndrome 38 Shoulder pain in hemiplegia 47 Spasmodic asthma 26 Stasis ulcer 40 Stress-urine incontinence 17 SUDECK's syndrome 71 Syndrome of the apex of patella 66 Tension headache 48 Thromboangiitis obliterans 30 Thromboseprophylaxe 39 Tinnitus 22 Uratic arthritis 25 Vasomotoric headache 48 Venous insufficiency 41 Withdrawal symptoms in alcoholism 74 Withdrawal symptoms in drug addiction 74




Notes




Notes



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