

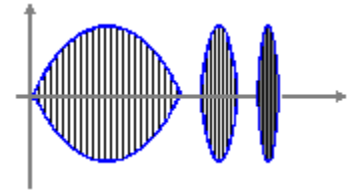
## Treatment Programs

### Post-Traumatic Pain Group

#### Treatment N 1

##### **Premodulated Interferential current, LF, Beat Frequency Sweep, Hot/Cold**

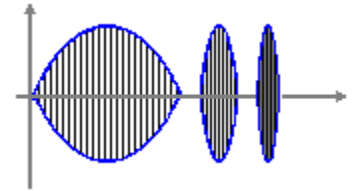
Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)
Carrier Frequency	2,000 Hz
Beat Frequency	Low: 20 Hz, High: 200 Hz
Electrical Mode	Constant Voltage
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



#### Treatment N 2

##### **Premodulated Interferential current, LF, Beat Frequency Sweep, Cold**

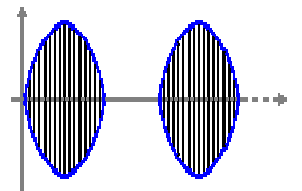
Temperature mode	Constant, Cold, +10°C
Carrier Frequency	2,000 Hz
Beat Frequency	Low: 20 Hz, High: 200 Hz
Electrical Mode	Constant Voltage
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



#### Treatment N 3

##### **Premodulated Interferential Current, LF, Hot/Cold**

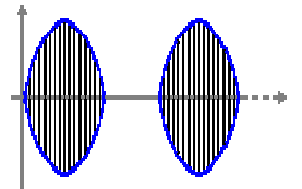
Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)
Carrier Frequency	2,000 Hz
Beat Frequency	10 Hz
Electrical Mode	Constant Voltage
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



#### Treatment N 4

##### **Premodulated Interferential Current, LF, Cold**

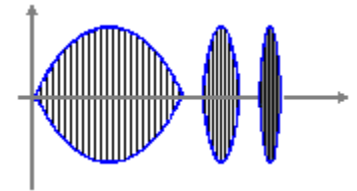
Temperature mode	Constant, Cold, +10°C (min)
Electrical Mode	Constant Voltage
Carrier Frequency	2,000 Hz
Beat Frequency	10 Hz
Max Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 5**

**Premodulated Interferential current, LF, Beat Frequency Sweep, Hot/Cold**

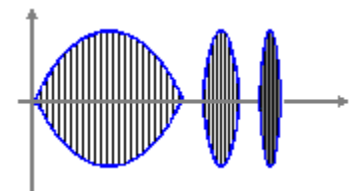
Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)
Electrical Mode	Constant Voltage
Carrier Frequency	3,000 Hz
Beat Frequency	Low: 20 Hz, High: 200 Hz
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 6**

**Premodulated Interferential current, LF, Beat Frequency Sweep, Cold**

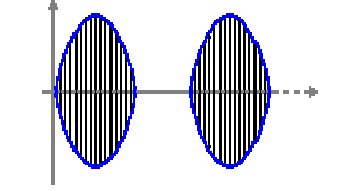
Temperature mode	Constant, Cold, +10°C
Electrical Mode	Constant Voltage
Carrier Frequency	3,000 Hz
Beat Frequency	Low: 20 Hz, High: 200 Hz
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 7**

**Premodulated Interferential Current, LF, Hot/Cold**

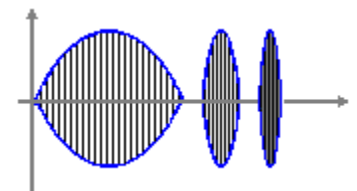
Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)
Carrier Frequency	3,000 Hz
Beat Frequency	10 Hz
Electrical Mode	Constant Voltage
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 8**

**Premodulated Interferential Current, LF, Cold**

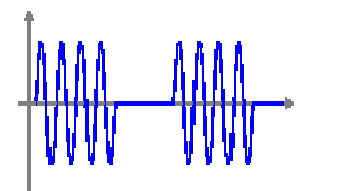
Temperature mode	Constant, Cold, +10°C
Carrier Frequency	3,000 Hz
Beat Frequency	10 Hz
Electrical Mode	Constant Voltage
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



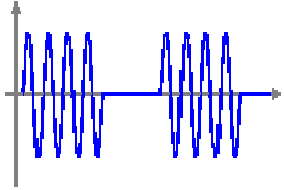
**Treatment N 9**

**Russian Current, Hot/Cold**

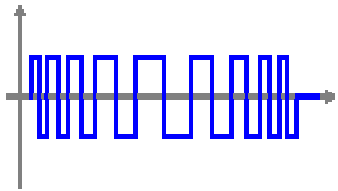
Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)
Electrical Mode	Constant Voltage
Carrier Frequency	2,500 Hz
Burst Frequency	100 Hz
Max Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



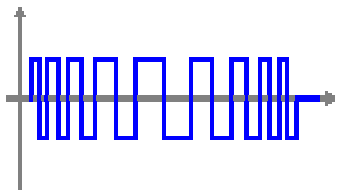
**Treatment N 10**  
**Russian Current, Cold**

Temperature mode	Constant, Cold, +10°C	
Electrical Mode	Constant Voltage	
Carrier Frequency	2,500 Hz	
Burst Frequency	100 Hz	
Max Amplitude	60 V	
Duty Cycle	33 %	
Treatment Time	30 min	

**Treatment N 11**  
**Biphasic rectangular, Sweep Pulse duration, Hot/Cold**

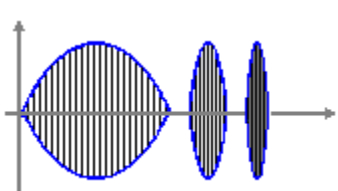
Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C	
Temperature cycle time	15 min (7.5 min Hot, 7.5 min Cold)	
Electrical Mode	Constant Voltage	
Pulse Duration High	400 us	
Pulse Duration Low	50 us	
Pulse Duration Step	50 us	
Max Amplitude	60 V	
Treatment Time	30 min	

**Treatment N 12**  
**Biphasic rectangular, Sweep Pulse duration, Cold**

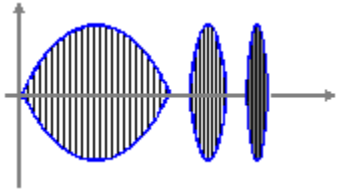
Temperature mode	Constant, Cold, +10°C (min)	
Electrical Mode	Constant Voltage	
Pulse Duration High	400 us	
Pulse Duration Low	50 us	
Pulse Duration Step	50 us	
Max Amplitude	60 V	
Treatment Time	30 min	

**Chronic Pain Group**

**Treatment N 13**  
**Premodulated Interferential current, LF, Beat Frequency Sweep, Hot/Cold**

Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C	
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)	
Electrical Mode	Constant Voltage	
Carrier Frequency	2,000 Hz	
Beat Frequency	Low: 20 Hz, High: 200 Hz	
Amplitude	60 V	
Duty Cycle	33 %	
Treatment Time	30 min	

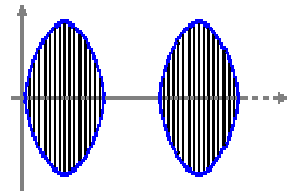
**Treatment N 14**  
**Premodulated Interferential current, LF, Beat Frequency Sweep, Hot**

Temperature mode	Constant, Hot, +42°C (max)	
Carrier Frequency	2,000 Hz	
Beat Frequency	Low: 20 Hz, High: 200 Hz	
Electrical Mode	Constant Voltage	
Amplitude	60 V	
Duty Cycle	33 %	
Treatment Time	30 min	

**Treatment N 15**

**Premodulated Interferential Current, LF, Hot/Cold**

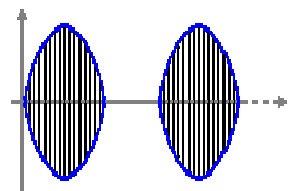
Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)
Carrier Frequency	2,000 Hz
Beat Frequency	10 Hz
Electrical Mode	Constant Voltage
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 16**

**Premodulated Interferential Current, LF, Hot**

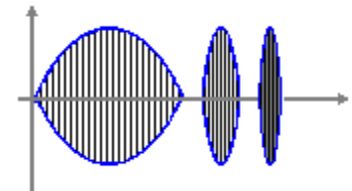
Temperature mode	Constant, Hot, +42°C (max)
Electrical Mode	Constant Voltage
Carrier Frequency	2,000 Hz
Beat Frequency	10 Hz
Max Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 17**

**Premodulated Interferential current, MF, Beat Frequency Sweep, Hot/Cold**

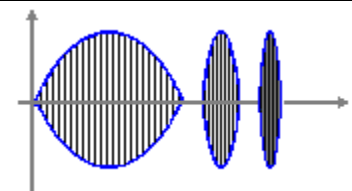
Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)
Electrical Mode	Constant Voltage
Carrier Frequency	4,000 Hz
Beat Frequency	Low: 10 Hz, High: 200 Hz
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 18**

**Premodulated Interferential current, MF, Beat Frequency Sweep, Hot**

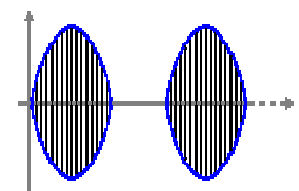
Temperature mode	Constant, Hot, +42°C (max)
Carrier Frequency	4,000 Hz
Beat Frequency	Low: 10 Hz, High: 200 Hz
Electrical Mode	Constant Voltage
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 19**

**Premodulated Interferential Current, MF, Hot/Cold**

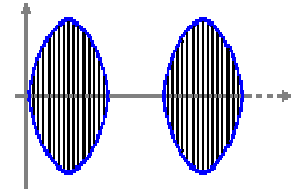
Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature Cycle Time	14 min (7.5 min Hot, 7.5 min Cold)
Electrical Mode	Constant Voltage
Carrier Frequency	4,000 Hz
Beat Frequency	50 Hz
Max Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 20**

**Premodulated Interferential Current, MF, Hot**

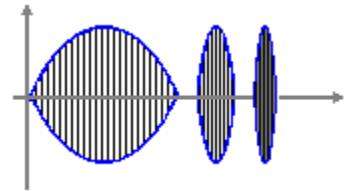
Temperature mode	Constant, Hot, +42°C
Electrical Mode	Constant Voltage
Carrier Frequency	4,000 Hz
Beat Frequency	50 Hz
Max Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 21**

**Premodulated Interferential current, HF, Beat Frequency Sweep, Hot/Cold**

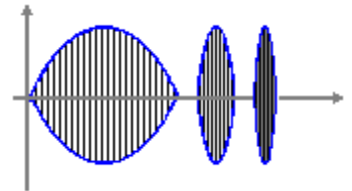
Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)
Electrical Mode	Constant Voltage
Carrier Frequency	7,000 Hz
Beat Frequency	Low: 10 Hz, High: 200 Hz
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 22**

**Premodulated Interferential current, HF, Beat Frequency Sweep, Hot**

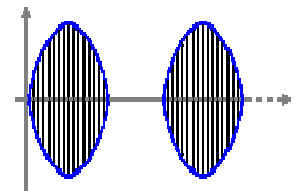
Temperature mode	Constant, Hot, +42°C
Electrical Mode	Constant Voltage
Carrier Frequency	7,000 Hz
Beat Frequency	Low: 10 Hz, High: 200 Hz
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 23**

**Premodulated Interferential Current, HF, Hot/Cold**

Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)
Carrier Frequency	7,000 Hz
Beat Frequency	200 Hz
Electrical Mode	Constant Voltage
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



**Treatment N 24**

**Premodulated Interferential Current, MF, Hot**

Temperature mode	Constant, Hot, +42°C (max)
Electrical Mode	Constant Voltage
Carrier Frequency	7,000 Hz
Beat Frequency	200 Hz
Max Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min

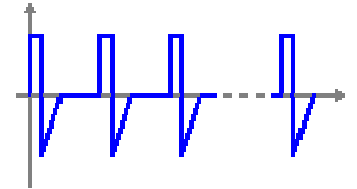


## Deep Chronic Pain Group

### Treatment N 25

The asymmetric biphasic rectangular pulse is an alternating current with positive rectangular pulses and negative triangular pulses, LF.

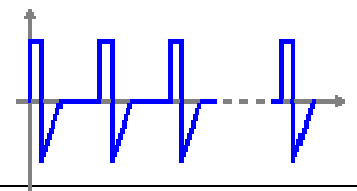
Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature cycle time	14 min (7.5 min Hot, 7.5 min Cold)
Electrical Mode	Constant Voltage
Pulse Frequency	10 Hz
Phase Duration	40 ms
Amplitude	60 V
Treatment Time	30 min



### Treatment N 26

The asymmetric biphasic rectangular pulse is an alternating current with positive rectangular pulses and negative triangular pulses, LF.

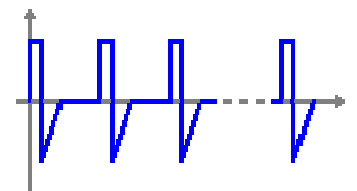
Temperature mode	Constant, Hot, +42°C
Electrical Mode	Constant Voltage
Pulse Frequency	10 Hz
Phase Duration	40 ms
Amplitude	60 V
Treatment Time	30 min



### Treatment N 27

The asymmetric biphasic rectangular pulse is an alternating current with positive rectangular pulses and negative triangular pulses, MF.

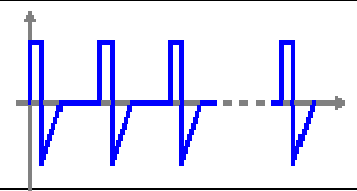
Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature cycle time	14 min (7.5 min Hot, 7.5 min Cold)
Electrical Mode	Constant Voltage
Pulse Frequency	50 Hz
Phase Duration	8 ms
Amplitude	60 V
Treatment Time	30 min



### Treatment N 28

The asymmetric biphasic rectangular pulse is an alternating current with positive rectangular pulses and negative triangular pulses, MF.

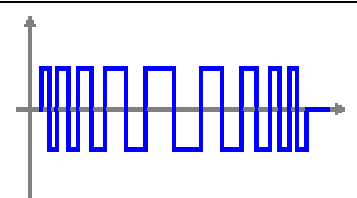
Temperature mode	Constant, Hot, +42°C
Electrical Mode	Constant Voltage
Pulse Frequency	50 Hz
Phase Duration	8 ms
Amplitude	60 V
Treatment Time	30 min



### Treatment N 29

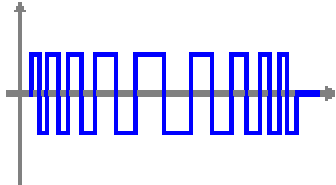
**Biphasic rectangular, Sweep Pulse duration, Hot/Cold**

Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C
Temperature cycle time	14 min (7.5 min Hot, 7.5 min Cold)
Electrical Mode	Constant Voltage
Pulse Duration High	400 us
Pulse Duration Low	50 us
Pulse Duration Step	50 us
Max Amplitude	60 V
Treatment Time	30 min



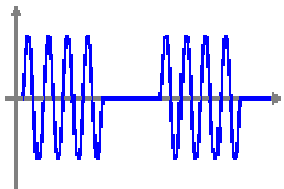
**Treatment 30**

**Biphasic rectangular Sweep Pulse duration, Hot**

Temperature mode	Constant, Hot, +42°C	
Electrical Mode	Constant Voltage	
Pulse Duration High	400 us	
Pulse Duration Low	50 us	
Pulse Duration Step	50 us	
Max Amplitude	60 V	
Treatment Time	30 min	

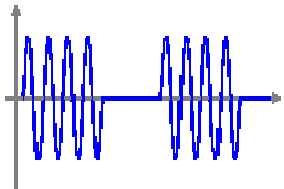
**Treatment N 31**

**Russian Current, Hot/Cold**

Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C	
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)	
Electrical Mode	Constant Voltage	
Carrier Frequency	2,500 Hz	
Burst Frequency	100 Hz	
Max Amplitude	60 V	
Duty Cycle	33 %	
Treatment Time	30 min	

**Treatment N 32**

**Russian Current, Hot**

Temperature mode	Constant, Hot, +42°C (max)	
Electrical Mode	Constant Voltage	
Carrier Frequency	2,500 Hz	
Burst Frequency	100 Hz	
Max Amplitude	60 V	
Duty Cycle	33 %	
Treatment Time	30 min	

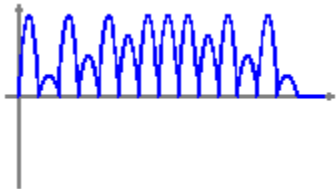
**Treatment N 33**

**Diadynamic LP ramps up and down every other pulse over a period of time. Hot/Cold**

Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C	
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)	
Phase Duration	10 ms	
Electrical Mode	Constant Voltage	
Amplitude	60 V	
Amp.Variation Max	100 %	
Amp.Variation Min	0 %	
Amp.Variation Step	20 %	
Treatment Time	30 min	

**Treatment N 34**

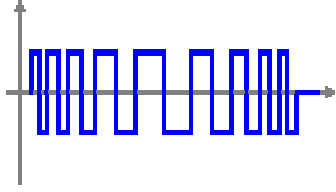
**Diadynamic LP ramps up and down every other pulse over a period of time. Hot**

Temperature mode	Constant, Hot, +42°C (max)	
Phase Duration	10 ms	
Electrical Mode	Constant Voltage	
Amplitude	60 V	
Amp.Variation Max	100 %	
Amp.Variation Min	0 %	
Amp.Variation Step	20 %	
Treatment Time	30 min	

**Swelling Reduction Group**

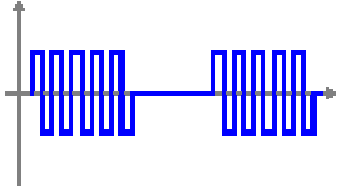
**Treatment N 35**

**Biphasic rectangular, Sweep Pulse duration, Cold**

Temperature mode	Constant, Cold, +10°C (min)	
Electrical Mode	Constant Voltage	
Pulse Duration High	400 us	
Pulse Duration Low	50 us	
Pulse Duration Step	50 us	
Max Amplitude	60 V	
Treatment Time	30 min	

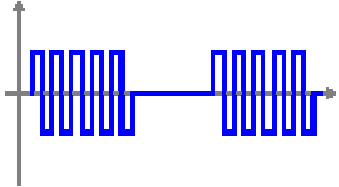
**Treatment N 36**

**Biphasic rectangular Pulses, Cold**

Temperature mode	Constant, Cold, +10°C (min)	
Electrical Mode	Constant Voltage	
Burst Frequency	100 Hz	
Pulse Duration	0.3 ms	
Pulses in Burst	10	
Maximum Amplitude	60 V	
Treatment Time	30 min	

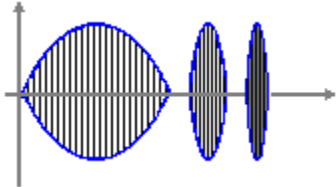
**Treatment N 37**

**Biphasic rectangular Pulses, Cold**

Temperature mode	Constant, Cold, +10°C (min)	
Electrical Mode	Constant Voltage	
Burst Frequency	100 Hz	
Pulse Duration	0.2 ms	
Pulses in Burst	10	
Maximum Amplitude	60 V	
Treatment Time	30 min	

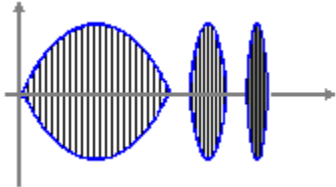
**Treatment N 38**

**Premodulated Interferential current, MF, Beat Frequency Sweep, Cold**

Temperature mode	Constant, Cold, +10°C (min)	
Electrical Mode	Constant Voltage	
Carrier Frequency	4,000 Hz	
Beat Frequency	Low: 10 Hz, High: 200 Hz	
Amplitude	60 V	
Duty Cycle	33 %	
Treatment Time	30 min	

**Treatment N 39**

**Premodulated Interferential current, MF, Beat Frequency Sweep, Cold**

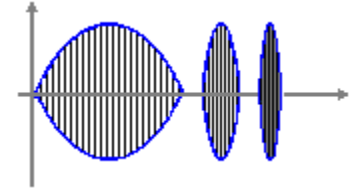
Temperature mode	Constant, Cold, +10°C (min)	
Carrier Frequency	5,000 Hz	
Beat Frequency	Low: 10 Hz, High: 200 Hz	
Electrical Mode	Constant Voltage	
Amplitude	60 V	
Duty Cycle	33 %	
Treatment Time	30 min	

## Relax Muscle Spasms Group

### Treatment N 40

#### Premodulated Interferential current, MF, Beat Frequency Sweep, Hot

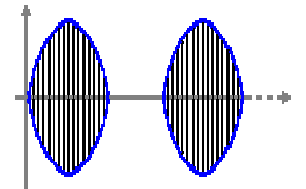
Temperature mode	Constant, Cold, +42°C (max)
Electrical Mode	Constant Voltage
Carrier Frequency	4,000 Hz
Beat Frequency	Low: 10 Hz, High: 100 Hz
Amplitude	60 V
Duty Cycle	33 %
Treatment Time	30 min



### Treatment N 41

#### Premodulated Interferential Current, MF, Hot

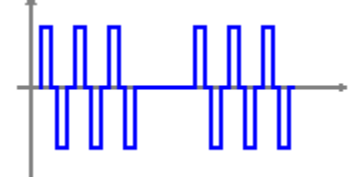
Temperature mode	Constant, Hot, +42°C (max)
Electrical Mode	Constant Voltage
Carrier Frequency	5,000 Hz
Beat Frequency	25 Hz
Max Amplitude	60 V
Duty Cycle	33 %
Ramp Time	1 s
Stim Time	15 s
Sleep Time	5 s
Treatment Time	30 min



### Treatment N 42

#### VMS, Biphasic rectangular Pulses with interphase interval, Hot

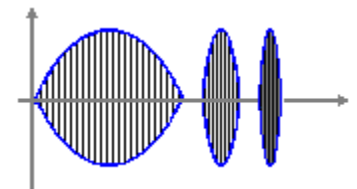
Temperature mode	Constant, Hot, +42°C
Electrical Mode	Constant Voltage
Burst Frequency	200 Hz
Phase Duration	0.2 ms
Amplitude	60 V
Ramp Time	1 s
Stim Time	15 s
Sleep Time	4 s
Treatment Time	30 min



### Treatment N 43

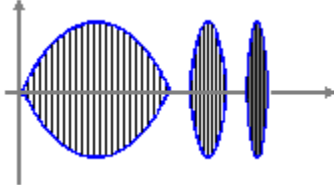
#### Premodulated Interferential current, LF, Beat Frequency Sweep, Hot

Temperature mode	Constant, Cold, +42°C (max)
Electrical Mode	Constant Voltage
Carrier Frequency	5,000 Hz
Beat Frequency	Low: 6 Hz, High: 36 Hz
Amplitude	60 V
Duty Cycle	33 %
Ramp Time	1 s
Stim Time	17 s
Sleep Time	3 s
Treatment Time	30 min



**Treatment N 44**

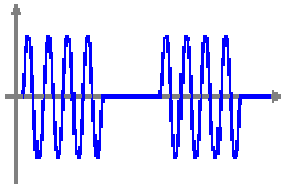
**Premodulated Interferential current, LF, Beat Frequency Sweep, Hot**

Temperature mode	Constant, Cold, +42°C (max)	
Electrical Mode	Constant Voltage	
Carrier Frequency	5,000 Hz	
Beat Frequency	Low: 1 Hz, High: 6 Hz	
Amplitude	60 V	
Duty Cycle	33 %	
Ramp Time	1 s	
Stim Time	17 s	
Sleep Time	3 s	
Treatment Time	30 min	

**Muscle Re-Education Group**

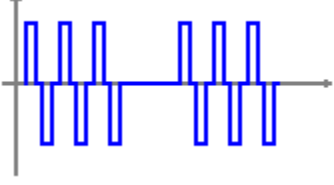
**Treatment N 45**

**Russian Current, Hot/Cold**

Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C	
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)	
Electrical Mode	Constant Voltage	
Carrier Frequency	2,500 Hz	
Burst Frequency	20 Hz	
Max Amplitude	60 V	
Duty Cycle	33 %	
Ramp Time	2 s	
Stim Time	10 s	
Sleep Time	5 s	
Treatment Time	30 min	

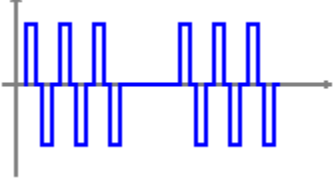
**Treatment N 46**

**EMS-VMS, Biphasic rectangular Pulses with interphase interval, Hot**

Temperature mode	Constant, Hot, +42°C	
Electrical Mode	Constant Voltage	
Burst Frequency	5 Hz	
Phase Duration	0.3 ms	
Amplitude	60 V	
Ramp Time	3 s	
Stim Time	10 s	
Sleep Time	5 s	
Treatment Time	30 min	

**Treatment N 47**

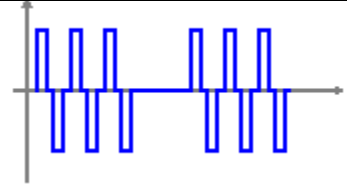
**EMS-VMS, Biphasic rectangular Pulses with interphase interval, Hot**

Temperature mode	Constant, Hot, +42°C	
Electrical Mode	Constant Voltage	
Burst Frequency	10 Hz	
Phase Duration	0.3 ms	
Amplitude	60 V	
Ramp Time	3 s	
Stim Time	10 s	
Sleep Time	5 s	
Treatment Time	30 min	

**Treatment N 48**

**EMS-VMS, Biphasic rectangular pulses with interphase interval, Hot**

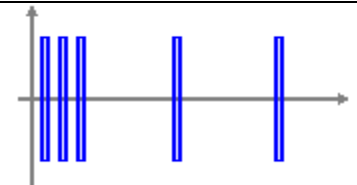
Temperature mode	Constant, Hot, +42°C
Electrical Mode	Constant Voltage
Burst Frequency	20 Hz
Phase Duration	0.3 ms
Amplitude	60 V
Ramp Time	3 s
Stim Time	10 s
Sleep Time	5 s
Treatment Time	30 min



**Treatment N 49**

**EMS, Cycle biphasic symmetrical interpulse dual frequency burst , Hot**

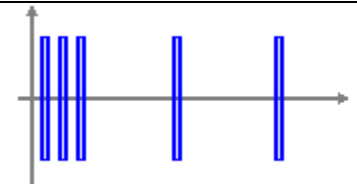
Temperature mode	Constant, Hot, +42°C
Electrical Mode	Constant Voltage
Burst Frequency High	30 Hz
Burst Frequency Low	3 Hz
Amplitude	60 V
Treatment Time	30 min



**Treatment N 50**

**EMS, Cycle biphasic symmetrical interpulse dual frequency burst , Hot**

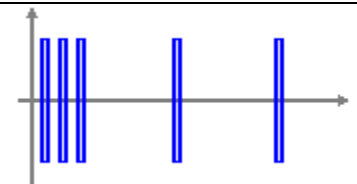
Temperature mode	Constant, Hot, +42°C
Electrical Mode	Constant Voltage
Burst Frequency High	50 Hz
Burst Frequency Low	5 Hz
Amplitude	60 V
Treatment Time	30 min



**Treatment N 51**

**EMS, Cycle biphasic symmetrical interpulse dual frequency burst , Hot**

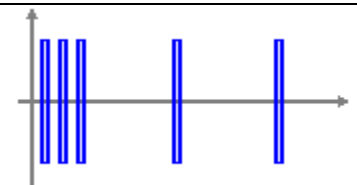
Temperature mode	Constant, Hot, +42°C
Electrical Mode	Constant Voltage
Burst Frequency High	200 Hz
Burst Frequency Low	3 Hz
Amplitude	60 V
Treatment Time	30 min



**Treatment N 52**

**EMS, Cycle biphasic symmetrical interpulse dual frequency burst , Hot**

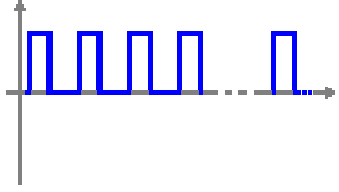
Temperature mode	Constant, Hot, +42°C
Electrical Mode	Constant Voltage
Burst Frequency High	200 Hz
Burst Frequency Low	50 Hz
Amplitude	60 V
Ramp Time	3 s
Stim Time	10 s
Sleep Time	5 s
Treatment Time	30 min



## Iontophoresis Group

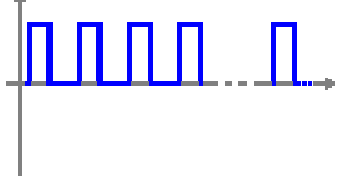
### Treatment N 53

#### Faradic, monophasic rectangular pulse Hot/Cold

Temperature mode	Hot/Cold Cyclic, Min +10°C, Max +42°C	
Temperature Cycle Time	15 min (7.5 min Hot, 7.5 min Cold)	
Electrical Mode	Constant Voltage	
Frequency	50 Hz	
Amplitude	60 V	
Pulse Duration	1ms	
Treatment Time	30 min	

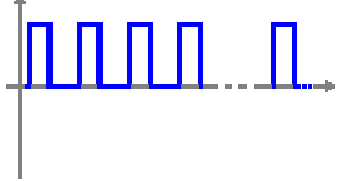
### Treatment N 54

#### Faradic, monophasic rectangular pulse Hot

Temperature mode	Constant, Hot, +42°C (max)	
Electrical Mode	Constant Voltage	
Frequency	50 Hz	
Amplitude	60 V	
Pulse Duration	1ms	
Treatment Time	30 min	

### Treatment N 55

#### Faradic, monophasic rectangular pulse Cold

Temperature mode	Constant, Hot, +10°C (min)	
Electrical Mode	Constant Voltage	
Frequency	50 Hz	
Amplitude	60 V	
Pulse Duration	1ms	
Treatment Time	30 min	