

Advanced Clinical Programming

REGENERATIVE PAIN CONTROL:

- a. Therapeutic Joint Treatment – Jstim + Nerve Spa (60 min program (30min of each))
- b. Therapeutic Back Treatment – Middle Frequencies
 - i. Sinusoidal Constant Middle Frequency-10 min
 - ii. Sinusoidal Constant Middle Frequency with Beat Frequency Created -4000hz carrier with a beat frequency of 150hz – 15min

Intensity : 0-160mA, zero to peak at 500Ω load
0-100mA, peak to peak at 500Ω load

Wave form: Spike Wave, Symmetrical bi-phase rectangular, Sine Wave

Frequency : 7.83-85 Hz, 4000-4357 Hz

Pulse width : 500-2000μS, 5000μS

Treatment timer 30, 35 minutes

NERVE AND NEUROPATHY

- a. Primary Phase – Middle Frequencies
 - i. Modulated Amplitude Sinusoidal Constant Middle Frequency - Constant 4.375 Kilohertz (kHz) - 5min
 - ii. Modulated Amplitude Sinusoidal Constant Middle Frequency-SWEEP(4.357-15.346) Kilohertz (kHz)- with 1 second Frequency Modulation - 5 min
 - iii. Modulated Amplitude Sinusoidal Constant Middle Frequency with Beat Frequency Created -4000hz carrier with a beat frequency of 70hz – 15min
- b. Secondary Phase – Middle Frequencies
 - i. Modulated Amplitude Sinusoidal Constant Middle Frequency – EMS Rise(4.357-15.346) Kilohertz (kHz) - with 36 second Frequency Modulation - 5 min
 - ii. Modulated Amplitude Sinusoidal Constant Middle Frequency – EMS Rise(4.357-15.346) Kilohertz (kHz) - with 110 second Frequency Modulation - 5 min
 - iii. Modulated Amplitude Sinusoidal Constant Middle Frequency with Beat Frequency Created -4000hz carrier with a beat frequency of 70hz – 15min
- c. Maintenance Phase - Nerve Spa (30 min)

Intensity : 0-160mA, zero to peak at 500Ω load
0-100mA, peak to peak at 500Ω load

Wave form: Spike Wave, Symmetrical bi-phase rectangular,

Frequency: 7.83 Hz, 4000-15.346 Hz

Pulse width: 500μS, 5000μS

Treatment timer 25, 30 minutes

RESTORATIVE RECOVERY

(PMT Wave - Decaying spike wave):

- i. Rehabilitative Relief (HIGH Frequency pain relief) (30 min)
- ii. Muscle Activation (LOW Frequency muscle activation) (30 min)–15min

Intensity : 0–200mA peak to peak at 5000 load and 50 μS

Wave form: Symmetrical bi-phase rectangular

Frequency : 3–60 Hz

Pulse width : 200–340μS

Treatment timer 30, 35 minutes

VAGUS NERVE STIMULATION:

- a. Sleep/Insomnia
- b. Anxiety/Depression
- c. Migraine/Vertigo
- d. Headaches

Intensity : 0–2mA peak to peak at 10KΩ load and 50 μS

Wave form: Symmetrical bi-phase rectangular, DJDSWEEP

Frequency : 0.4–20 Hz

Pulse width : 125–500μS, 250–1000mS

Treatment timer 10 minutes

Traditional Multi-Modality Programming

TENS:

Intensity : 0–200mA, zero to peak at 500Ω load and 50 μS

Wave form: Symmetrical bi-phase rectangular,
Asymmetrical bi-phase rectangular,
Mono-phase rectangular

Pulse rate : 1–150 Hz

Pulse width: 50–300 μS

Output types : Burst, Normal, Modulation

Treatment timer 5–90 minutes

RUSSIAN:

Intensity : 0–90mA, zero to peak at 500Ω load

Output types: Synchronous, Alternating

Burst rate : 1–100 Hz

Pulse duration : 384–399 μS

Ramp time : 1–8 s

Contraction on time : 1–60 s

Contraction off time : 1–60 s

Treatment timer 5–90 minutes

EMS :

Intensity : 0–200mA, zero to peak at 500Ω load and 50 μS

Output types: Synchronous, Alternating

Pulse rate : 1–150 Hz

Pulse width : 50–350 μS

Ramp time : 1–8 s

Contraction on time : 1–60 s

Contraction off time : 1–60 s

Treatment timer 10–95 minutes

GALVANIC:

Intensity : 0–36mA, zero to peak at 500Ω load

Output types : Negative, positive, alternating

Frequency : 80 Hz

Pulse width : 700 μS

INTERFERENTIAL:

Intensity : 0–100mA, peak to peak at 500Ω load

Output modes : Bipolar, Quadrupolar, Premod

Carrier Frequency : 4001–10150 Hz

Sweep Frequency : 1–150 Hz

Sweep mode (sec) : 1:1, 1:5:1, 6:6

Treatment timer 5–90 minutes

MICRO CURRENT:

Intensity : 0–1mA, zero to peak at 10KΩ load
0–160mA, zero to peak at 500Ω load

Wave form : Tsunami wave, DJDSWEEP,
Symmetrical bi-phase rectangular

Pulse rate : 0.1–1000 Hz

Pulse width : 0.5–2500 μS, 250mS–500μS

Duty cycle: 1–50% in Monophasic or Bi-phasic,
80–100% in Tsunami

Treatment timer 5–90 minutes