

Acuscope/Myopulse Therapeutic Explanation & Procedures

The following is a guideline for treatment procedures with the Acuscope and Myopulse pain and stress management systems. These instruments are computer assisted and very safe treatment modalities and cannot hyper stimulate or harm the patient.

The Acuscope is effective on all chronic and acute neurological and neuromuscular indications. The Myopulse Facial is excellent for sports injuries/connective tissue, contractile/non contractile tissue and non-surgical facial rejuvenation. (note: refer to Myopulse Facial guidelines procedures). Each system can be used as a stand-alone modality or together. Other milliamperage and microcurrent modalities like TENS, MENS and interferential are constant current devices and contradict the “balancing” effect of this instrument. Ice and heat are good to use with both modalities.

Therapeutic Explanation: The Acuscope and Myopulse are computer-based technologies that utilize a proprietary “carrier wave” that assesses the electro-potential damage of tissue. The computer makes ongoing calculations of tissue resistance and regulates the waveform microcurrent output to provide the best treatment, based on the information it receives. These instruments balance the tissue at the cellular level and puts the autonomic nervous system at rest which is an environment required by the body to “heal” or repair .

Indications: Acute injuries, pre/post surgical, chronic pain, MVA’s, head/neck injuries, headaches, sleep disorders, stress, anxiety, infections, intractable pain patterns, scar tissue, cheloid scars, arthritis, chronic fatigue syndrome, craniosacral balancing, lymphatic drainage, delayed non-union of fractures, neuromuscular/neurological disorders and non-surgical facial rejuvenation (Myopulse Facial).

Treatment Access: Solid bipolar brass probes are used with the Acuscope and Myopulse. Brass alloys in conjunction with the conductive electrolyte, allow the two-way communication between the instrument and patient applying a sub-tingling low voltage microcurrent stimulation. The gentle current “whispers” at tissue as opposed to “shouting” at it. These probes are to be used as an extension of the therapist’s hands for manual therapy to palpate, massage and treat the muscle structures all at the same time. With our unique probes, the clinician can provide the following forms of treatment:

- A. Direct tissue access including muscle belly, nerve root/insertion origin, autonomic trigger points (Travell), across joints, along a muscle or an extremity, across the brain including frontal temporal and occipital points.
- B. Indirect systemic access: non-invasive acupuncture, acupuncture needle stimulation, auricular/odonton therapy, zone reflexology, and lymphatic drainage.
- C. Cranial electrical stimulation: transcranial ear clips or headband. This therapy brings the hemispheres of the brain to “theta” or “meditative” state, providing ultimate levels of relaxation, brain integration and stress reduction. This safe and relaxing treatment powerfully restores the circadian and sleep cycle in insomniac patients and helps to restore emotional and psychological health.

Myopulse Treatment Procedures

- A 24-volt battery powers the Myopulse. The power knob should be turned off at all times and the charger should be plugged in when not in use. For safety reasons the Myopulse cannot be turned on when it is being charged. One or two lights should light up when unit is charging. If not check charging instructions in the manual.
- Examine the patient and determine primary, secondary lesions, pain level and range of motion.
- Choose the probe or probes to be used (Y probe, point specific probes, hand held bar or brass 1"x1" pads) Trigger probes are plugged into the large silver receptacle and the second or indifferent probe is connected to a curly wire and plugged into a remote input beside it.
- Set timer on continuous.
- Set intensity at 100 or 200 uA. It can be set higher after treatment is started keeping it below tingling threshold.
- Set the frequency on auto to scan frequencies from 1.0-60 hz. automatically. You may also set frequency at 0.5 Hz. to start the treatment and move it up to higher frequencies based on the guidelines (attached). Gel the sites to be treated with the conductive electrolyte.
- Unplug charger from wall and turn power knob to "ON" position.
- Set volume feedback to a comfortable level.
- Apply the probes on the gel sites. 000 appears on the LCD until the treatment cycle is activated.
- Now trigger the treatment cycle by pressing and releasing the small black switch on the side of the probe. Do not hold the switch down. Depressing the manual start button on the panel of the instrument can also start the treatment.
- When the treatment is started the LCD will show various numbers on the screen and an audible frequency beeping will be heard. A row of LED's on the Myopulse will also light up indicating that there is good instrument/patient contact. The higher the LED lights up to the right the better the conductivity of current. Lower frequencies penetrated deeper
- Treat on auto for 2-3 minutes then switch to manual frequencies as indicated by the guidelines.
- Switch timer to 16 seconds. Apply four to five 16-second cycles of each frequency to the area. The probes can be held steady to stimulate acupuncture points for example or can be moved to palpate and massage. Removing probes during a cycle will not harm patient.
- Once four to five cycles are complete, move up to another frequency and repeat again. Reevaluate pain level and range of motion.
- With larger muscle areas, massaging the area with any probes should take no more than three to four minutes. Remember, once the tissue is balanced you must give it time to heal.

Procedures cont'd

- Try to feel the release of the muscle or trigger point. Usually the patient will let you know when it is less tender.
- Move on to the next site to be treated and repeat the treatment protocol.
- Focus on tender pain points, triggers that increase pain, reflex points, antagonistic reciprocal muscles.
- Once direct tissue treatment has been given, move to a secondary treatment system like non-invasive acupuncture. This “energetically” supports the direct tissue treatment by opening and balancing the entire meridian falling through the indication. Treat points bilaterally at the same time with two point specific probes.
- Determine, in all patients, if there is a sleep issue, especially in head and neck indications, post surgical, chronic fatigue syndrome or stress related cases. Follow the protocol for transcranial treatments on the guideline sheet (Acuscope and Myopulse facial only).
- When finished TURN INSTRUMENT OFF AND CHARGE IMMEDIATELY.
- Mode 2 on the Myopulse 75L is a support mode that can be used at the same time as mode one, allowing the therapist to treat 2 sites at the same time or perform a facial on Mode 1 while supporting that with an unattended pad treatment on Mode 2. The LCD on Mode 2 only shows a number when active with no audio or LCD feedback. If there is no continuity 000 will show on the display. There is another set of control knobs for Mode 2 timer, intensity and frequency. Set the timer to continuous, intensity to tolerance and frequency as per the guidelines.

Some patients may feel a “rebound” effect or feel worse after the first or second treatment. The reason for this response is that the “symptom” or secondary lesion was treated instead of the primary cause of the problem. Reevaluate the situation and determine the “cause”. If you do not see significant improvement or change in the patient’s pain pattern or range of movement, step back and reassess the problem or primary restriction. Depending on the patient’s overall health and “wellness” and use of medications, some patients may have a delayed or no response to the first treatment. Try to treat the patient two to three times the first week to begin the healing process. Ask the patient not to have a hot shower or bath for at least 2-3 hours after treatment.

Subsequent treatments are accumulative in their effects on the patient, and reduction of pain should hold longer with each treatment. This is a good response and is discussed in the manual. Remember some clients take longer to heal.

For further protocol support call BioHealth at 416 565-0007

Acuscope / Myopulse & Myopulse Facial Frequency Guidelines

Frequency ranges for direct tissue treatment:

0.5-10 hz. Acuscope 0.5-40 hz. Myopulse	To improve blood and lymph flow
20-40 hz. Acuscope 20-60 hz Myopulse	Stimulates autonomic and peripheral nervous system (trigger point work).
80-320 hz. Acuscope 60-100 hz. Myopulse	Enhances metabolic transport, detox of tissue and wound healing/ infections.

Frequency combinations of 160, 40 & 1 hz. for bone mending and arthritic indications
Use auto frequency scanning on the Acuscope 80L and Myopulse 75L for general treatment.
Intensity is set to the highest setting without discomfort to the patient.

Note: If the LCD reading of the Acuscope falls below 90 between treatment cycles, lower the frequency to 0.5 hz., allowing the energy to penetrate deeper. If the number holds you can then increase the frequency accordingly.

Transcranial Treatment (CES) for sleep & stress disorders.

Gel both sides of both earlobes and attach ear clips, sliding them to the web of the ear.

Acuscope: Frequency: 2.5-10 hz. Intensity: 100 ua, Timer: 10-15 minutes
Myopulse: Frequency: 2.0-10 hz. Intensity: 50-100ua. Timer: 10-15 minutes

INTRACTABLE PAIN PATTERNS

The Acuscope/Myopulse helps balance the Autonomic nervous system and stimulates the immune system. In all treatments the clinician must find the “primary and related lesions in order to effectively initiate the healing process. Treat the “cause” not the “symptom”.

The Autonomic system, not subject to voluntary control, governs glands, cardiac muscle, smooth muscle (ie. digestive/respiratory). Division of two systems, sympathetic and parasympathetic. Treatment goal is to put the autonomic system “at rest”

Treat each trigger point on the imbalanced (sore) side of the body for 1-2 minutes.

a: peroneus longus b: peroneal insertion c: hamstring mid belly d: piriformis
e: sartorius f: psoas Baer’s point g: serratus posterior superior h: levator scapula

Bob Moore is a trainer with expertise in chronic/acute pain management and anti-aging. With 20 years experience exclusively with the Acuscope and Myopulse, he has taken therapists to the next level of success. For further information, call or email Biohealth at 416 565-0007 bmoore@xplornet.com. For additional information on his training background visit www.biohealth.ca