What is a Microcurrent and how it CURE

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Microcurrent is a physical therapy modality providing electro muscle stimulation through the means of an electric current delivered in millionths of an ampere. Using the Microcurrent provides little to no feeling of electrical stimulation, this is because it runs in milli-amp vs. amps.

It has the ability to:

• Relieve Chronic Pain
• Increase the rate of wound healing
• Increase protein synthesis
• Stimulate the regeneration of injured tissue
• Stimulate lymphatic flow
• Relieve myofascial trigger points

Patient Benefits:

• Speed the healing process greatly
• Reduce Chronic and Acute Pain
• Chronic and Acute Low Back and Neck Pain
• Orthopedic Injuries
• Fibromyalgia
• Myofascial Pain
• Tendon and Ligament repair
• Reduces swelling and inflammation
• Releases muscle trigger points
• Improves soft tissue regeneration

A few of MANY Conditions treated with Microcurrent Therapy

• Auto-Immune issues
• Endocrine System Balance
• Electromagnetism Issues
• Muscle Balancing Issues
• Endocrine Adaptive Circuit Clearing
• Spinal Adaptive Circuit Clearing

Because microcurrent flows at one millionth of an ampere, it is delivered on the same scale as the current the body produces on its own in each cell, it is therefore physiologic.

Microcurrent is sub sensory and cannot be felt while it is being delivered because there is not enough current to stimulate the sensory receptors.

Traditional electrotherapy units such as TENS, Interferential and Galvanic deliver current in milliamps, which a higher level of current. They can cause muscle contraction and microcurrent cannot.

Microcurrent increases Adenosine Triphosphate production by 500% (ATP). ATP is the primary molecule from which our body produces energy, and it is found in every cell of the body.

In a study done by Ngok Cheng, M.D. entitled “The Effects of Electric Current on ATP Generation, Protein Synthesis and Membrane Transport.”, it was demonstrated that ATP production increased five times with currents from 50 uA to 1000 uA. With currents exceeding 1000 uA, which is the milliamp range, ATP production leveled, and with 5000 uA ATP production was reduced slightly. Microcurrent was also shown to increase protein synthesis and amino acid transport.

The Microcurrent releases deeply stored toxins, deep tissue massage, which also allows cells to release toxins, is used for comparison: 20 minutes of use releases as many toxins as four hours of deep tissue massage. Another positive benefit of is a re-establishment of the normal communication between the brain and the affected tissue.

Note: Placement\Location of Electrodes and
Configuration of Device are critical to the SUCCESS of the Microcurrent Using the Microcurrent provides little to no feeling of electrical stimulation, this is because it runs in milli-amp vs. amps.

**What are the side effects?**

Electro Muscle Stimulation changes muscle tissue, softens scar tissue, and increases circulation with the effect of removing long stored waste products and increasing cellular metabolism so quickly that there is often a detoxification reaction after treatment. Some people have a similar reaction after a massage but the reaction after Microcurrent is stronger because so much is accomplished in such a short period of time. There have been no lasting adverse reactions reported. FSM has a history of being very safe.

**Do the benefits last?**

Every patient responds individually but the changes to the tissues seem to be long lasting. About 60 to 80% of the changes created in one treatment last until the next treatment, about four to seven days. Your muscles are used to responding the way they are and may return to the old configuration if not treated again, although some patients have had permanent changes in one treatment.

**What is it and how does it work?**

Frequency Specific Microcurrent (FSM) utilizes hundreds of frequencies within the range of .01 to 999 Hz, with varying intensities of 20 to 600 micro amps (sub sensory to nerve firing), and has been shown to be of value to many health concerns. Since no tissue biopsy studies have been performed in FSM, it is not known exactly how FSM works; however, well over 100,000 patient cases have been studied. The following is the theory of how FSM works.

Remember your high school chemistry class. Think about
the explanation of the atom. At the center of the atom are the protons and neutrons. This is called the nucleus. Modern research has shown that the electrons actually vibrate back and forth in orbits around the nucleus, instead of spinning in continuous, mono-directional circles. This new understanding is the basis of our FSM theory.

Each tissue in the body has individualized frequencies. The individualized and specific vibrational characteristic of each atom, of each tissue type, varies even more specifically for varying conditions, such as: trauma, inflammation, stress, environmental influences, etc. To put the theory of vibrations in a better overall perspective: different vibrations / frequencies of sound, light, radio waves, etc., are responsible for notes of music, colors of light, and radio stations. Vibrations are specific and unique for all matter, inorganic and organic. When an injury occurs to a tissue, the electrons in the affected tissue take on a different vibrational characteristic, unique to that injury or other abnormal condition. As the vibrations of the electrons change, it is believed the electrons concurrently may also change to a different "orbit" from what was normal for that tissue type.

FSM is "frequency specific" because we match the frequencies of the tissue disruptions with the frequencies we choose for our therapy. The new vibrational characteristics that occur from damage to a tissue are countered with specific microcurrent frequencies that match the exact abnormal frequencies that are present in the damaged tissue. The desired effect is to neutralize those frequencies that are incorrect for the damaged / affected tissues.

As the wrong electron frequencies are neutralized, and the electrons return to their normal orbital vibrations, the physiological condition of the tissues will begin to normalize. The speed at which these changes occur varies
with each individual. Some patients may experience a notable change immediately after treatment, or in some cases the greatest changes will not be noticed for up to 24 hours. Changes occur in steps of progression. It is unreasonable to expect a tissue that was harshly affected by trauma or other outside / environmental influences, to change drastically in one day. Most chronic conditions of long standing will usually demonstrate significant changes after the first six treatments. However this is very individualized and can vary dramatically for any patient and / or condition.

To better explain, if the electrons have been at the "wrong" frequencies for an extended period of time, after treatment the electrons may try to go back to those wrong frequencies (IE rebound) perhaps within four to seven days. Thus the net result is usually an average of six treatments for the notable changes to become long lasting. Microcurrent treatment should be repeated at appropriate intervals until the cause and effect principle becomes permanent.

Our bodies produce an electrical charge that can be scientifically measured. The amount of current or electrical charge used in FSM is approximately the same level as what the cells in our body normally produce. This amount of electrical current is far below are ability to perceive any stimulus via our "sensory nerves." Our sensory nerves are those nerves that allow us to feel anything that touches our skin, allows us to sense heat, etc. If our sensory nerves were able to react at those extremely low levels of electrical charge, we would be feeling nerve sensations all the time, instead of at the appropriate times. This difference accounts for the reason why microcurrent is "sub sensory." The electrical charge produced by microcurrent is below the level at which our sensory nerves can perceive.

A benefit of causing healthy electrical changes at the cellular level is an increase in cellular activity. This
ENHANCED CELLULAR ACTIVITY CAUSES A 500% INCREASE IN ATP PRODUCTION FROM THE CELLS TREATED WITH FSM. (ATP IS THE "FUEL" YOUR BODY MANUFACTURES FOR USE AND / OR STORAGE OF ENERGY.) IN ADDITION TO THE DRAMATIC INCREASE IN ATP PRODUCTION, ENHANCED CELLULAR ACTIVITY ALSO CAUSES AN EXCITEMENT BY YOUR CELLS TO DUMP OLD STORED TOXINS INTO YOUR BLOODSTREAM; TOXINS THAT MAY HAVE BEEN ACCUMULATING OVER YEARS. AS THE RELEASED TOXINS ENTER YOUR BLOODSTREAM, THEY WILL EVENTUALLY REACH AND BE PROCESSED BY YOUR LIVER IN A DETOXIFICATION PATHWAY, THEN DUMPED OUT OF YOUR BODY. YOUR LIVER HAS ENZYMES THAT CAN NORMALLY PROCESS ALL TOXINS; HOWEVER SUCH A DRAMATIC INCREASE IN TOXINS ALL AT ONCE IS LIKE RUSH HOUR TRAFFIC ON THE FREEWAY.

AS THE TOXINS BECOME BACKED UP, SOME SIDE EFFECTS CAN BE EXPERIENCED. THESE INCLUDE: NAUSEA, FATIGUE, DROWSINESS, A TEMPORARY INCREASE IN PAIN, AND A FLU-LIKE FEELING. THESE SIDE EFFECTS, IF EXPERIENCED, MAY OCCUR DURING TREATMENT, OR MAY NOT BE NOTICED UNTIL PERHAPS 90 MINUTES AFTER TREATMENT, AND COULD LAST FROM 4 TO 24 HOURS. TAKING ANTIOXIDANTS AND / OR LIVER SUPPORT SUPPLEMENTATIONS IMMEDIATELY PRIOR TO TREATMENT WILL HELP NEUTRALIZE / PROCESS THOSE TOXINS FASTER. DRINKING TWO QUARTS OF WATER IN THE TWO HOURS IMMEDIATELY FOLLOWING TREATMENT WILL GREATLY HELP FACILITATE / ACCELERATE YOUR LIVER DETOXIFICATION PATHWAYS.

AS AN EXAMPLE OF HOW EFFECTIVE FSM IS IN CAUSING CELLS TO RELEASE DEEPLY STORED TOXINS, DEEP TISSUE MASSAGE, WHICH ALSO ALLOWS CELLS TO RELEASE TOXINS, IS USED FOR COMPARISON: 20 MINUTES OF FSM RELEASES AS MANY TOXINS AS FOUR HOURS OF DEEP TISSUE MASSAGE.

ANOTHER POSITIVE BENEFIT OF FSM IS A RE-ESTABLISHMENT OF THE NORMAL COMMUNICATION BETWEEN THE BRAIN AND THE AFFECTED TISSUE. WHEN A TISSUE HAS BEEN INJURED OR OTHERWISE NEGATIVELY AFFECTED, OVER A PERIOD OF TIME THE ACTIVE ROLE THE BRAIN PLAYS IN EITHER TRYING TO HEAL THE TISSUE OR ACKNOWLEDGING A CONTINUAL CYCLE OF PAIN, MAY BE REDUCED, OR TOTALLY ELIMINATED. THIS IS A SIMILAR BRAIN-TO-
INJURED TISSUE MECHANISM THAT WOULD BE EXPERIENCED IN THE FOLLOWING TWO EXAMPLES.

In the event of endless pain: In a person who has experienced a traumatic emotional event, a state of amnesia may set in so the person may no longer remember that event. This is a form of physiological / psychological protection the body uses to protect the person from any further emotional trauma. On a purely physiological example of how the brain will send signals to heal an injured tissue.

The brain may become "re-awakened" to the pain in that tissue, and will once again participate in sending signals to the rest of the body to heal those old injuries. What the patient may experience in these cases is a mild increase in pain for a few days, to a few weeks. This is a positive sign that the brain is taking a more active role in the recovery process.

Setup Of The Microcurrent Therapy Device

**Proper Setting:**

1) Set the Timer to 40

2) Set the output setting at .03

3) When using the power dials on top never exceed number 3 if you feel the slightest touch of electrical current turn it down to 2.5, 2.0 etc. till you feel NOTHING.

4) After configuring the unit in this manner downloads the FREE Electrode Placement Chart located on our webpage for proper placement.

These are the proper setting and use of this device.

**Note:** Because you cannot feel anything and it cannot harm but only help the body ware it as long as you can every day. When you go to sleep wear it while sleeping it
CAN ONLY HELP YOUR MEDICAL CONDITION.

IF YOU HAVE ANY OTHER QUESTION OR CONCERNS BE SURE TO ASK. OTHERWISE RELAX, DRINK YOUR WATER AND ENJOY THE RELIEF YOU CAN RECEIVE FROM FREQUENCY SPECIFIC MICROCURRENT.

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