



How Laser Acupuncture Redefines Classical Acupuncture?

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Objective: To Find out the Difference between Laser and Classical Acupuncture Energy Effects on Papaya, Banana, Vegetable Seeds.

Materials: Reimers & Janssen GmbH, Model Poly laser Trion, 60 mW, 655/785, 1 & 2 inches Needles, Papaya Tree, Banana, Green Beans & Vegetable seeds.

Introduction: As we know the use of the Laser Modality in Traditional Chinese Medical Practice is not New.

Many Practitioners reckon that it is just simply replacing the classical needle with Light

Energy of the Laser. However, the Effects between Laser Energy and the Classical Needle and the Moxa Roll are different and had not yet been Explored.

The evolution and advances in Technology have enable Lasers to be at the forefront of Medicine fields today. The various type of Laser and its various wavelengths have provided Doctors with unique tools for different subspecialty field of medicine.

Figure 1

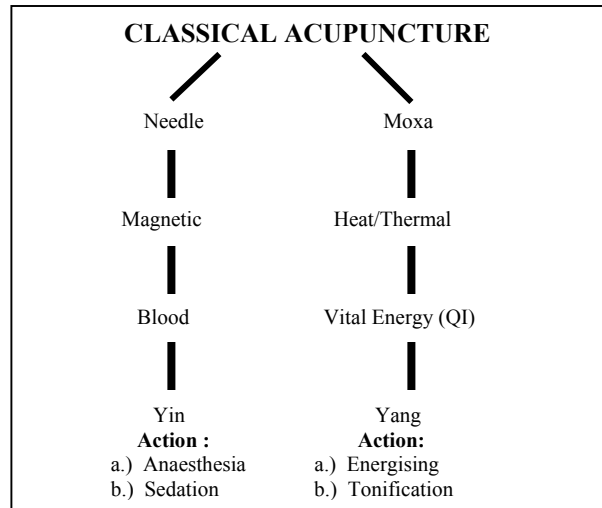
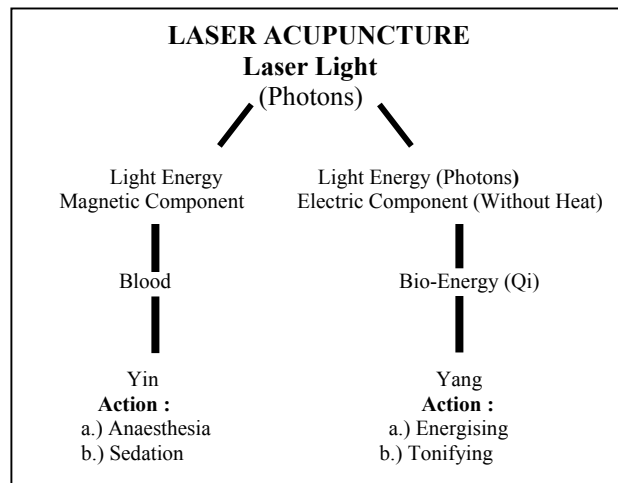


Figure 2



Why Classical Acupuncture Works?

Please see Figure 1.

The main principle of Classical Acupuncture is to promote Qi and Blood Circulation to restore the Body of any imbalance due to Cold, Heat, Dampness, Dryness and Phlegm as its etiology.



What is Laser Acupuncture? Please see Figure 2.

Similarly, in Laser Acupuncture we are introducing Two(2) very powerful systems of Healing to achieve the effects of the Classical Acupuncture without the use of the Needles and Moxa Roll with painless treatment for patient's comfort.

It balances the Vital Bio-Energy (Qi), and increase Blood Micro-circulation through the Cells absorption of the Laser light (Photons) Energy as its mechanism of action. Laser Acupuncture is a relatively new modality where special Laser Light (Photons) Energy is used to apply on specific Acupoints to achieve the effects of Classical Acupuncture to treat different ailments and balance the Body system

Broadly speaking, there are Two (2) categories of Lasers consisting of a) High Power Lasers b) Low Power Lasers.

a) High Power Surgical Lasers and its Applications are :

- a.) 10,000 nm – Carbon Dioxide (Co2) Laser for Surgery
- b.) 2,940 nm – Er : Yag Laser for Skin Resurfacing/ wrinkles
- c.) 1,064 nm – Nd : Yag Laser for PDT Treatment
- d.) 810 nm – High Power Diode Laser for Hair Removal
- e.) 755 nm – Alexandrite Laser for Dark Skin Hair Removal
- f.) 694 nm – Ruby Laser for Port wine Stain/Tattoo Removal.
- g.) 532 nm – KTP Laser for Vascular, Melasma/ Pigmentation

b) Low Level Lasers and its Applications are for Pain Management in Acupuncture, Physiotherapy / Rehab & aesthetics.

- a.) 632.8 nm Helium Neon Laser for Superficial Acupuncture
- b.) 670.0 nm Near Visible Laser for Acupuncture/Aesthetic
- c.) 810.0 nm Near Infrared Diode Laser for Acupuncture,
- d.) 830.0 nm Infrared Diode for Laser Therapy, Pain Management & Lymphatic Therapy
- e.) 904.0 nm Infrared Laser for Pain Management/Edema, Inflammation & Cellulite Therapy

Tissue Effects of High Power Lasers are:

- a.) Excision
- b.) Coagulation
- c.) Vaporization
- d.) No Biological Effects

Tissue Effects of Low Level Lasers Therapy (LLLT) are:

- a.) Increase of Blood Flow
- b.) Increase of Lymphatic
- c.) Increase of Pain Treshold
- d.) Enable Neurotransmitters to Release Endorphin Naturally
- e.) Promote Wound Healing
- f.) Strengthen the Immune System

Type of Lasers used for Acupuncture are:

The range of Lasers suitable for Acupuncture are called Low Level Laser Therapy (LLLT) range in the class 3b Category. The Laser Output Power will not exceed 500 mwatts/Diode.

How Laser Acupuncture redefines Classical Acupuncture?

In Classical Traditional Acupuncture – There are 2 Modalities used:

- a.) Needle
- b.) Moxa

The Needle produced Magnetic Energy which is of the “YIN” type whereas the Moxa Roll generated Heat which gives the Thermal Energy which of the “Yang” Type. The Heat Energy causes Blood vessels Dilation thus increase Blood Flow. This is the Phenomenon of Classical or Traditional Acupuncture where it revitalizes The Body's imbalances of “YIN’ & “YANG” to restore the body to Good Health.

Principle of Laser Physics, $E=mc^2$

Light is electromagnetic field and when it is emitted, it has 2 components namely:

- a) Magnetic (Yin) component perpendicular to the
- b) Electric (Yang) component

In Laser Acupuncture – It is thought that by replacing the Needles with Light Energy we are doing Laser Acupuncture. This is too simplistic and not totally correct, due to Laser special characteristics and properties of Laser Light, the



Photons emitted by the Laser are “Vitamins” to the cells. Also the wavelengths of the Low Level Laser used in Laser Acupuncture also correspond to the Food Vitality chart which corresponding to body wavelength Of 650 nm. Thus, the Laser Photons provide the purest Nutrition for our body.

What is the Different between Classical Acupuncture and Laser Acupuncture?

In Classical Acupuncture – In theory, the Needle (Yin) Energy acts on Blood whereas the Modality of Moxa Roll (Yang) generated Heat to cause blood vessels Dilation which improved the Qi Flow thus Blood and Qi flow.

In Laser Acupuncture – The Laser Light emits Photons Which consists of 2 components of Magnetic (Yin) and Electric (Yang) component of Light. The Magnetic acts On Blood where the electric acts on the Vital Energy (Qi), however it does not generate Heat/Thermal Energy like the Moxa Roll.

The photons are absorbed by the cells which gain Kinetic Energy and Qi microcirculation thus Blood and Qi flow. This Phenomenon of the Laser is very comforting for Children and Elderly as there is no heat or smoke as in the Case of using the Moxa Roll. With advances in Cancer Research, it has found that second hand Smoke is bad For Health thus most Acupuncture Clinics do not use much Of the Moxa Roll. Without using the Moxa in Classical Acupuncture, we no longer can call it Acupuncture as Defined in Classical Acupuncture but rather it should be Called Needle puncture.

Method:

When we use Classical Acupuncture on the papaya while It is still on the papaya tree it has an “Anti-Ripening” Effects so that the papaya stay Ripe on the tree until it is Fully ripen. Also, it had been observed that the Papayas Were not attacked by Insects or Birds as it had a strong Aural of protection around the tree. Although this Anti-Aging effect had not been proven but it was hypothesized To have an effects on the Papaya to keep it ripen on the Tree. In the case of harvested fruits like the Bananas, it Showed its Natural Ripening effects when Acupunctured With Needles.

When the banana were Lasered for 5 minutes of Dosage Of 18 J/cm², the next day the Skin of the Banana turned ‘Black’.

The Green Beans & Vegetables Seeds were Lasered for 5

minutes with a dosage of 18 J/cm². The green Beans in the Bowl were then fill with some water and left if to germinate for 3 days and it had been observed that the Bowl which was Lasered germinate first and eventually grow faster and Longer.

Similarly, some vegetable seeds were Lasered and some Did not and both were buried in a container of soils and after less than a week, the Lasered seeds grow first and as seen on the photographs.

Observation :

In Classical Acupuncture, the Needle with its Magnetic Energy activates on Blood flow & micro-circulation Whereas, the Moxa Roll due to its Heat Energy causes vasodilation of the Blood vessels thus promotes Qi flow In Laser Acupuncture – the electric Energy (Yang) of the Laser generates Thermal/Photons but do not produce Heat to the extend of ‘Burn’ like the Moxa Roll on the Skin The main Difference is that the Electric Energy of the Laser is Photons, different from the Moxa Roll Energy which is Heat (Burning). Also, the Moxa Roll produces Smoke like the cigarette which found that second hand smoke is bad for Health and leave a strong smell in the Clinic. It had been observed that most Clinics do not use the Moxa Roll these days.

Moxa Roll generates Heat/Thermal (Yang) – If we were to use the Moxa Roll on the Papaya, it would “Cook” the Papaya, Beans or Vegetables Seeds.

The Laser/Photons (Yang) – which had no Thermal/Heat unlike the Moxa Roll would enhance the ripening process and accelerate the growth of Beans and Vegetable Seeds. The Seeds will absorb the Laser Photons thus it accelerate Its growth and blossom. You can see the Photons effect as observed in the experiments results.

Conclusion :

It had been observed that in Classical Needles and Laseres When used in Acupuncture created different effects, However each has its own unique characteristics. Further research in this area and more clinical study are required in the meantime, these Two (2) unique modalities are able to be used independently or in complement as the case may be but not just replace Needles with the Light Energy completely.

However, it had been observed that the effects of the Moxa



Roll is Thermal / Heat which is the Yang component of Classical Acupuncture but its effects is different from the Laser which does not produce Heat to achieve the Yang Effects. Since it has no Heat as compared to the Moxa Roll thus it has good Tissue effects if used on the Human Body especially if its etiology is not of the 'Yang' type In Classical Acupuncture, the Needle Energy source is of Magnetic thus it is of the "Yin" type. Whereas the Moxa Roll Energy source is Heat (Thermal) of Electric, thus it is Of the "Yang" type.

This is observed in the experiment on Banana & Papaya Using Needle (Yin) Acupuncture where the Fruits ripen Naturally but the Moxa Roll cannot be used as the Heat (Yang) will "cook" or damage the Fruits.

In Laser Acupuncture, the energy source is of the Electric Type thus it is of the "Yang" type.

This is observed in my experiment on Banana & Vegetable Seeds using the Laser (Yang) although the Banana ripen till The outer Banana skin turned Black in color but the Banana Still can be eaten. Similarly, when Lasered the Vegetable Seeds, it absorbs the Laser Energy and comparing to the Non-lasered seeds the growth was lesser. Although the Laser Energy is "Yang" but it has no Heat as compared to The Moxa Roll thus it has good Tissue Effects if used on the Body especially its Etiology is not of "Yang" Type.

Treatment Dosage :

The beauty of Laser Acupuncture is that the Treatment Dosage of every Acupoint could be quantify to prevent Any over treatment and achieve the Bio-stimulating effects Of the Laser Therapy. In the case of Classical Acupuncture, We are unable of about 20-30 minutes for the whole treatment and not each individual Acupoint was used.

Experimental Results : Please 'Before & After' Photographs attached in the Extracts.

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Lasered Vegetables Effects

06 April 2002
With Laser W/o Laser



Lasered Treated Bean Sprouts

Before – 11 Nov. 2004
With Laser W/o Laser



After – 27 Nov. 2004
With Laser W/o Laser



Papaya Effects with Needle Puncture

Before - 18 May 1997



After - 27 May 1997



Results Of Needle Puncture

Needle Punctured Ripen Papaya



Sweet & Juicy Papaya





Banana Effects with Needle Puncture

Before – 16/07/05



After – 17/07/05



Lasered Banana Effects

Before – 19/03/2007



After – 20/03/2007



Ripening Effect on 2nd Day After Laser Treatment - 20 March 2005



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