

Professional reviews and patients' recommendation booklet

B-Cure Laser efficacy for orthopedic, dental, skin
conditions and sports injuries



Erika Carmel LTD. 5 Nachum Heth St., Hi-Tech Park, Haifa, 3508504, Israel
Phone. +972-73-7293001/2 | Fax. +972-73-7293004 | info@gd-energies.com



The Israel Export &
International Cooperation Institute



Foreign Trade
Administration
MINISTRY OF ECONOMY

THE HEALTHIEST BUSINESS PERSPECTIVE COMPETITION

at Medica, November 12-15, 2014,

Chosen by 100s of Business Visitors at the Israel National Pavilion

First Place Award Winner

B-CURE Laser of ERIKA CARMEL

Ms. Angela W. Rabinovich
Manager, Life Science
Israel Export Institute

Mr. Ofer Sachs
Director General
Israel Export Institute

Mr. Joseph Akerman
Project Manager, MEDICA 2014
FTA, Ministry of Economy



November 30 2014

THE STATE OF ISRAEL
MINISTRY OF HEALTH
SHEBA MEDICAL CENTER TEL HASHOMER

Affiliated to the Tel-Aviv University
Sackler Faculty of Medicine



Dr. Hagay Amir

MD MSH MSc - Orthopedics

Specialist in Orthopedic Surgery and in Physical Medicine and Rehabilitation

P.O box 249 Tirat Yehuda 73175

Tel. 03-9226964

15 July, 2013

Re: **Treatment of IDF Disabled Veterans with Soft Laser Therapy**

Greetings,

In the light of my past experience with soft laser treatments during the last 23 years, and my acquaintance with the scholarly literature on the subject, I was asked by Mr. Michael Schlosser to prepare background and indications in order to examine the possibility of introducing home-use soft laser devices for IDF disabled veterans.

Background

During the long history of medicine, many sages and healers predicted the healing power of the sun, "But for you who revere my name the sun of righteousness shall rise" (Malachi, 3, 20), and many forms of light therapy were proposed.

During the last 60 years, laser treatment techniques evolved meteorically. The laser now serves in many fields, both in industry and in medicine.

The word 'laser' is an acronym of Light Amplification by Stimulated Emission of Radiation. The laser is an electromagnetic monochromatic coherent wave with fixed wavelength, and as such, it has good penetration ability and is able to transfer a large amount of energy to a very narrow beam. The laser use is done by a single beam or a cluster of beams. Repeated studies discovers that in wavelengths of f 600 to 900nm and intensity of 1-1000m W, not only that the laser wave does not cause damages, but it actually has a beneficial effect on the tissues and on the cells function on the systemic level. The term Low Level Laser Therapy (LLLT) is the accepted term to differentiate between soft lasers, which serve for medical treatments, and 'hard laser', which is used in several kinds of surgeries. The accepted terminology is therefore, soft laser, LLLT, cold laser, or low level laser. The laser effect is done on the tissue level by lowering the inflammation factors in the injured area, such as prostaglandin-endopreoxide syntheses 2, interleukin 1-beta, tumor necrosis and factor-alfa. This lowers the entrance of the neutrophil granulocytes, oxidative stress, swelling and hemorrhage. On the cytoplasmatic cellular level, the ADP effect on the mitochondrion, and therefore changes the cellular homeostasis, activates enzymes and increases ATP production.

The device

B-cure Laser, an Israeli Company, managed to expand the width of the beam. This innovation enables to illuminate an area of about 4.5 square centimeters in a 808nm monochromatic coherent wave length and in 250m W intensity.

The soft tissue effective penetration depth of laser with such intensity is up to 4 centimeter under skin layer. The energy can reach up to 6 centimeters, though the effectiveness in such depth is low. There are no known side effects. There are, as well, no known damages when treating above the recommended therapeutic window. The only limitation: recommended not to point directly to the eyes and avoid direct eye contact.

In light of the background presented above, the many researches that were done on the subject in the scholarly literature in the last 20 years, as well as my acquaintance with B-cure Laser and the medical needs of IDF disabled veterans, I would like to detail bellow the recommended indications.

Recommended Indications for Treating IDF Disabled Veterans:

Treating Tendinitis

For Example:

Levator scapula Tendinitis, Bicipital tendinitis, DeQuervain's Tendinitis, Trigger finger, Pez ancerinus Bursitis, Trochanteric Bursitis (in skinny people), runners knee (Biceps femoris tendinitis), Junper's knee (Patellar Tendon Tendinitis), Achilles tendinitis, Plantar Fasceitis.

Treating Small Joints Arthritis*

For Example:

Temporomandibular joint, shoulder pain, finger joints, wrist joints, pains after fracture healing, non-connecting fractures in carpal bones and pains due to osteoporosis in feet joints.

Treating Hard- to-heal Wounds*

Such as diabetic wounds and neuropathic pains.

Treating Acute Injuries*

Painful and absorbed hematoma, injuries and intramuscular hematoma.

Periodontal Healing*

After periodontal surgeries, dental extractions and dental stitching. (In these cases, it is recommended to use high-potency laser).

Treating Nonspecific Back and Neck Pains*

Applying to trigger points, sore muscles and pain points.

- It is important to mention that laser treatment does not come instead of medical diagnosis and treatment by a licensed physician, though it can, with no doubt, serve as a symptomatic treatment in many cases of musculoskeletal pains, as well as adjunctive therapy and prophylaxis.
-

Treating Bio-mechanical Chronic Injuries

In some cases injuries can cause deformations, traumas and biomechanical damages which lead to chronic disorders. These disorders cause pain due to aberrant muscle activation, which in turn cause continuous load on fixed points and chronic pains. Patients, who suffer from these kinds of problems, tend to consume pain killers and other prescribed drugs over long periods of time, which can cause temporary or permanent damage. In these cases it is possible to use the soft laser each time there is an exacerbation of the pain, as well using it as prophylaxis and preservative treatment between exacerbations.

Summery:

According to all the above, and according to the EBM criteria, I believe it will be advisable to use this kind of treatment as an alternative to analgesic symptomatic treatment that is given currently given to IDF disabled veteran, according to the indications above.

Sincerely,

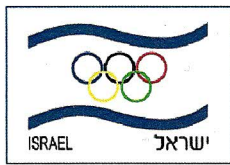
Dr. Hagay Amir

I.D number: 055976021

ד"ר חגי אמיר
מ.ר. 017666
מומחה בכירורגיה אורתופדית
מומחה ברפואה פיזיקלית ושיקום
מס' רשיון מומחה 15923
מס' רשיון מומחה 21655

Selected Bibliography:

1. *Roberta T Chow, Mark I Johnson, Rodrigo A B Lopes-Martins, Jan M Bjordal. Efficacy of low-level laser therapy in the management of neck pain: a systematic review and meta-analysis of randomised placebo or active-treatment controlled trials. Lancet (2009) 374, 1897-908.*
2. *Abrisham, S.M., Kermani-Alghoraishi, M., Ghahramani, R., Jabbari, L., Jomeh, H., Zare M.. Additive effects of low-level laser therapy with exercise on subacromial syndrome: a randomised, double-blind, controlled trial. Clinical Rheumatology (2011) 30(10), 1341-6.*
3. *Alfredo, P.P., Bjordal, J.M., Dreyer, S.H., Meneses, S.R., Zaguetti, G., vanessian, V., Fukuda, T.Y., Junior, W.S., Martins, R., Casarotto, R.A., Marques, A.P. Efficacy of low level laser therapy associated with exercises in knee osteoarthritis: a randomized ouble-blind study. Clinical Rehabilitation, (2012) 26(6), 523-533.*



THE OLYMPIC COMMITTEE OF ISRAEL (R.A)

הוועד האולימפי בישראל (ע"ר)

6 SHITRIT St. TEL- AVIV 69482 • Fax: 972-3-6498395

פקס: 972-3-6498395 • Tel: 972-3-6498385

טל: 972-3-6498385 • 6948206 תל-אביב • רח' שטרית 6

www.olympic.one.co.il

עמותה רשומה מס' 580040707

E-mail: nocil@nocil.co.il

06/02/2014

ו' אדר א תשע"ד

To the attention of:

Erika Carmel Ltd.
5 Nachum Chet, High Tech Park
Haifa

Subject: Confirmation of Cooperation with Israeli Olympic Committee

I hereby confirm the successful cooperation between Erica Carmel Ltd. and the Israeli Olympic Committee regarding the use of the B-Cure Laser, a medical device for pain relief and treatment of sports injuries, as the official device for treating the Olympic Delegation to the Olympic Games in Rio, in 2016.

Sincerely,

Bruria Bigman

Marketing, Advertising and PR Manager
Israeli Olympic Committee

Sydney E. Frank Foundation



מרכז רפואי מאיר
MEIR MEDICAL CENTER



DIADORA



B-CURE[®] LASER *SPORT*

My Personal Physiotherapist

Efficient and healthy medical device for sport injuries



B-CURE LASER *SPORT* was chosen by the Israeli Olympic Committee, along with the full support and backup of its medical staff, as the official sports injuries treatment device of the Israeli Olympians



22.07.2013

To Whom It May Concern,

My name is Dr. David Cohen, a general dentist, private dental practice manager, staff and clinical dentist in the Department of Oral Rehabilitation, School of Dental Medicine Tel Aviv University, Department of Oral and Maxillo-Facial Surgery, Tel Aviv Sourasky (Ichilov)Medical Center, where I serve as a facial pain and TMJ disorder clinician.

I was introduced into the world of dental laser treatment in the nineties, both from the practical and academic aspects. I present lectures on a regular basis to staff members about the use and benefits of the soft laser.

The B-Cure Laser Dental PRO is known for its beneficial help in healing and often minimizing inflammation, at a cellular and lymphatic level. Hence I routinely use it prior to surgery, extraction , Implant placement, neuropathic and myofacial pain.

I give it to my patients to use at home- post treatment. For 6-10 days depending on the situation, and to apply it 3 times daily, for 10 minutes per treatment per specific treatment.

This gives me as a practitioner added confidence in healing and minimizing pain and inflammation for the benefit of my patients.

The B-Cure laser with its additive healing effects improves patient satisfaction as well as give a higher quality of treatment value to my clinic.

Regarding the beneficial properties of the Soft Laser in reducing inflammatory markers, oxidative effects and neural blockade effects makes the B-Cure laser an important player as a anti-inflammatory agent, reducing myofacial pain and trigger points therapy.

I personally recovered from a motorcycle accident using the B-Cure laser in place of pain killers avoiding all the drug side effects and a quicker recovery.

I highly recommend the B-Cure laser Dental Pro as an adjunct to conventional dental treatment and home use treating pain an inflammatory conditions.

Sincerely ,

Dr.David Cohen BDs (Rand) South Africa



02/07/2013



My Name is Professor Yehoshua Moshonov, a dentist and specialist in root canal procedures for over 30 years. Today, I am also the Acting Head of the Endodontic Department at the Dentistry Faculty of the Hebrew and Hadassah University in Jerusalem.

As a dentist I am required to exert a great deal of effort and concentration which, over the years, leads to damage to various areas of the body such as the neck, the lower back and also the hands and arms.

Over time, pain develops in these areas to such an extent that there is a need to use medication and, in extreme cases, even orthopedic surgery.

Recently, I have begun to suffer strong pains in my wrist and thumb joint, this prevents me from holding the equipment I use for any length of time.

As a result, this has reduced the amount of time I can work at the clinic.

Over the past year, I became aware of a device that, happily, significantly eased the pains I felt in my hands.

This device is the B-cure Laser which is a low power level laser device. Exposure of the affected area for just a few minutes, a few times a day has significantly the pain with the result that I have been able to return to my full workload as a dentist.

As a result, I felt the need to try the device on other pains such as those in the mouth cavity, the area in which I work, and the area of the facial muscles and jaw joint. I therefore showed the B-cure to the Oral Medicine Department at Dentistry Faculty of the Hebrew and Hadassah University in Jerusalem where an initial examination of the device was begun on pain in facial muscles and the possibility of easing pain in cases of wounds in the mouth cavity. Initial tests showed that than many patients reported relief from pain. As a result, in the near future further tests and research will be begun.

I am convinced that in many of these cases, it is possible that the B-cure is a solution for patients suffering from these pains as well as for dentists suffering from hand or arm pains or pain in any part of the body where the ability of this device has been proven to help in the past.

Respectfully,

Professor Yehoshua Moshonov,
Endodontic Department at the Dentistry Faculty of the Hebrew and Hadassah University in Jerusalem.

בכריזה,
פרופ' יהושע מושונוב
המחלקה לאנדודונטיה





מכון וינגייט
WINGATE INSTITUTE

November 6, 2013

To:
Erika Carmel Ltd.

Subject: Comprehensive review of the use of the B-Cure laser device in people who are engaged in intensive physical activity.

To whom it may concern,

As part of the physiotherapy treatment given to the Olympic and competitive athletes patients at the Wingate Institute, we have recently started using the B-Cure laser device, which is manufactured by Erika Carmel Ltd, within the Institute and as a home treatment. The treatments were given to a variety of cases, both acute and chronic, and among them were some severe injuries to athletes who were to participate in major competitions within a short period of time.

The B-Cure device is user-friendly, portable and light. In addition to the device used in clinics, there is also a device which is suited for personal home use. We are able to report of our great satisfaction as a result of the pain relief and the improvement in function achieved after using the device in conjunction with other methods of treatment. Patients responded well and continued to avail themselves of the treatment, in addition to the great satisfaction expressed by the athletes with the training quality and the assistance they received from the company's support staff. We highly recommend the B-cure laser as part of an effective treatment for physical trauma, sports injuries and post-surgical recovery.

The following are some of the possible benefits one may expect from the B-Cure laser:

1. Pain reduction in over-training syndromes such as "shin splints" etc. The treatment helps preserve the fitness of athletes and other people who are engaging in strenuous physical exercise and thus minimize absence from training and/or partial participation in physical exercise.
2. Pain reduction and reduced healing time from trauma (especially from superficial trauma such as sprained ankles etc.) which require a relatively long period of treatment.

Wingate Institute for Physical Education & Sport • מכון וינגייט לחינוך גופני ולספורט •
The Ribstein Center for Sport Medicine Sciences and Research • המרכז לרפואת ספורט ולמחקר ע"ש ריבשטיין •

Wingate Institute Netanya 42902, Israel • 580050789 ע.ר. • ישראל • 42902 נתניה • מכון וינגייט נתניה •
sportmed@wingate.org.il • www.wingate.org.il • Fax: 972-9-8639412 • פקס: • Tel: 972-9-8639400/20 • טל:





מכון וינגייט
WINGATE INSTITUTE

There is no doubt that in this manner we have maintained higher levels of functional fitness.

3. An effective field treatment for muscle pains and muscle cramps during very intense/long training sessions (backaches, rotator cuff pain - shoulder, knee pains).

4. The treatment with the B-Cure laser has significantly reduced the use of anti-inflammatory medicines, which are known to have many side effects.

Best regards,

Dr. Luba Galitskaya, The Israeli Olympic team physician, Wingate Institute

Dr. Maya Cale - Benzoor, Head, Department of Physiotherapy, Wingate Institute.

Maya Cale Benzoor

Luba Galitskaya, MD Dr.
License Number 31608
Head of Sports Medicine Department
Wingate Institute



Top Olympic Israeli sportsman testimonials - Yarden jerby, Judoka



Translation of Yarden jerby's
dedication to **B-Cure laser Sport Pro**

“Dear B-Cure laser,
Many thanks for all the
help, dedication,
availability and warmth,
I really appreciate it.”

Yarden jerby
Judoka,
World champion, 2013

B-CURE[®]
LASER SPORT PRO



Top Olympic Israeli sportsman testimonials - Shahar Tzuberi, windsurfer



Sports channel, Online magazine

“The life of a professional sportsman involves injuries. The device shows good results, it’s always in the bag, anywhere in the world. It’s very available, simple and efficient”

08/06/2014

One, online magazine

Shahar Tzuberi

Windsurfer,

won a bronze medal in the 2008 Olympic games, China

B-CURE[®]
LASER SPORT PRO



GOOD
ENERGIES[®]

Top Olympic Israeli sportsman testimonials - Neta Rivkin, Rhythmic gymnast



Shvoong, Online magazine

“I am using the device for several months, I’ve had injuries and the device really helps ... it recuperates the pain area in cases of injuries from intense training and inflammations.”

08/06/2014

One, online magazine

Neta Rivkin

Rhythmic gymnast,
won a bronze medal in the 2011 Rhythmic
Gymnastics World Championship,
member of the Israeli Olympic team to Rio
2016

B-CURE[®]
LASER SPORT PRO



GOOD
ENERGIES[®]

Yael Melamed, Personal Training and rehabilitation



Yael Melamed, M.A.

A fitness trainer with specialization in rehabilitation,
tel. 054-7653206

The Oncology Institute, Meir Hospital, Kfar Saba

An individual treatment in rehabilitation of cancer patients, during chemotherapy treatments and after surgeries.

A rehabilitation physical activity is adapted to a variety of orthopedic problems, (slipped discs, lower back, neck, knees, skeletal problems, muscles and joints) and therapeutic massage.

B Cure Laser came to my knowledge after I was left in pain following a meniscus surgery on my knee and a chronic inflammation in my shoulder. The improvement in the level of pain was nearly instant. In the beginning the use of it was frequent, a few times a day, and after a short while I reduced it, and today the pains are a distant memory.

As a rehabilitation therapist, I receive patients with a variety of orthopedic problems. I have advised many of them to acquire the B Cure Laser device.

So far ten of them have purchased it, and they're all pleased and report an improvement in their pain. Amongst the patients there are those who have suffered from shoulder problems, neck, lower back, scars and oedema after mastectomy, oedema in the ankle area and inflammation in the sole of the foot. In all of them there was an improvement in the pain levels.

I gladly recommend the device that allows one to control the pain anywhere and in comfort, without being dependant on appointments for treatments, and provides a solution for a wide range of problems. I find that in a lot of cases the combination of the appropriate physical activity, passive touch therapy (therapeutic massage) and completing it with the B Cure Laser, provides a complete solution for a wide variety of problems, without necessitating medication or invasive treatments.

Yael.E.Moon@gmail.com 054-7653206

Sept. 2013

To: Erica Carmel Ltd.
5 Nachum Chet St.
High Tech Park
Haifa, 36085

Re: B-Cure Laser Device

I hereby declare I use the medical device B-Cure Laser, which I purchased 3 years ago from Erica Carmel Company. I hereby confirm that this device prevented the leg amputation surgery, after all other medical treatments in the hospital failed.

I started using the device since I had no other choice and after a short period of three months, a diabetic wound, 8 centimeters in diameter, was healed. Today I am a happy human being. I am able to wake like any other person, thanks to this device, which became my loyal and trusted friends, helping me dealing with all kind of serious medical problems such as: toothache, back pain, leg muscles pain, pressure sores, edema in my legs, fingers and ears and others. I continue to use the device as preventive treatment to this very day.

I am very pleased with the results, I strongly recommend it for cases which cannot be treated by regular medicine. Thank you for all the help and the caring for my medical condition.

Sincerely and respectfully yours,
Yaakov Lerner
Misgav Dov 20 Shorer Valley



