

experience the **healing**
nature of **light**

MedX Phototherapy stimulates the body's natural repair response at the cellular level to reduce pain and accelerate healing.

MedX Phototherapy®



MedX introduces FDA cleared, affordable, state of the art low level laser and light therapy devices.

Available from Health Is Wealth Maui LLC and
ColdLaserSupplies.com Ph 1-888-824-7558 or online:
[http://coldlasersupplies.com/products/cold-lasers/
medx-phototherapy-console-and-accessories/](http://coldlasersupplies.com/products/cold-lasers/medx-phototherapy-console-and-accessories/)



Phototherapy Overview



Phototherapy

- Known as low level laser therapy and light therapy
- Therapeutic energy produced by LEDs or SLDs
- Year 2002 FDA made available in the US
- Over 5000 units sold
- 2500 published papers
- 120 randomized controlled studies
- Light penetrates into the cell and is absorbed
- Series of photochemical reactions occur

Reduce *pain*

General Uses of Light

Different wavelengths of light can affect cell activity:

- UV light to treat jaundiced newborns and kill bacteria
- Full spectrum light used to treat seasonal affective disorder (SAD)
- Sunlight facilitates Vitamin D synthesis
- Visible red and infrared for pain and tissue healing

Increase *healing*



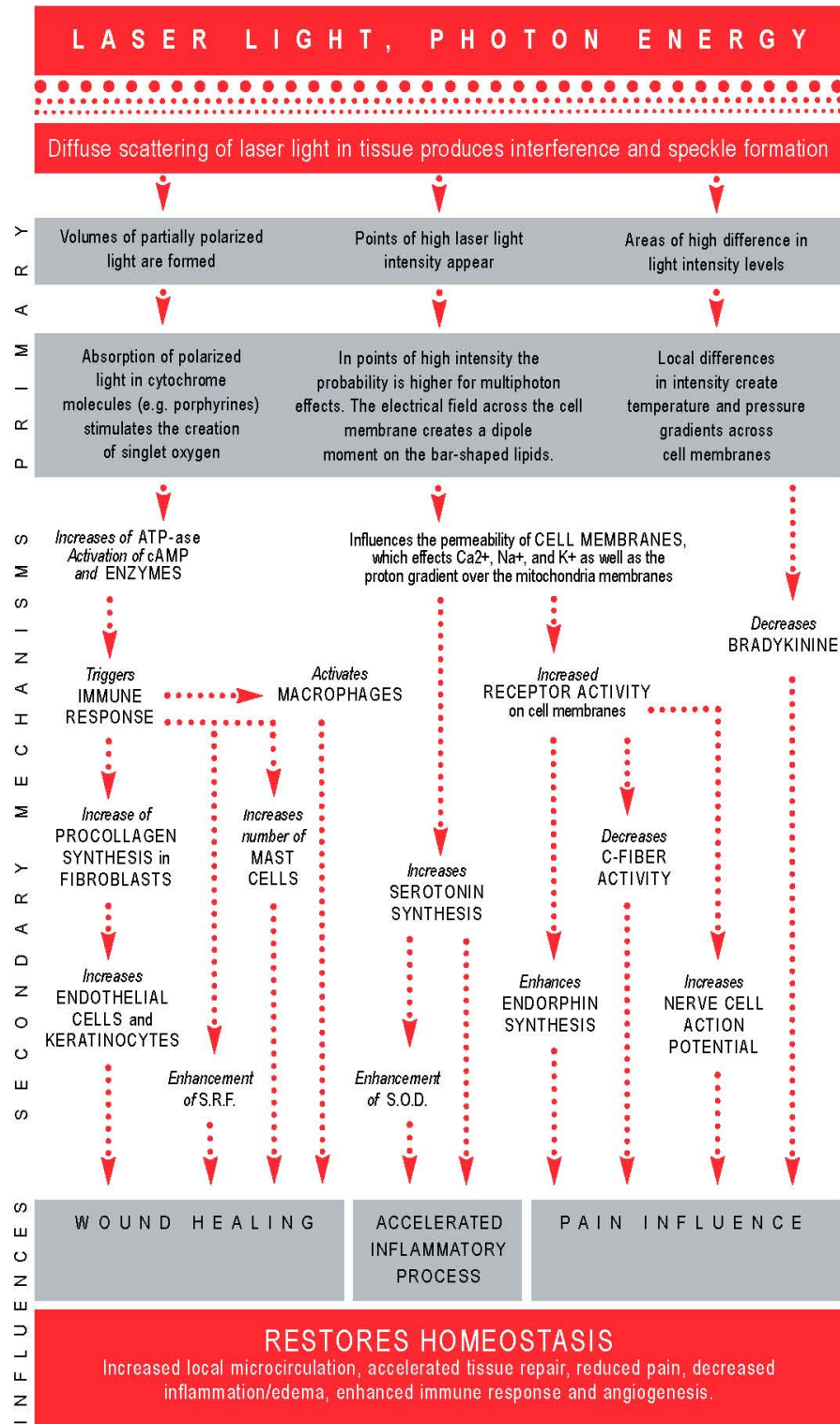
How Phototherapy Works...

- Light energy penetrates the skin and is absorbed by all cell types (muscle, joint, blood, nerve, etc.)^{1,2}
- Light energy is transformed into biochemical energy (similar to photosynthesis) providing additional energy^{1,2}
- Increased ATP production & cellular cascade of events result in enhanced healing, pain relief and restoration of normal cell function.*^{1,2}

1 Tunér J & Hode L, The Laser Therapy Handbook, Prima Books, 2004.

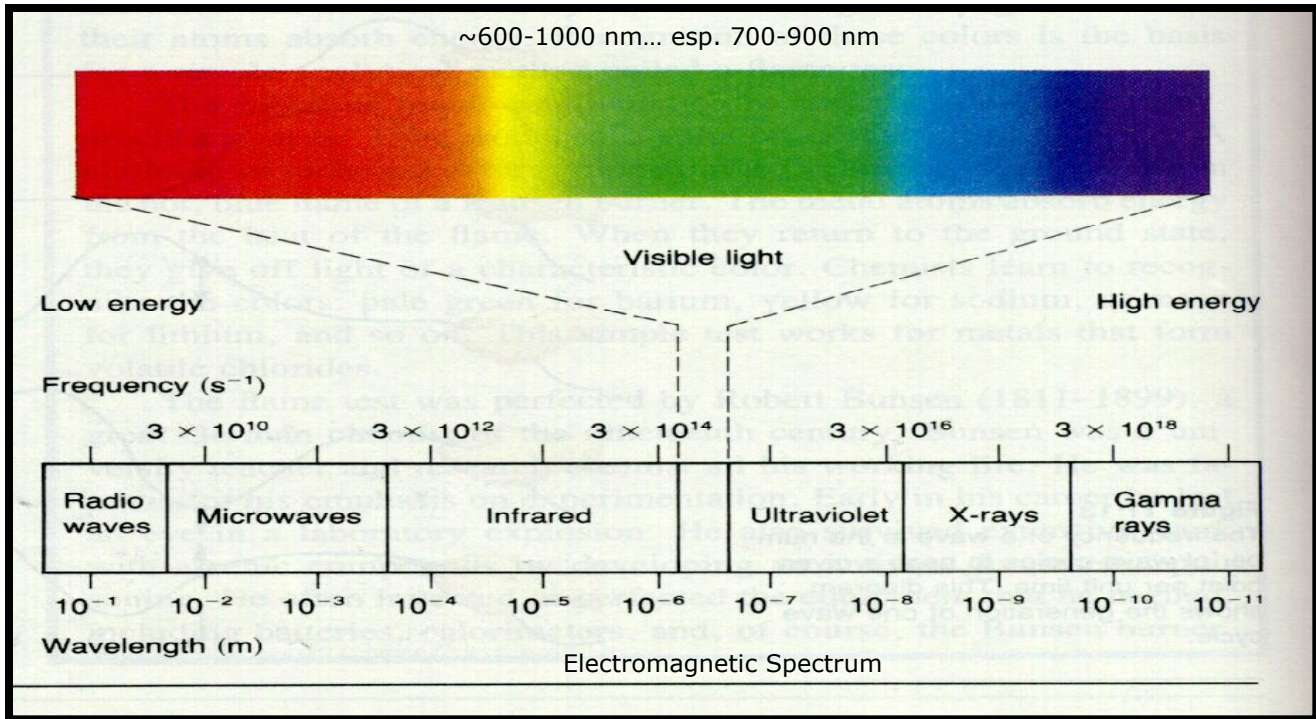
2 Baxter D., Therapeutic Lasers Theory and Practice, 1994

Phototherapy Mechanism of Action



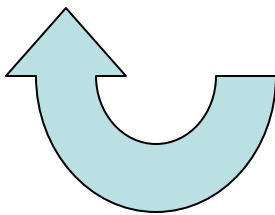
This chart has been modified from "Laser Therapy: Clinical Practice and Scientific Background" 2002 with permission of Jan Tunér and Lars Høde.

Therapeutic Window



Laser and Light

Summary of Phototherapy Effects

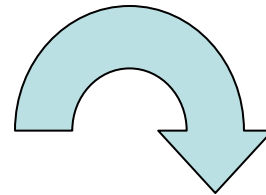


INCREASE:

- ✓ Healing (30 - 40 %)
- ✓ Blood & lymph flow and formation of capillaries
- ✓ Tensile strength and quality of repair

DECREASE:

- ✓ Pain
- ✓ Inflammation
- ✓ Swelling



Phototherapy Applications

1. General Pain Control

decrease or eliminate acute, chronic and palliative pain

2. Post-Op Ortho Conditions

decrease pain, inflammation, swelling, improve quality of tissue repair

3. Compression Fractures

decrease pain, accelerate healing

4. Wounds

pressure ulcers, diabetic ulcers and venous and arterial ulcers

5. Decreased Circulation of Lower Limb

recover protective sensation and decrease or eliminate pain

Segmental Approach to Treatment

Depth of Penetration

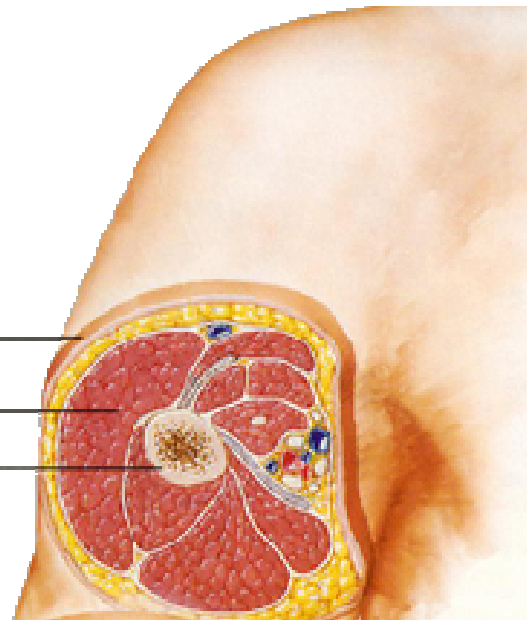
The MedX Phototherapy (low level laser and light therapy) Treatment System administers wide area and deep penetrating infrared and visible red light to the body:

- 500mW Superluminescent Diode (SLD) clusters (Class II)
- 100mW/200mW Laser (Class IIIb laser)

1 cm Penetration - Red SLD

2 cm Penetration - Infrared SLD

5 cm Penetration - Infrared Laser





MEDX PHOTOTHERAPY
COMBINES
Low Level Laser Therapy (LLLT)
&
Superluminescent Diode (SLD) Therapy



Optimize treatments with **light**

and **laser**

SLD

- SLD's treat larger area
- 3-SLD's can be used simultaneously
- Shallower depth of treatment (1-2cm)
- Even distribution of light
- Hands-free option-strap on

LASER

- Collimated coherent beam
- Speckle effect
- Targeted treatment points
- Focused, deeper penetration (5cm)
- Faster treatment times
- Attended



Comparison to Other Modalities

MedX Phototherapy

- Can be used either unattended or attended (hands free option)
- Cumulative biochemical activities results in curative response
- Very comfortable treatment
- Easy set up
- Faster treatment times for patient and clinician
- Safely delegated
- Fewer contraindications

Ultrasound

- Effective only during treatment
- Use of messy gels or medium
- Longer treatment times
- More contraindications
- Attended use only

Electrical Stimulation

- Short term effects
- Costly disposable electrodes
- Longer treatment times
- More contraindications



COMPARISON

*Phototherapy **can** treat patients with:*



- Pacemakers
- Implants - metal, joints, plastic
- Over bony prominences
- Lack of sensation
- When heat is contraindicated

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5 FDA Clearances

Covers full line of products

Indications for Use

Increase in microcirculation
Decrease in hand and wrist pain associated with carpal tunnel syndrome

Decrease pain and stiffness, decrease muscle spasms and increase muscle relaxation and decrease pain and stiffness associated with arthritis

ISO Certified (ISO 9001:2000 and 13485:2003)

Testimonials

*"We are very excited that our facilities will be the first to offer **MedX Phototherapy** to our patients. This partnership with MedX Health will give Extencicare clinics effective healing alternatives and a competitive advantage over other regional care facilities."*

"Adding MedX Phototherapy to our facilities has proven to be an effective method to treat a variety of patients."

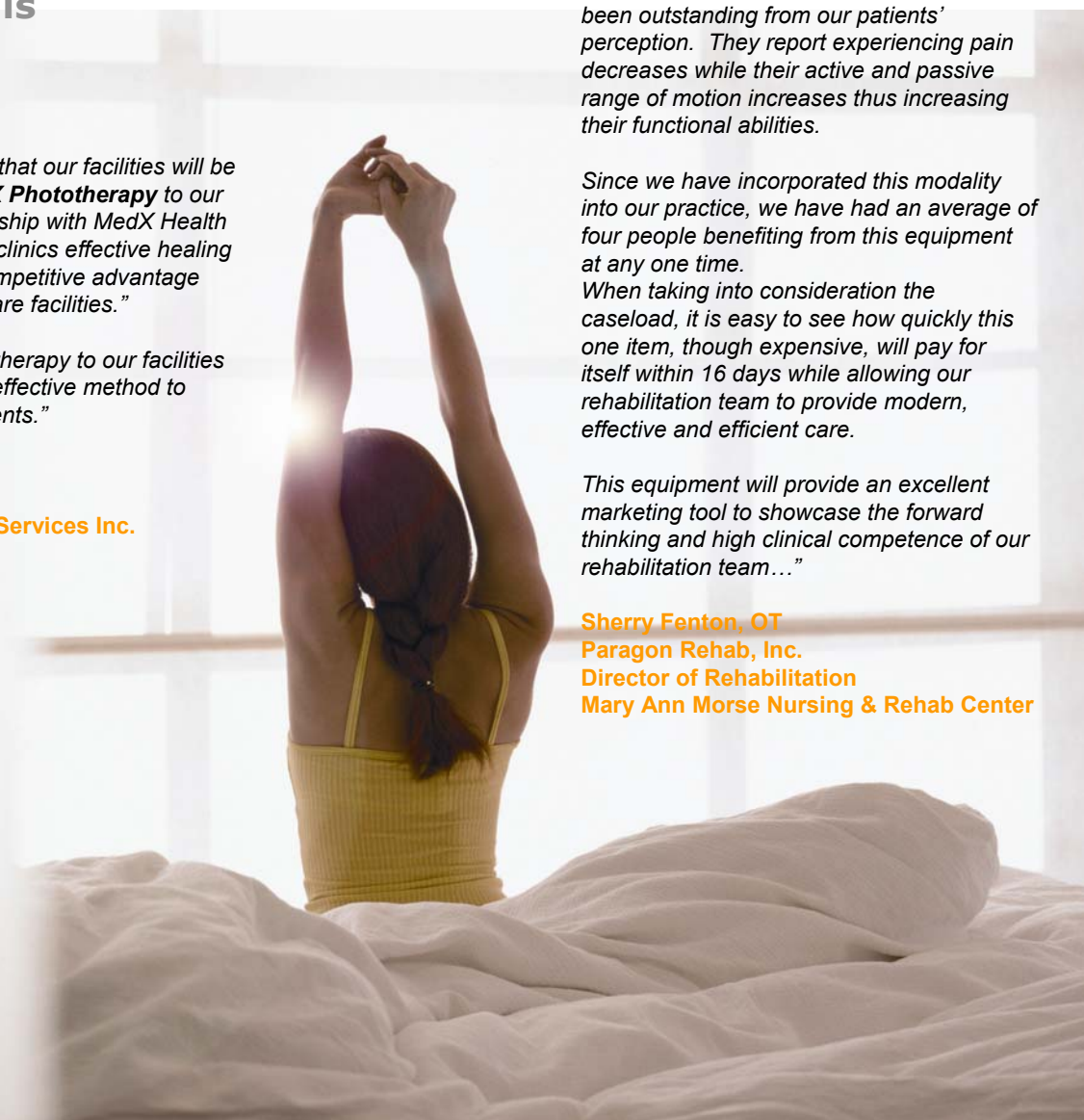
Phil Small
CEO
Extencicare Health Services Inc.

"Our rehabilitation department is utilizing this unit to treat our patients' pain, swelling, limited range of motion and circulatory impairments. The clinical outcomes have been outstanding from our patients' perception. They report experiencing pain decreases while their active and passive range of motion increases thus increasing their functional abilities."

Since we have incorporated this modality into our practice, we have had an average of four people benefiting from this equipment at any one time. When taking into consideration the caseload, it is easy to see how quickly this one item, though expensive, will pay for itself within 16 days while allowing our rehabilitation team to provide modern, effective and efficient care."

This equipment will provide an excellent marketing tool to showcase the forward thinking and high clinical competence of our rehabilitation team..."

Sherry Fenton, OT
Paragon Rehab, Inc.
Director of Rehabilitation
Mary Ann Morse Nursing & Rehab Center



Hematoma

5 MedX Phototherapy Treatments over 9 days



Facial Bruise

6 MedX Phototherapy Treatments over 10 days

"We looked at every other laser system out there to purchase and decided on the MedX because of its capabilities, value, marketing structure and great customer service.

I have to tell you we are so excited with the results we are seeing in our patients...every practitioner and medical equipment distributor needs to know about this system; it's awesome!"

Angela Uhl
Co-Owner of New Loudon
Chiropractic and Rehabilitation
Latham NY



"Using the MedX unit for treatments has both accelerated healing times as well as generated significant additional revenue for my practice. It is simple to use and cost effective."

Douglas Johnson, ATC, EES, CLS
Sports & Industrial Rehabilitation

Hand Burn

8 MedX Phototherapy Treatments over 3 weeks



.... After only (2) days of treatment (with the MedX Phototherapy System), the swelling around my foot and ankle decreased significantly. After (4) days, the wounds were closing in and the redness and drainage were gone. I have been using the MedX Laser for almost (5) weeks now. My foot has healed more in the past (5) weeks, then it did in the previous 2 1/2 years. I am very pleased with the healing that has taken place and highly recommend this treatment.

Ken B.
(Patient)



"I wish to share my happiness with you because the treatments with the MedX^{HOME} have given me my life back! When you visited me, I had already been on sick leave 8 months. I was not able to look after myself and was taking morphine to alleviate the debilitating pain on the left side of my face.

After one month of using the MedX^{HOME}, I have returned to work and do not need to take prescription drugs. I will always remember February 1st, 2007 as the day that changed my life!

Thanks to you and to MedX."

Zuzana Stefanyi
(Patient)

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