

celluma[®]
Light Therapy



Advanced Light Therapy



ILLUMINATING VITALITY

“The day may not be far off when most homes will have a light source (most likely a LED device) to be used for aches, pains, cuts, bruises, joints, and which can also be applied to the hair and even transcranially to the brain”.

Note: this is the closing comment from a collaborative study conducted by researchers at Boston’s Mass General Hospital, the Harvard School of Medicine and the Harvard-MIT Division of Health & Sciences

(Annals of Biomedical Engineering, Feb 2012. The Nuts & Bolts of Low Level Laser (Light) Therapy)



MASSACHUSETTS
GENERAL HOSPITAL

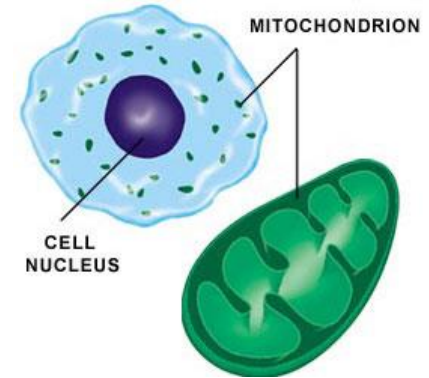


HARVARD
MEDICAL SCHOOL

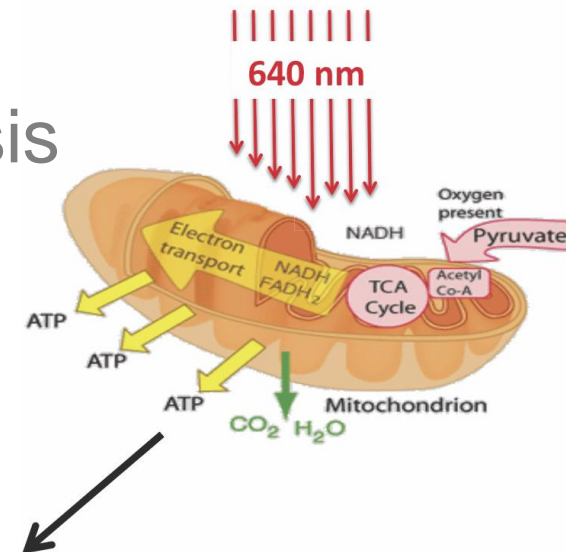
Wellman Center for Photomedicine

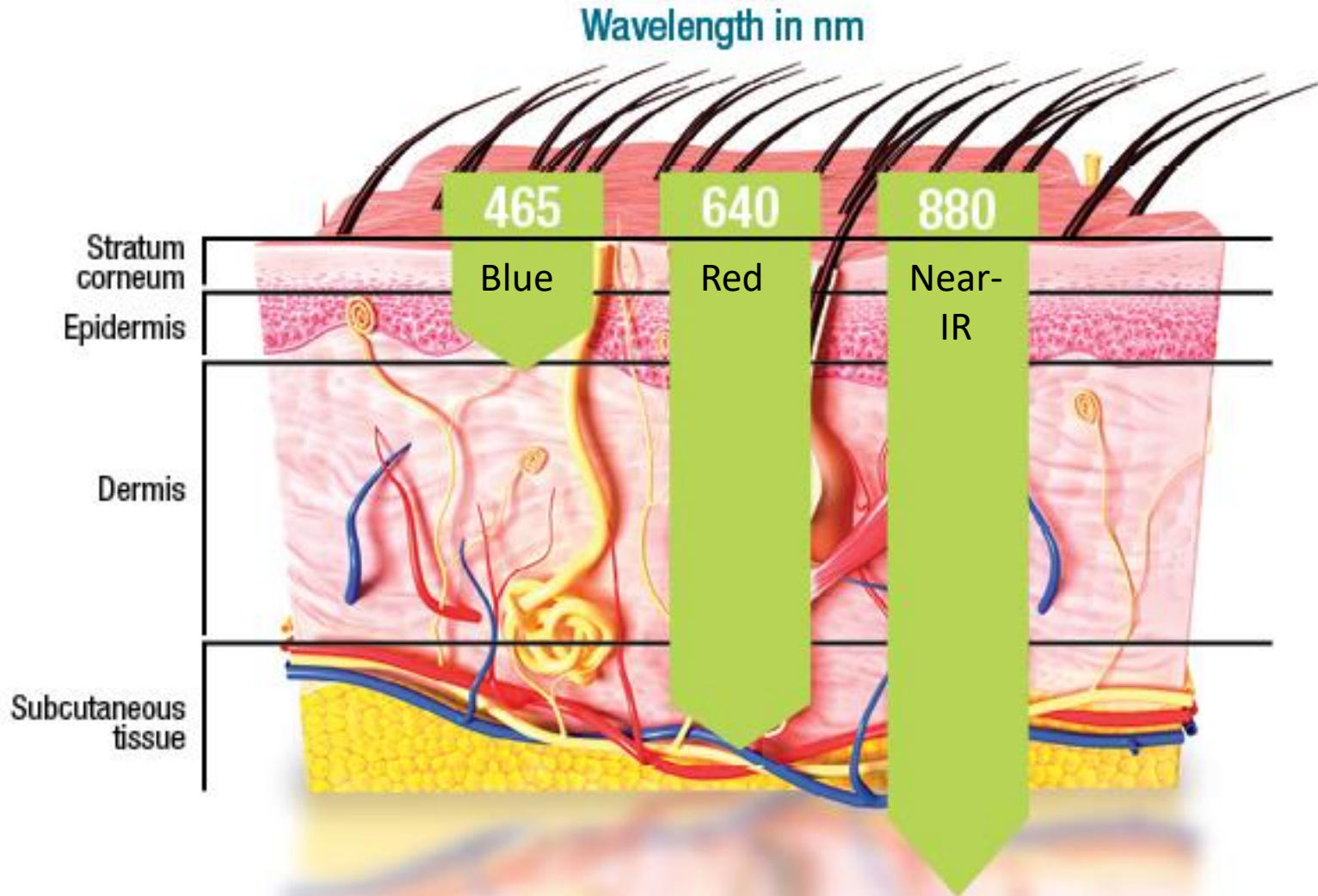
Think of it as a battery charger for *compromised cells* . . .

- Light source emits photons
- Photons are absorbed in the mitochondria and cell membranes
- Causing an elevation of ATP synthesis
- Increased ATP causes a cascade of metabolic events resulting in biochemical & cellular changes...



Light-Activated Biostimulation





- **Fibroblast Cells**: (red, a little IR). Produces collagen and elastin fibers in connective tissue.
- **Keratinocytes**: (both red and IR equally). Provides structural strength to the skin, hair and nails. Responsible for skin clarity, tone and texture.
- **Mast Cells**: (red, near IR). Essential for inflammatory reactions.
- **Neutrophil Cells**: (leukocytes): (little red, mostly IR). Are the first line of defense in the inflammatory process. Adequate numbers are important to protect the body from infection.
- **Macrophage Cells**: (leukocytes): (red and IR). Play a vital role in activating specific immune responses.
- **P. acnes bacteria**: (blue) causes bacteria to destroy itself.

Acne

Blue Light Dominant
(465 nm)



Singlet oxygen is produced



P. acnes self-destruction
A phototoxic reaction
caused by singlet oxygen
(a bacteriacide)

Wrinkles

Red Light Dominant
(640 nm)



Absorbed by fibroblasts



Up-regulation of ATP
process

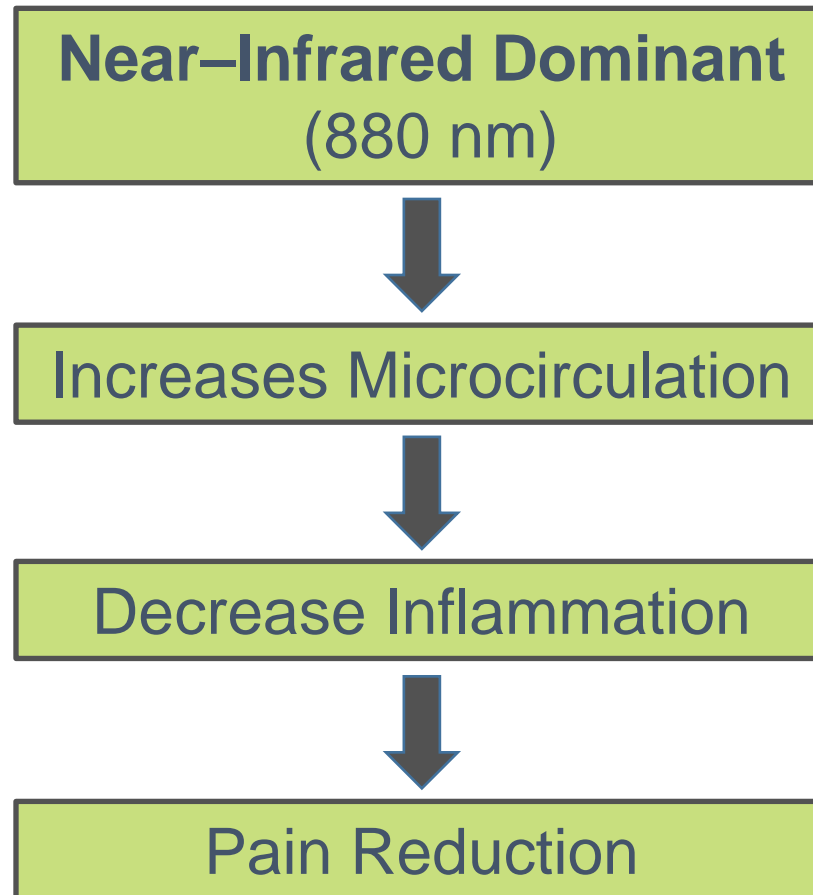


Collagenesis



Elastin production

Pain



Wound Healing

Red + IR wavelengths
(640 + 880nm)



Absorbed by epithelial cells



Up-regulation of ATP process – cell migration - angiogenesis



Wound closure

The Celluma Series (Large Panels)



Celluma ELITE



Celluma PRO/iPRO



Celluma SKIN



Celluma SPORT

The Celluma Series (Smaller Panels)



Celluma RESTORE



Celluma LITE/iLITE



Celluma HOME



Celluma FACE



Celluma Clear



Celluma POD

Celluma RESTORE

- FDA-cleared
- Three-mode device
 1. HAIR – reverse and prevent hair loss
 2. WRINKLES – aging skin and fine lines
 3. PAIN – arthritic, joint and muscle conditions





Celluma DELUX

6LBS

57" X 24"

Celluma DELUX XL

9LBS

65" X 30"

- Same protocols as all 3-mode Celluma devices
- Space saving, hang on door when not in use
- Cost-effective alternative to an LED bed





Do not stand or place
full-body weight on
Celluma





Courtesy of
Dr. Travall Croom, Ameliorative Therapies

Before & After



Before Celluma



After Celluma

**2 times per week
8 weeks later
No other modalities
used**

Before & After



Before Celluma



After Celluma

**2 times per week
5 weeks later
No other
modalities used**



2 times per week for 8 weeks later

No other modalities used (images courtesy Laura Kitzman)

Before & After



“Loving my Celluma and have been experimenting with different protocols. Protocol for this young acne client was **30 minute blue LED 1 x weekly** with simple cleanse and extractions for 6 tx. **Then 1 x month for 2 tx** (NO enzyme or chemical peels) plus home care of salicylic wash, toner, 5% BPO gel, oil-free SPF a.m. and periodic clay mask. Client also cut sugar and dairy intake. We started Feb. 22nd but, due to my husband's illness, had only 1 appointment mid-May until our appointment last week (July 31st approx.) at which time the "after" photo was taken. These are excellent results given we did no full facials.”

Before Celluma



After Celluma

**2 times per week
2 weeks later, no other modalities used**

The Power of **celluma** LED Therapy!

Client is in her late 20's & struggling with adult acne.

Here's How We're Fighting Back!

- ~ **30 minute Celluma Treatment, 2x / week** using blue LED (It's so relaxing under the light, she can't wait to get in for her "nap time" now!)
- ~ **Gentle exfoliating facial 1x / month** using an enzyme or a combo of lactic & salicylic acids.
 - ~ I recommended a **gentle cleanser** that she was able to pick up at the drug store.
- ~ She is using **Circadia by Dr. Pugliese's Daytime Control & Nighttime Control** which work to control sebum production, reduce inflammation, and eliminate the p. acne bacteria.

Immediately Before 1st Treatment...



Immediately After 9th Treatment...WOW!

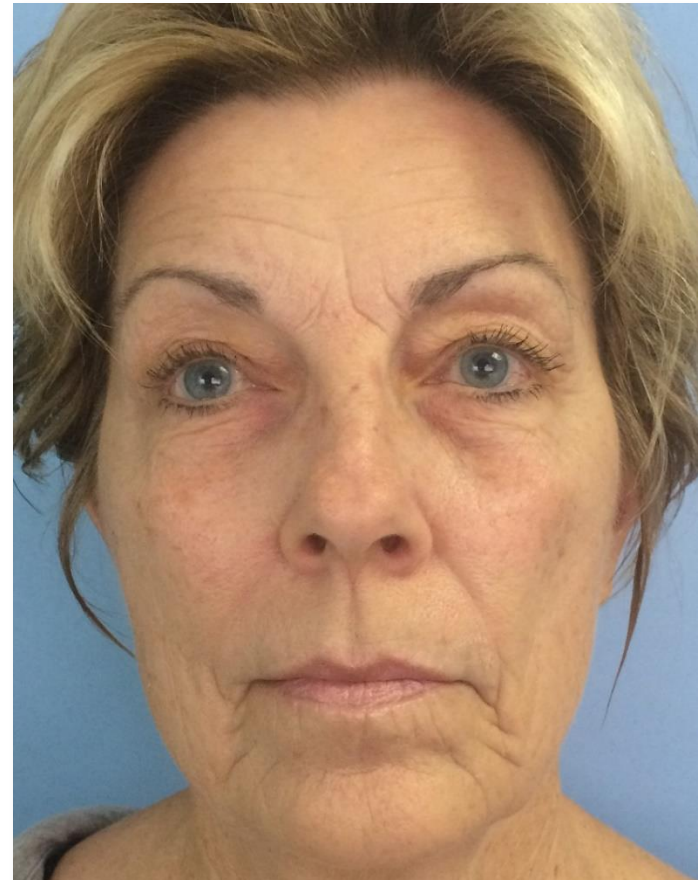


Beach Bums Skincare & Waxing Salon ~ Stephanie Meyer, Owner / Esthetician
1542 Guava Avenue, Suite C, Melbourne, FL 32935
321-890-6010 ~ www.BeachBumsSkincare.com





Before Celluma



After Celluma

Protocol: 3 times per week for 4 weeks
Photo taken 12 weeks after final Celluma treatment



Before Celluma



After Celluma

Protocol: 3 times per week for 4 weeks
Photo was taken 12 weeks after final Celluma treatment



Before Celluma



After Celluma

1 x 30 minute Celluma treatment, 2 times a week for 4 weeks
No other modality used (Images courtesy Lori Hall L.E.)



Before Celluma



After Celluma

1 x 30 minute Celluma treatment, 2 times a week for 4 weeks
No other modality used (Images courtesy Lori Hall L.E.)



Before Celluma



After Celluma

1 x 30 minute Celluma treatment, 2 times a week for 4 weeks
No other modality used (Images courtesy Lori Hall L.E.)

Firming Skin and Smoothing Wrinkles



4 week treatment - 8 weeks post treatment

Image courtesy Lori Hall L.E.



Before & After



Before Celluma



After Celluma

**2 times a week for
4.5 weeks,
9 treatments total**



Before Celluma



After Celluma

**Bruise after one 30 minute Celluma treatment
No other modality used**



Before Celluma



After Celluma

**Bruise after one 30 minute Celluma treatment
No other modality used**



Before Celluma



After Celluma

**Arm bruise 20 hours after 1 Celluma treatment
No other modality used**

Wound Healing*



“WOW! this machine is amazing. I had Deep Laser Resurfacing and started using the Celluma twice a day for 2 1/2 weeks. I started to see amazing results. For my 1 month check up, the doctor came in and said, “You look like should look at the 4 month mark.” Thank you Celluma!

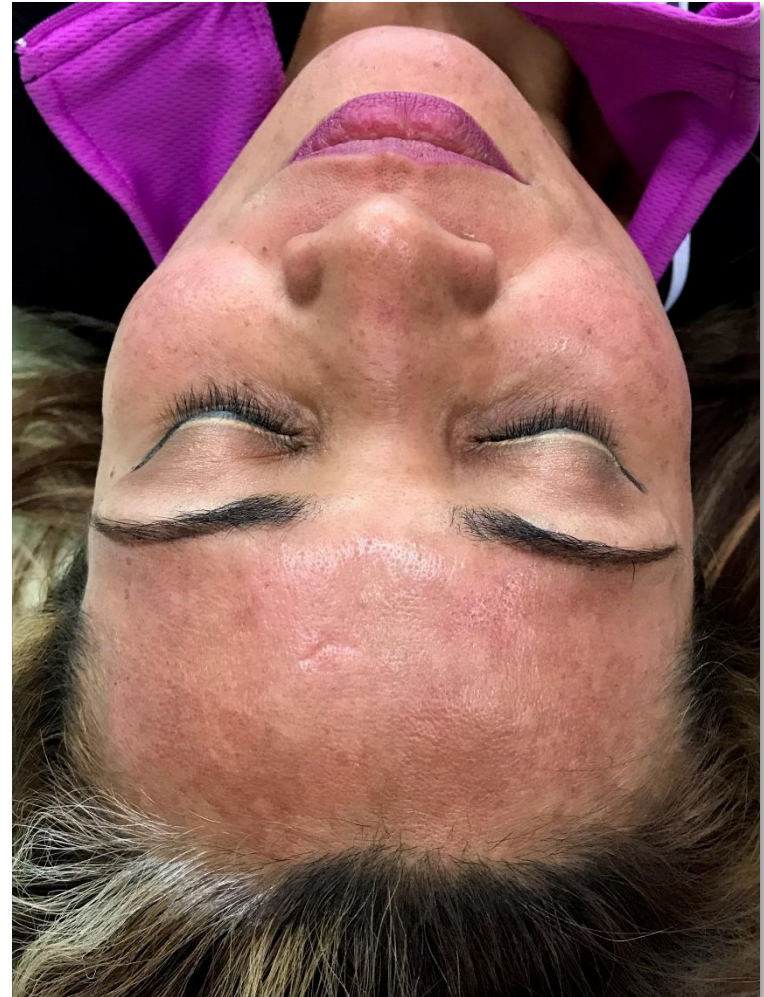
Cindy Tenbrook

* Celluma is not FDA-cleared for Dermal Wound Healing

Before & After Microneedling



*After microneedling & before
Celluma*



*After 30 minutes
Celluma*

Before & After Microneedling



*After microneedling & before
Celluma*



*After 30 minutes
Celluma*

Before & After Microneedling



*After microneedling & before
Celluma*



*After 30 minutes
Celluma*



Before Celluma



After 10 Days

1 x 30 minute daily Celluma treatment (on red) for 10 days
No other modality used. No antibiotics, steroids, medication or creams

(Images courtesy B. Burkiewicz)

Corrective Skin Therapy



Used Celluma 2 times
the first week

Client went on vacation
the second week (no
treatments)



Used Celluma 2 more
times the 3rd week

Total 4 Celluma treatments

**NO OTHER
MODALITIES OR SKIN
CARE PRODUCTS USED**

Images courtesy Jodi Holland
The Skin Trainer, Brockworth, Gloucester



Before Celluma



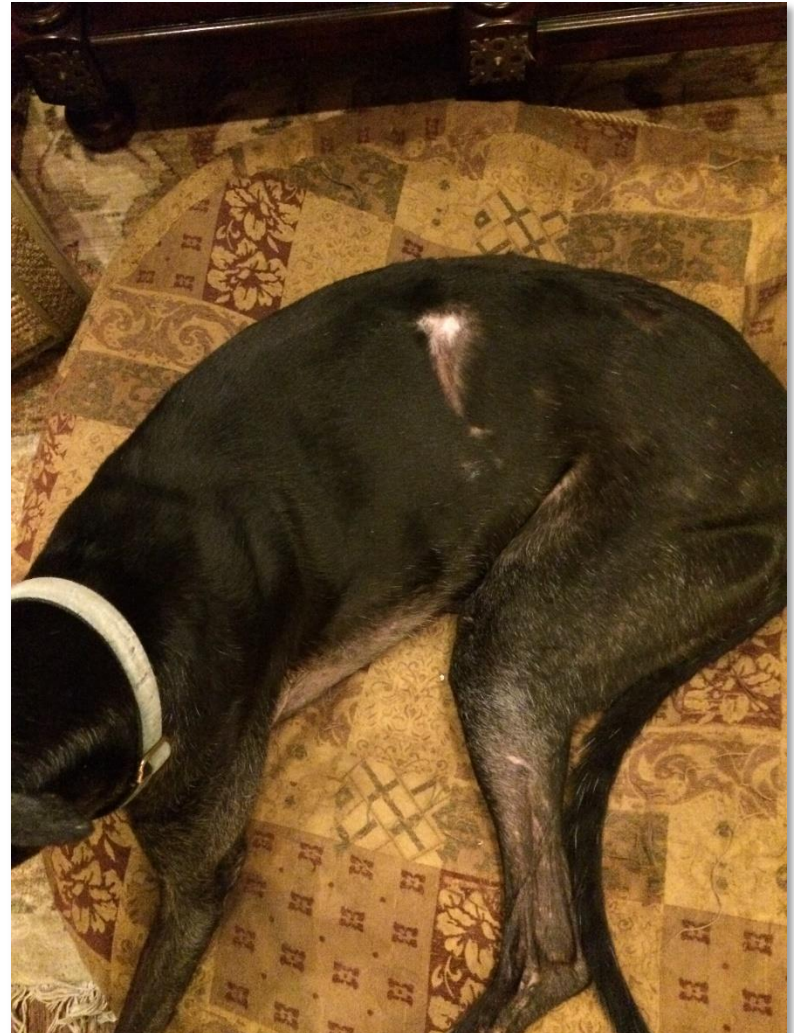
After Celluma

After 3 Celluma treatments over 9 days. No other modality used

*Celluma is not FDA-cleared for wound healing



Before Celluma



After 6 weeks

Celluma in Collaboration with The Semper Fi Fund

We work with The Semper Fi Fund to make Celluma available to Wounded Warriors for pain relief



