celluma

Award Winning FDA-cleared Light Therapy

WELCOME!





What is Light Therapy?

The application of specific wavelengths of light to tissue to obtain therapeutic benefits

- Category: Low Level Light Therapy
- Includes LED & Cold LASER (under 1W power)
- Treats Acne, Wrinkles & Pain & more
- Great for pets too





The Future of Light Therapy

"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)





How Light Therapy Works

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...









Wavelength in nm Stratum Blue Red Nearcorneum Epidermis IR Dermis Subcutaneous tissue



Cells Affected by LED Therapy

•**Fibroblast Cells**: (red, a little IR). Produces collagen and elastin fibers in connective tissue.

•<u>Keratinocytes</u>: (both red and IR equally). Provides structural strength to the skin, hair and nails. Responsible for skin clarity, tone and texture.

•<u>Mast Cells</u>: (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





Wrinkles











Wound Healing





Celluma LED Light Panels

Perfect Combination of Sophistication & Simplicity





Celluma Versatility











The Celluma Series



Celluma PRO



Celluma ELITE



Celluma LITE









8 weeks later 2 x weekly No other modalities used









8 weeks later 2 x weekly No other modalities used







5 weeks later 2 x weekly No other modalities used







2 weeks later2 x weekly4 treatments total







Before & After

2 weeks later2 x weekly4 treatments total





Before & After

look at the improvement in texture & wrinkle depth!









12 weeks post treatment



Before & After



Before Celluma



12 weeks post treatment







12 weeks post treatment







look at the improvement in texture & wrinkle depth!







Bruise before Celluma



Bruise after one 30 minute Celluma treatment









Arm bruise before Celluma

Arm bruise after 1 Celluma treatment (20 hours apart)



Celluma in the News

Collaboration with The Semper Fi Fund

Celluma is provided to Wounded Warriors for pain relief

