DAHLIA HEALTH

SKIN
PrescriptiveTreatment™

Light Therapy
SKIN BENEFITS

Our Skin PTx™ offers a range of benefits for individuals seeking to enhance their skin health and combat aging:

SUPPORTS INCREASED CELLULAR ENERGY & TISSUE OXYGENATION
Mitochondria are the "power plants" of human cells, capable of using both chemical energy (glucose) and light energy to produce energy known as "ATP" additional cellular energy within skin cells enables healthier skin. [1,3]

SUPPORTS INCREASED COLLAGEN PRODUCTION
Light therapy stimulates collagen production, helping to restore skin elasticity and firmness.[2,3,8]

SUPPORTS REDUCED WRINKLES AND FINE LINES
Regular use of our treatment can significantly reduce the appearance of wrinkles and fine lines, promoting a smoother, more youthful complexion.[2]

SUPPORTS IMPROVED SKIN TONE AND TEXTURE
Light therapy enhances cellular turnover, resulting in improved skin texture and a more even skin tone.[2,8]

SUPPORTS SCAR REDUCTION
Light therapy mechanisms involved are inhibition of TGF-beta I expression.[9]

NON-INVASIVE AND SAFE
Our light therapy PTx offers a non-invasive alternative to traditional anti-aging treatments, with no downtime or significant side effects.[6]

Ask your provider how to get started today.

BE ENLIGHTENED®

SKIN
PrescriptiveTreatment™

DAHLIA HEALTH

PrescriptiveTreatments™ (PTx) from Dahlia Health's innovative light therapy system allows our clinic to specifically target anti-aging and skin health. The cutting edge Skin PTx™ harnesses the power of light to rejuvenate your skin, reduce signs of aging, and promote a youthful, radiant complexion.

Unlocking the Potential of Light Therapy

Light therapy, long recognized for its therapeutic benefits, has now emerged as a game-changer in skin health and anti-aging. By targeting intricate cellular processes within the skin, Dahlia's Skin PTx™ aims to boost collagen production, enhance cellular repair, and improve skin texture and tone.

The Science Behind the Innovation

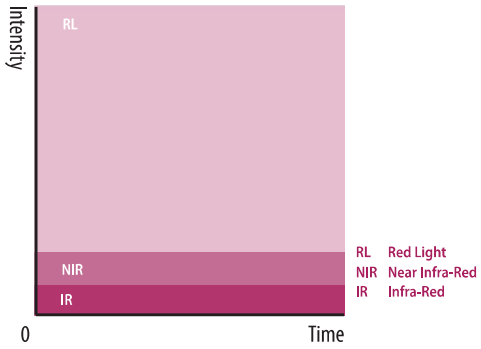
At the heart of our Skin PTx™ lies a deep understanding of the relationship between light and cellular function. By leveraging specific wavelengths of red light, near-infrared light, and infrared light, our therapy stimulates fibroblasts—the cells responsible for producing collagen and elastin. Red and near-infrared light has emerged as an important therapeutic treatment for damaged skin and skin conditions. Clinical studies conclusively establish these wavelengths increase collagen production, reduce skin swelling, accelerate scar healing, enhance skin tone, reduce wrinkles, and treat acne, psoriasis, eczema and other skin conditions.[1-3]

Specifically, scientists have discovered that during the Electron Transport Chain (the chemical pathway that creates ATP), the last step of the chain generates additional ATP when exposed to light energy (specially in the form of red and near-infrared light). Separately, red and near-infrared light break the bond between nitric oxide and cytochrome c oxidase (COX), which increases tissue oxygenation and microcirculation - another known factor for healthy skin.[3] This not only improves skin elasticity but also reduces wrinkles and fine lines.[2]

Key Benefits of the Protocol

Our Skin PTx™ offers a range of benefits for individuals seeking to enhance their skin health and combat aging:

- **Supports Increased Cellular Energy & Tissue Oxygenation:** Mitochondria are the "power plants" of human cells, capable of using both chemical energy (glucose) and light energy to produce energy known as "ATP" additional cellular energy within skin cells enables healthier skin. [1,3]
- **Supports Increased Collagen Production:** Light therapy stimulates collagen production, helping to restore skin elasticity and firmness.[2,3,8]
- **Supports Reduced Wrinkles and Fine Lines:** Regular use of our treatment can significantly reduce the appearance of wrinkles and fine lines, promoting a smoother, more youthful complexion.[2]
- **Supports Improved Skin Tone and Texture:** Light therapy enhances cellular turnover, resulting in improved skin texture and a more even skin tone.[2,8]
- **Supports scar reduction:** Light therapy mechanisms involved are inhibition of TGF-beta I expression.[9]
- **Non-Invasive and Safe:** Our light therapy PTx offers a non-invasive alternative to traditional anti-aging treatments, with no downtime or significant side effects.[6]



Dahlia's RL is the main wavelength in the PTx™, focusing on collagen stimulation and skin rejuvenation. NIR is added to help tissue oxygenation and microcirculation.

Optimizing Treatment for Maximum Results

Dahlia's Skin PTx™ incorporates the latest advancements in light therapy technology to ensure optimal treatment outcomes. By utilizing specific wavelengths and power densities, we ensure effective stimulation of collagen production and skin renewal processes. PrescriptiveTreatments™ offer flexibility, allowing individuals to customize their therapy to suit their lifestyle and specific skin needs.

Join the Revolution

Experience Dahlia's Skin PTx™, a cutting-edge approach for a radiant complexion and improved skin texture and tone. Dahlia's innovative technology personalizes treatment with unique sensors reacting to your body ensuring optimal results. As a leader in light therapy, Dahlia Health combines scientific excellence and cutting-edge technology to enhance body composition and overall well-being.

References **1. Mechanisms and applications of the anti-inflammatory effects of photobiomodulation.** M.R. Hamblin, AIMS Biophys. 4(3), 2017. **2. A Controlled Trial to Determine the Efficacy of Red and Near-Infrared Light Treatment in Patient Satisfaction, Reduction of Fine Lines, Wrinkles, Skin Roughness, and Intradermal Collagen Density Increase.** A. Wunsch and K. Matuschka, Photomedicine and Laser Surgery. Feb 2014; 32(2), 2014. **3. Low-level laser (light) therapy (LLLT) in skin: stimulating, healing, restoring.** P. Avci, et al. Seminars in Cutaneous Medicine and Surgery. 32(1), 2013. **4. Light-emitting diodes (LEDs) in dermatology.** Barolet D. Semin Cutan Med Surg. 2008 Dec;27(4):227–238. **5. A prospective, randomized, placebo-controlled, double-blinded, and split-face clinical study on LED phototherapy for skin rejuvenation: clinical, profilometric, histologic, ultrastructural, and biochemical evaluations and comparison of three different treatment settings.** Lee SY, Park KH, Choi JW, et al. J Photochem Photobiol B. 2007 Jul 27;88(1):51–67. **6. A novel non-thermal non-ablative full panel LED photomodulation device for reversal of photoaging: digital microscopic and clinical results in various skin types.** Weiss RA, Weiss MA, Geronemus RG, McDaniel DH. J Drugs Dermatol. 2004 Nov-Dec;3(6):605–610. **7. A study to determine the efficacy of combination LED light therapy (633 nm and 830 nm) in facial skin rejuvenation.** Russell BA, Kellett N, Reilly LR. J Cosmet Laser Ther. 2005 Dec;7(3–4):196–200. Regulation of skin collagen metabolism in vitro using a pulsed 660 nm LED light source: clinical correlation with a single-blinded study. Barolet D, Roberge CJ, Auger FA, Boucher A, Germain L. J Invest Dermatol. 2009 Dec;129(12):2751–2759. **8. Prophylactic low-level light therapy for the treatment of hypertrophic scars and keloids: a case series.**Barolet D, Boucher A. Lasers Surg Med. 2010 Aug;42(6):597–601