DAHLIA HEALTH

CIRCULATION
PrescriptiveTreatment™

Light Therapy
CIRCULATION BENEFITS

Our Circulation PTx™ offers a range of benefits for individuals seeking to improve their circulatory health:

SUPPORTS ENHANCED BLOOD FLOW
Light therapy stimulates vasodilation, improving blood flow and ensuring that oxygen and nutrients reach all parts of the body more efficiently.[1,2,3,4]

SUPPORTS IMPROVED VASCULAR FUNCTION
By promoting the production of nitric oxide, our protocol supports healthy blood vessel function and reduces the risk of vascular issues.[2]

SUPPORTS REDUCED SWELLING
Light therapy helps to reduce inflammation and swelling, often associated with poor circulation, providing relief and improving comfort.[5]

SUPPORTS ACCELERATED HEALING
Enhanced circulation aids in faster recovery and healing by delivering essential nutrients and oxygen to damaged tissues.[1]

NON-INVASIVE AND SAFE
Our light therapy protocol offers a non-invasive alternative to traditional treatments, with no downtime or significant side effects.

Ask your provider how to get started today.

BE ENLIGHTENED®

CIRCULATION
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PrescriptiveTreatments™ (PTx) from Dahlia Health's innovative light therapy system allows our clinic to enhance circulation. The cutting edge Circulation PTx™ harnesses the power of light to improve blood flow, optimize oxygen delivery and promote overall circulatory health, offering a safe, effective and non-invasive solution.

Unlocking the Potential of Light Therapy

Light therapy, long recognized for its therapeutic benefits, has now emerged as a game-changer in circulatory health. By targeting intricate cellular processes, Dahlia's Circulation PTx™ aims to improve blood flow, enhance vascular function, and support overall cardiovascular wellness.

The Science Behind the Innovation

At the heart of our Circulation 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 aids the production of nitric oxide, a molecule essential for dilating blood vessels and improving circulation. This not only boosts overall circulatory health but also enhances the delivery of oxygen and nutrients to tissues.

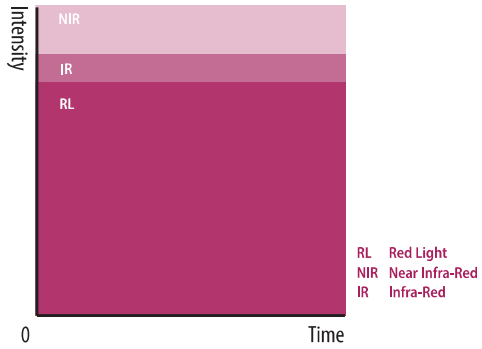
Specifically, scientists have discovered that during the Electron Transport Chain (the chemical pathway that creates ATP), the last step of the chain generates additional ATP when exposed to light energy (especially in the form of red and near-infrared light). Separately, red and near-infrared light break the bond between nitric oxide and cytochrome c oxidase (COX), which increases tissue oxygenation and microcirculation.

Dahlia lights promote biological effects such as increased fibroblast proliferation, stimulation of angiogenesis, granulation tissue formation and increased synthesis of collagen.[1]

Key Benefits of the Protocol

Our Circulation PTx™ offers a range of benefits for individuals seeking to improve their circulatory health:

- **Supports Enhanced Blood Flow:** Light therapy stimulates vasodilation, improving blood flow and ensuring that oxygen and nutrients reach all parts of the body more efficiently.[1,2,3,4]
- **Supports Improved Vascular Function:** By promoting the production of nitric oxide, our protocol supports healthy blood vessel function and reduces the risk of vascular issues. [2]
- **Supports Reduced Swelling:** Light therapy helps to reduce inflammation and swelling, often associated with poor circulation, providing relief and improving comfort. [5]
- **Supports Accelerated Healing:** Enhanced circulation aids in faster recovery and healing by delivering essential nutrients and oxygen to damaged tissues. [1]
- **Non-Invasive and Safe:** Our light therapy protocol offers a non-invasive alternative to traditional treatments, with no downtime or significant side effects.



Dahlia's Circulation PTx™ focuses on improving blood flow and vascular function. Dahlia's IR and NIR are elevated in the session to enhance overall circulatory health and amplify results.

Optimizing Treatment for Maximum Results

Dahlia's Circulation 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 circulatory processes. PrescriptiveTreatments™ offer flexibility, allowing individuals to customize their therapy to suit their lifestyle and specific health needs.

Join the Revolution

Experience Dahlia's Circulation PTx™, a cutting-edge approach circulatory issues or enhancing cardiovascular health. 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. **Effects of low-power light therapy on wound healing: LASER x LED** An. bras. dermatol. 89 (4) • Jul-Aug 2014
2. **Red/Near Infrared Light Stimulates Release of an Endothelium Dependent Vasodilator and Rescues Vascular Dysfunction in a Diabetes Model** Agnes Keszler, PhD,1,2 Brian Lindemer, BS,1 Dorothee Weihrauch, DVM, PhD,2 Deron Jones, BS,3 Neil Hogg, PhD,4 and Nicole L Lohr, MD, PhD1,5,6
3. **Impact of low level laser therapy on skin blood flow** Jacek Podogrodzki 1, Michał Lebiedowski 2, Mieczysław Szalecki 3, Izabela Kępa 4, Małgorzata Syczewska 4, Sergiusz Jóźwiak 5
4. **Immediate effects of monochromatic infrared energy on microcirculation in healthy subjects** Michael C H Mak 1, Gladys L Y Cheing
5. **Biphasic dose response in low level light therapy.** Huang YY, Chen AC, Carroll JD, Hamblin MR. Dose Response. 2009;7(4):358–383