

WHAT YOU'LL NEED

1. Dermathod Revive Cleansing Gel
2. KrX Carboxy
3. Dermathod Latoxin Ampoule
4. Dermathod Ami-Sterol Cream

PROTOCOL

1. Cleanse the skin with Dermathod Revive Cleansing Gel
2. Apply Carboxy and follow the basic protocol - leave on for up to 20 minutes
3. Fully remove Carboxy
4. Stamp skin with Dermathod Latoxin Ampoule - refer to the Latoxin Protocol if necessary.
5. Finish with Ami-Sterol Cream

Pro Tip: You may switch out the Dermathod Latoxin Ampoule for the Radiance Ampoule for a skin brightening treatment.



The O2CIT protocol stands for: Bohr Effect + Collagen Induction Therapy. It utilizes two different treatments: KrX's Carboxy, and Dermethod's Micro-Channeling ampoule, Latoxin, to help address fine lines, texture, and tone of skin.

#### The Bohr Effect

The human body operates through a remarkable interplay of physiological processes, one of which is the relationship between carbon dioxide (CO<sub>2</sub>) and tissue oxygenation. This interplay, known as the Bohr Effect, reveals how a common respiratory byproduct can influence essential metabolic functions within our cells, including those vital for skin health. Unlike most respiratory gases, CO<sub>2</sub> exhibits a unique ability to readily penetrate red blood cells. This infiltration triggers a vasodilatory effect, leading to the widening of blood vessels and consequently, enhanced blood flow throughout the body.

As a result, tissues across the body, including the skin, experience a surge in oxygen delivery, providing the fuel for metabolic activity.

Within red blood cells, CO<sub>2</sub> engages in a chemical reaction with oxygen, forming bicarbonate (HCO<sub>3</sub>) and subtly lowering the surrounding pH. This seemingly minor acidification has a profound impact, as it weakens the affinity between oxygen and hemoglobin, the protein responsible for oxygen transport. With a loosened grip, oxygen readily detaches and diffuses into tissues, where it fuels cellular metabolism. This increased oxygen availability translates to enhanced metabolic activity, promoting faster tissue regeneration and repair.

The heightened influx of oxygen facilitates enhanced cellular turnover and metabolic activity which helps combat the formation of fine lines. It also improve blood flow to reduce puffiness and brightens the skin. Faster tissue regeneration accelerates wound healing and promotes scar reduction leading to improved texture.

## Collagen Induction Therapy

CIT employs a specialized device equipped with fine needles that create controlled micro-injuries within the dermis. In this case, the device is the Dermethod's Derma Level Ampoule.

The micro-wounds which are created activate a complex wound healing response, stimulating the production of key extracellular matrix (ECM) components:

**Collagen:** The primary target, collagen provides structural support and maintains skin elasticity. CIT triggers fibroblast activity, leading to increased collagen synthesis and deposition, ultimately reversing age-related collagen depletion.

**Elastin:** Another crucial ECM protein, elastin contributes to skin elasticity and recoil. CIT stimulates elastin production, improving skin laxity and reducing visible signs of aging like wrinkles and sagging.

CIT effectively diminishes the appearance of fine lines and wrinkles, it also improves the appearance of acne scars.