



The Fastest Way  
to Better Skin.™

# THE WOW FACTOR!

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Using Topical Carboxy to  
Improve Patient Outcomes



# How to Mix and Apply CO2Lift® Carboxy Gel

- 1** Massage the small packet to soften before opening.
- 2** Empty the entire contents of large pack and small pack into a small mixing bowl.
- 3** Mix thoroughly for 1 minute to activate the carboxy.
- 4** Apply immediately to the area being treated with the small application stick. If applying to the face, start under the eyes, move up to the lash line, including the lips, and end with the eyelids. One treatment typically covers the face only. For face, neck & décolleté, use two treatments.

- 5** Make sure the application layer is thick, like frosting on a cake.
- 6** Leave on for 45 minutes.
- 7** Remove with application stick.

## How Is the CO2 Created?

When the water in the large packet mixes with the gluconolactone in the small packet, it forms a mild acid. That mild acid mixes with the magnesium carbonate to form CO<sub>2</sub>. The resulting CO<sub>2</sub> is absorbed into the skin in a unique, hypoallergenic, and mild treatment.



THE FASTEST WAY TO BETTER SKIN.

**CO2Lift® Carboxy Gel can be used to help:**

- Eczema
- Stasis Dermatitis
- Contact Dermatitis
- Xerosis
- Vascular Occlusions
- Lichen Sclerosus et Atrophicus
- Hair Growth
- Diabetic Ulcers

**CO2Lift® Carboxy Gel can help minimize:**

- Fine Lines/Wrinkles
- Crêpey Skin
- Dark Circles
- Inflamed Skin
- Textural Imbalances
- Dehydration
- Enlarged Pores
- Dull Tone

Safe when applied to upper eyelids and on mucosal membranes.

“As an early user of Co2Lift®, it has grown to be an MVP in my treatment toolbox. I use it on a multitude of cosmetic and inflammatory skin conditions. The results are immediate and result in a happy patient.”

*Dr. Wendy Roberts*

Dermatologist and Dermatopathologist  
Founder of Generational Dermatology



# CO2Lift® Carboxy Gel

THE FASTEST WAY

## ABOUT CO2LIFT® PRO CARBOXY GEL

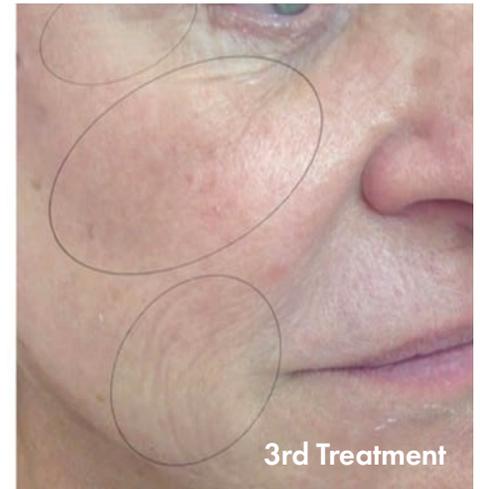
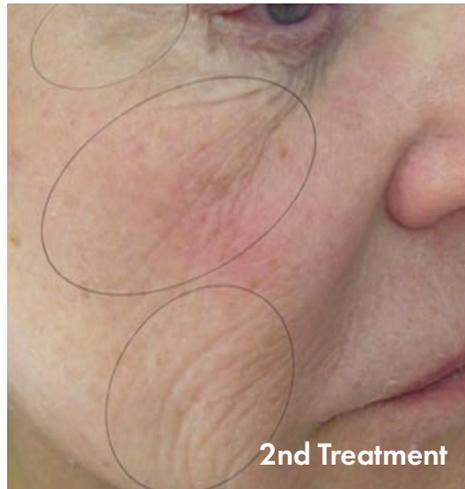
CO2Lift® is an in-office and at-home treatment that acts as a topical “hyperbaric oxygen chamber” for the skin, delivering a rush of carbon dioxide to the application site. Treatment time is approx. 45 min – 1 hour.

## HOW IT WORKS

Carboxytherapy is the use of carbon dioxide (CO2) to regenerate the skin. When the gas is delivered through the gel to skin, the body responds by rushing oxygen rich blood to the tissue, (the Bohr Effect principle) leading to an induction of new collagen, tissue regeneration, and increased oxygenation and microcirculation.



Monthly CO2Lift® Pro Treatments for 1 Year



Series of 3 CO2Lift® Pro Treatments Done 1 Week Apart *Photos Courtesy of Wendy Roberts, MD, FAAD*



Clinical studies of topical carboxytherapy show dramatically increased hydration by 117% compared to baseline post treatment for up to 3 weeks.

## 54 Year Old With Rosacea

*Photos Courtesy of Samantha Lucero-Daga, DNP, MSN-C*

## IN A RECENT CLINICAL TRIAL, AFTER 6 TREATMENTS<sup>1</sup>

↑ 39% Luminosity    ↓ 30% Sagging    ↓ 24% Fine Lines    ↑ 26% Elasticity at W4  
 42% Radiance    27% Pigmentation    20% Wrinkles    28% at W10

Week 1: 3 treatments, Weeks 2-4: 1 treatment each

Received: 28 January 2023 | Revised: 16 May 2023 | Accepted: 26 May 2023  
 DOI: 10.1111/jocd.15860

**ORIGINAL ARTICLE**

**A pilot study evaluating the anti-aging benefits of a CO<sub>2</sub>-emitting facial mask**

Zoe Diana Draelos MD<sup>1</sup> | Ava Shamban MD<sup>2</sup>

JCD  
Journal of  
Cosmetic Dermatology

WILEY

DOI: 10.1111/Jocd.15860



### 15 Year Old with Eczematous Dermatitis

45 minutes after 1 application

Photos Courtesy of Wendy Roberts, MD, FAAD

**"The skin on my face feels like silk!"**

45 minutes after 1 application

Photos Courtesy of Samantha Lucero-Daga, DNP, MSN-C



**BEFORE**

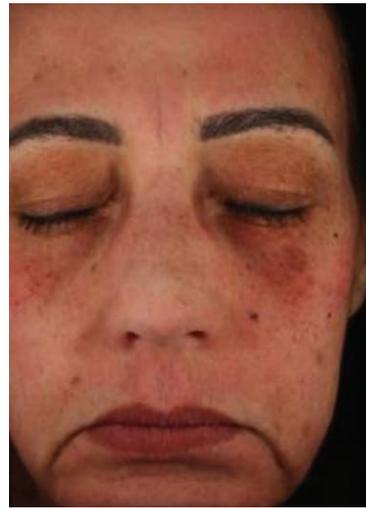


**IMMEDIATELY POST-TREATMENT**

## Pre- and Post-Treatment

Medical grade topical Carboxytherapy Gel is proven safe to use pre- or post-procedure to prep skin and may help:

- Reduce post-treatment downtime
- Improve procedural outcomes
- Improve patient experience
- Minimize bruising and swelling
- Reduce complications & side effects
- Reduce discomfort during treatment

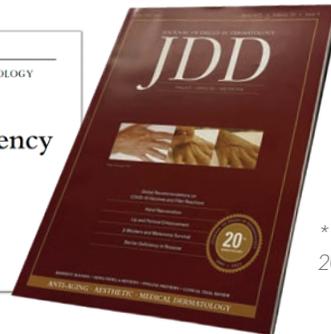


Post-Treatment



45-Min Post Carboxy Gel

## Microneedling Radiofrequency



\* J Drugs Dermatol. 2021; 20(4); 461-465



Numbing on full face, immediately applied CO2Lift® on top of numbing on left side only, removed and cleansed face after 45 minutes.

Post-Treatment: RF Microneedling

1 hour post-RF Microneedling, CO2Lift® applied on full face for 45 minutes.

Immediately after removal of CO2Lift®

## Methodology: Pre-Treat with Numbing and Post-Care

### Day 0 - Treatment in Office

- Apply numbing cream
- Mix and immediately apply CO2Lift® Pro gel on top of numbing cream, leave on for 45 minutes
- Remove CO2Lift® Pro gel and clean skin
- Perform treatment

### Day 0 - Day of Treatment at Home

- Patient performs CO2Lift® Pro treatment at home within 4-6 hours

### Day 1 - Next Day After Treatment

- Patient performs CO2Lift® Pro treatment at home

## Pre- and Post-Treat RF Microneedling



Before

Pre-Treat W/ CO2Lift® Pro on top of Numbing

After Pre-Treat with Co2Lift® Pro

After Morpheus8 RF Microneedling and immediately applied CO2Lift® Pro

After

## CO2 Laser Resurfacing + CO2Lift® Pro Treatments

*Courtesy of Jon Grazer, MD*



Post Op - Day 1 with CO2Lift® Treatment applied

Post Op - Day 1

Post Op - Day 2

Post Op - Day 6



## CO2Lift® Carboxy Gel can be used for

- Fillers
- Threads
- Energy-based Treatments
- Chemical Peels
- Other In-Office Treatments

**Pre, during and post VI Peel with a finish using the Carboxy Gel CO2LIFT® Face Mask.**

“The healing time is accelerated. My patients are busy and don't want to wait for the healing time... If you can reduce the healing time from 7 to 4 days that's significant and that makes a big difference for a busy person's life.”

*Dr. Ava Shamban*  
Dermatologist



**CO2Lift® applied immediately post microneedling. Results after 45 minutes.**

## Methodology for Post Care

### Day 0

- Perform Treatment
- Mix and immediately apply CO2Lift® gel to area treated. Wait 35 minutes.
- Remove CO2Lift® gel and clean skin.

### Day 1 and Day 3

- Patient performs CO2Lift® treatment at home.

### Day 30

- Patient performs CO2Lift® treatment at home for monthly maintenance.



## CO2Lift® Pro + Microneedling

CO2Lift® Pro Mask applied 45 minutes immediately post and 24 hour post microneedling  
*Courtesy of Ronald Figueredo, MD*

## Examples of CO2Lift® Pro use to Treat Diabetic Ulcers and Sores

All patients were treated with CO2Lift® Pro - 3 treatments per week for 4 weeks.

*All photos courtesy of Dr. Gustavo Leibaschoff*



Patient with Type 2 Diabetes



55 Year Old Patient with Type 2 Diabetes on Insulin

“CO2 Lift should be carried by any practice that promotes skincare – their product is truly both unique and effective.”

*Dr. David J. Goldberg*

Dermatologist



52 Year Old Patient with Type 2 Diabetes on Insulin



## CLINICAL RESULTS

100% RE-EPITHELIALIZATION  
or complete healing within  
1 month for 10 diabetic  
ulcer patients.<sup>1</sup>



<sup>1</sup> Study in completion stage

## Type 1 Diabetes - Diabetic Ulcer

4 months with non-healing ulcer.



# CO2Lift<sup>®</sup> Carboxy Gel

THE FASTEST WAY

Using CO2Lift<sup>®</sup> Pro as a pre- and post-treatment for surgical procedures can help:

- Reduce complications
- Reduce recovery time
- Improve procedural outcomes

## Recommended Protocol Used by Surgeons

- 1 Three CO2Lift<sup>®</sup> gel treatments prior to procedure
- 2 One CO2Lift<sup>®</sup> gel treatment 24-hours post-procedure
- 3 Two or more CO2Lift<sup>®</sup> gel treatments every other day after

*Photos courtesy of Dr. Vu Ho, Plastic Surgeon*



**Before Treatment**



**4 Days After 1st Treatment**



**After 2nd Treatment**  
(7 Days After 1st Treatment)



**After 3rd Treatment**  
(13 Days After 1st Treatment)

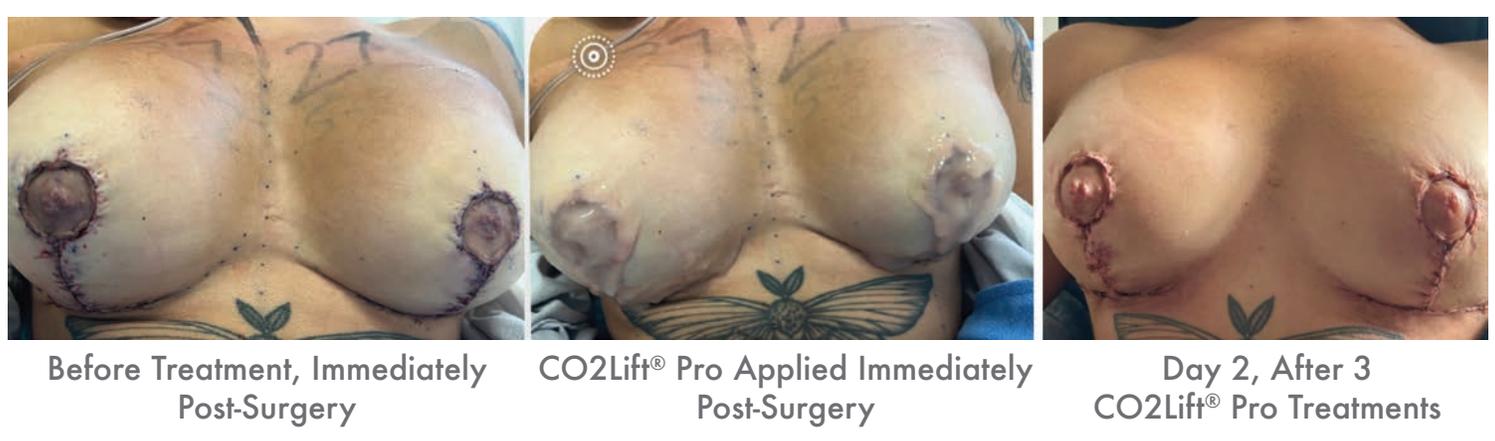


**After 4th Treatment**  
(35 Days After 1st Treatment)

## Mastopexy (Breast Lift) + 3 CO2Lift® Pro Treatments

1st treatment - post op, 2nd treatment - 24 hours post-surgery, 3rd treatment - 48 hours post-surgery.

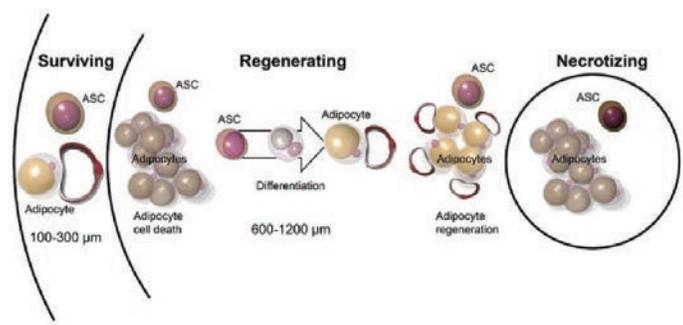
Photos courtesy of Kent V. Hasen, MD, Aesthetic Plastic Surgery & Med Spa of Naples



## Fat Grafting Procedures

Using CO2Lift® Pro as a pre- and post-treatment for fat grafting can help due to the increased oxygenating of the tissue:

- Extend the longevity of the fat graft
- Minimize the size of the necrotic zone
- Improve the quality of the fat graft



## Necklift + CO2Lift® Pro Treatments

Pre-Treat 3 CO2Lift® Pro Before, 1 Immediately Post-, 3 Every Other Day Post-



Pre-Op  
7/9/2021



Post-Op - Day 1  
7/27/2021



Post-Op - Day 6  
8/1/2021



Post-Op - Day 8  
8/3/2021



Intra Op  
7/26/2021



Post-Op - Day 1  
7/27/2021



Post-Op - Day 6  
8/1/2021



Post-Op - Day 8  
8/3/2021



Pre-Op  
7/9/2021



Post-Op - Day 1  
7/27/2021



Post-Op - Day 6  
8/1/2021



Post-Op - Day 8  
8/3/2021

“The indications of CO2Lift® Carboxy are only limited by the imagination of the Physician.”

Dr. Mary Lupo

Board Certified Dermatologist



## Standalone - Radiated Tissue

Photos courtesy of Femme Aesthetics & Health



DAY 0



DAY 1  
After 1st CO2Lift® Pro  
Treatment



DAY 2  
After 2nd CO2Lift® Pro  
Treatment



DAY 3

## WHAT IS CARBOXYTHERAPY?

Initially popularized in Europe in the 1930s, gaseous carbon dioxide is injected to create a natural vasodilator. The blood vessels widen, increasing the transport of oxygen body tissues for cellular regeneration and anti-inflammatory effects.

- Carboxytherapy is the therapeutic use of CO<sub>2</sub>.
- When infused into the skin, CO<sub>2</sub> immediately diffuses at the cutaneous and muscular microcirculatory levels, resulting in higher tissue oxygenation and neoangiogenesis.

## WHAT IS CO<sub>2</sub>LIFT® CARBOXYTHERAPY GEL?

- A take-home treatment created in 2015 that maximizes chair time and is proven to have similar results to injections.\*
- Beneficial to all providers: surgical, aesthetic, medical, and aestheticians
- Powerful anti-aging and aesthetic solution designed for face, eyes, body and vagina.
- Regenerates the vulva/vaginal tissue and reduces the symptoms of GSM.\*\* \*\*
- Effective for healing diabetic ulcers in as little as 4 treatments.\* \*\* \*
- Focuses on solving an individual's aging skin without the use of machines, aggressive peels, injections, or cosmetic surgery.

## CARBOXYTHERAPY EFFECTS

- Vasodilation\*
- Increase in Flow Motion\*
- Increase in Growth Factors (eg VEGF)
- Increase in Microcirculation
- Increase in Neoangiogenesis
- Increase in tissular oxygenation/[PO<sub>2</sub>] Bohr Effect\* \*\*
- Neoprocollagenesis
- Correction of PH
- Cleaning of the ECM for improved tissue health\* \*\* \*
- Biostimulation of the connective tissue\* \*\* \*\* \*
- Resoration of the microvascular-tissular unit exchanges\* \*\* \*\* \*\* \*

\*Hartmann BR, Bassenge E *Angiology* 48:337, 1997

Abramo AC *Rev Bras Cir Plast*, 2009

Varlaro V *Blood* 2007

\*\*Vacher, 1987

\*\*\*Maia-Figueiró TL, ODashire AN, Menezes GP

\*\*\*\*Ferreira JCT *J Drugs Dermatol*, 2008

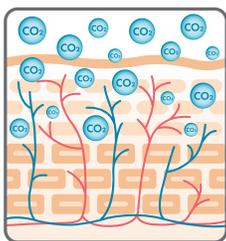
\*\*\*\*\*Curri, Albergati, 1997

\*Leibaschoff, G, Roberts W, Coll L, 2018 *Surgical Tech Int* \*\*Biometrix 2017 Hydration Study

\*\*\*Leibaschoff G, Reyes C, Arrieta C, Melamed J, 2021 *Surgical Tech Int*. \*\*\*\*Pilot study conducted by Dr. Laura Slack

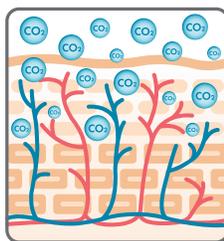
## WHAT IS THE MECHANISM OF ACTION?

The energy necessary for cell division and cell activation is produced by the increase of oxygen.



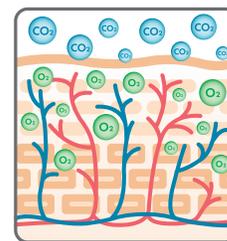
### CO<sub>2</sub> Skin Absorption

Absorption of CO<sub>2</sub> leads to a deficiency of oxygen beneath the skin and causes the body to supply more oxygen.



### Expansion of Capillary

Blood brings oxygen into the body, and the blood vessels expand.



### Supply of Nutrients and O<sub>2</sub> to the Cells

Blood supplies oxygen as well as nutrients and immunoregulatory substances to the cells.

For more information, contact [support@lumisque.com](mailto:support@lumisque.com) for your free demo