Carboxify™ Every Stage of the Patient Journey

The CO2Lift® R4 Protocol helps providers deliver more comprehensive care and support the patient experience beyond the procedure itself.

LEADING THE ADVANCEMENT OF TOPICAL CARBOXYTHERAPY

CO2Lift® is shaping how topical carboxytherapy is understood and integrated across aesthetics, surgery, and professional care.

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Contents

The R4 Protocol 3
One Technology. Four Recommended Pathways.

Renew 4
Immediate support for hydration, luminosity, and skin maintenance.

Reinforce 5
Support the procedure. Strengthen the patient experience.

Reset 6
A structured series for patients who need a skin reset.

Recover 7
A structured series for patients who need a little more support.

Reset & Recover – Surgical Perioperative Series 8
Surgical preconditioning and full recovery in one series.

Rescue 8
Physician-directed framework for the most demanding points in the patient journey.

Quick Reference Guide By Procedure 9

Safety & Regulatory 9

Real Patients. Real Results. 10

Notes 11

One Technology. Four Recommended Pathways.

EXPERT-CONSENSUS FOUNDATION

The R4 Protocol provides a structured approach to matching each patient's procedure intensity, tissue status, and goals to the right protocol. Each tier is designed to support a distinct phase of the skin's physiological response, with the framework further refined and endorsed through expert consensus.*

PROTOCOL	PURPOSE + RECOMMENDED TREATMENTS	STRUCTURE	INTENSITY
RENEW	Hydration, luminosity, and skin maintenance Standalone facial • Consultation experience • Monthly maintenance	1 treatment Single application	Maintenance
REINFORCE	Support for mild-to-moderate interventions Non-ablative lasers • Superficial peels • Injectables • PRP injections • Microneedling and superficial RF microneedling	3 treatments 1 pre + 2 post	Moderate
RESET/ RECOVER	Preconditioning and recovery for more demanding interventions Aging or compromised skin • Ablative/fractional resurfacing • Deeper energy procedures • Surgery • Biostimulatory agents	6–12 treatments Full series	Restorative
RESCUE	Physician-directed intensive support for acute compromise Ecchymosis • Threatened tissue following a procedure	Up to 2x daily Physician-directed	Intensive

CORE PREPARATION AND APPLICATION PRINCIPLES

01 With topical anesthetic, stay within the anesthetic's maximum dose, surface-area, and application-time limits. The gel layer may act as an occlusive and increase systemic absorption.

02 Apply in a thick layer so that after 45 minutes the gel lifts as a cohesive membrane. Flaking means the layer was too thin.

03 Apply broadly, not only to the visible area of concern or the incision line.

04 After ablative resurfacing, wait until the skin has cooled and is no longer weeping, typically at least 24–48 hours. Final timing is at the provider's discretion.

05 Teach home application at the preprocedure visit. After the procedure, sedation or anxiety can make instructions harder to retain.

ADMINISTRATION

One standard treatment covers approximately one face. Body and surgical uses commonly require multiple treatments; abdominoplasty typically takes two. Do not spread product thinly to stretch coverage. Treatment packets are single use; do not save product for a second application, as this reduces effectiveness.

*Ahmad J. et al. Topical Carboxytherapy Gel: Evidence, Limits, and Clinical Use. Accepted for publication in ASJ Open Forum, November 2026.

LOW-DOWNTIME AND ONGOING CARE

RENEW – 1 TREATMENT

Immediate Support for Hydration, Luminosity, and Skin Maintenance



Renew is designed for standalone facial treatments and for patients seeking consistent monthly maintenance. The single-treatment protocol supports a visibly refreshed appearance without a multi-treatment series or postprocedure protocol.

It also gives providers a simple way to introduce topical carboxytherapy during a consultation or incorporate CO2Lift® Pro into an existing facial menu.

RECOMMENDED TREATMENT TYPES

- Standalone facial treatments
- Consultation experience
- Monthly maintenance

TREATMENT #	DAY # / TIMING	APPLICATION INFORMATION
01	SINGLE APPLICATION In office or as directed by the provider	Apply as a standalone facial treatment, after an appropriate low-downtime procedure, or as part of an ongoing monthly skin-maintenance plan.

WHAT RENEW SOLVES FOR PROVIDERS

Renew turns a single treatment into a consistent, easy-to-recommend experience that can support patient engagement between more intensive procedures.

MILD TO MODERATE PROCEDURAL SUPPORT

REINFORCE – 3 TREATMENTS

Support the Procedure. Strengthen the Patient Experience.

Reinforce gives providers a defined pre- and postprocedure pathway for integrating CO2Lift® Pro around mild-to-moderate intensity treatments. It helps practices deliver more thoughtful procedural support while giving patients a clear role in their care before they arrive and after they return home.

RECOMMENDED TREATMENT TYPES

- Injectables
- PRP injections
- Non-ablative lasers
- Superficial peels
- Traditional and RF microneedling

TREATMENT #	DAY # / TIMING	APPLICATION INFORMATION
01	PRETREATMENT Night before (Day –1)	Apply the night before to hydrate and condition the skin. Starting from well-prepared skin helps support a smoother recovery.
02	IMMEDIATE POSTPROCEDURE Day 0	Apply immediately after the procedure when skin condition permits. May reduce erythema and support comfort. Apply after injections to help manage visible bruising.
03	EARLY RECOVERY Day 1 or 2	Home application for barrier repair, hydration, and recovery support.

WHAT REINFORCE SOLVES FOR PROVIDERS

A successful procedure is only one part of the patient experience. Reinforce creates a consistent recommendation your team can use to support procedural readiness, visible recovery, and ongoing patient confidence.

A FOUR-WEEK SKIN RESET

RESET – 6 TREATMENTS

A Structured Series for Patients Who Need a Skin Reset

Reset gives providers a structured course of topical carboxytherapy for patients who would benefit from more concentrated skin support. Use it as a standalone series to reset skin quality, or before a procedure to precondition tissue and optimize results. The protocol turns an individual treatment into a guided program with clear timing, expectations, and opportunities to evaluate progress. Reset is built on published clinical research: the same six-treatment, four-week schedule used in a CO2Lift® Pro study produced significant improvements in luminosity, radiance, texture, and elasticity.[1]

RECOMMENDED TREATMENT TYPES

- Dull, dehydrated, or tired-looking skin
- Aging or stressed skin
- Seasonal or post-travel skin reset
- Pre-event skin preparation
- Preparation for upcoming procedures
- Between-treatment skin support

TREATMENT #	WEEK #	# OF APPLICATIONS	APPLICATION INFORMATION
01–03	WEEK 1	3 applications	**Conditioning phase.** Three applications close together help hydrate and condition the skin early in the series.
04	WEEK 2	1 application	Weekly application maintains skin hydration and conditioning.
05	WEEK 3	1 application	Continued weekly application for a smoother, more refreshed look.
06	WEEK 4	1 application	Completes the series for visibly renewed skin. Continue with monthly maintenance or move into Recover before a procedure.

TURN A TREATMENT INTO A COMPLETE CARE PLAN

- **Teach application before patients leave.** Do the first application in the office, or walk patients through it, so they're confident using it at home and stay on schedule.
- **Check in weekly to stay connected.** A quick message, call, or photo update each week keeps patients on track and keeps your practice top of mind. Those check-ins let you see progress without an appointment and set up natural conversations about next steps, such as an upcoming procedure or maintenance.
- **Bring patients back at the end of Week 4.** Schedule a short follow-up visit to compare before-and-after photos, review results, and recommend monthly maintenance or the next treatment.
- **Pair Reset with upcoming procedures.** Recommend it to patients scheduled for resurfacing, injectables, or surgery about four weeks ahead, so preparation at home leads directly into Recover.

[1] Draelos ZD, Shamban A. A pilot study evaluating the anti-aging benefits of a CO_2-emitting facial mask. J Cosmet Dermatol. 2023;22(8):2198-2204. doi:10.1111/jocd.15860

MODERATE TO AGGRESSIVE PROCEDURES

RECOVER – 6 TREATMENTS

A Structured Series for Patients Who Need a Little More Support

Recover supports the skin from the night before a procedure through early recovery. When the first postprocedure treatment begins depends on the procedure. Less intensive treatments, such as non-ablative lasers, can be followed immediately. More intensive treatments, such as ablative resurfacing, require waiting until the skin has cooled and is no longer weeping (typically at least 24 hours for moderate-density fractional and 48 hours for fully ablative) before the series continues. In a randomized, placebo-controlled study published in the *Journal of Drugs in Dermatology*, CO2Lift® Pro used after fractional CO_2 laser resurfacing significantly accelerated recovery compared with the control group, including faster resolution of erythema and barrier recovery.[2]

RECOMMENDED TREATMENT TYPES

- Ablative and fractional resurfacing
- Deeper energy-based procedures
- Biostimulatory agents
- Surgical cases

LESS INTENSIVE TREATMENTS – IMMEDIATE START

TREATMENT #	DAY # / TIMING
01	Day –1 Pretreatment, night before
02	Day 0 Immediately postprocedure
03	Day 1–2 Postprocedure
04	Day 3 Postprocedure
05	Day 4 Postprocedure
06	Day 5 Postprocedure
	MAINTENANCE Monthly

MORE INTENSIVE TREATMENTS – DELAYED START

TREATMENT #	DAY # / TIMING
01	Day –1 Pretreatment, night before
02	Day 1–2 Delayed start postprocedure
03	Day 3 Postprocedure
04	Day 4 Postprocedure
05	Day 5 Postprocedure
06	Day 6 Postprocedure
	MAINTENANCE Monthly

TURN A TREATMENT INTO A COMPLETE CARE PLAN

- **Include it in the procedure package.** Build Recover into the price of qualifying procedures so every patient receives it as part of their aftercare rather than as an optional add-on.
- **Dispense and teach at the preprocedure visit.** The first treatment happens at home the night before, so patients need the kit beforehand. Teaching application at this visit also works better than after the procedure, when anxiety or sedation makes instructions harder to remember.
- **Give every patient a clear start date.** Note on each home-care schedule whether treatment starts immediately or is delayed, so patients know when to begin and don't start too early.
- **Use the follow-up visit to plan what's next.** Review results at the postprocedure appointment and recommend monthly maintenance, a Reset series, or the patient's next treatment.

[2] Hernandez-Rovira B, Villamaria E, Purushothaman K-R, et al. Topical carboxytherapy as an adjunct to skin recovery post-CO2 laser fractional resurfacing. J Drugs Dermatol. 2026;25(9):839-846. doi:10.36849/JDD.9635

SURGICAL PROCEDURES

RESET & RECOVER SURGICAL PERIOPERATIVE SERIES – 12 TREATMENTS

Use the surgical preconditioning and full recovery protocol for a structured perioperative series.

TREATMENT #	DAY # / TIMING	APPLICATION INFORMATION
01–03	Day –28 to –21	An intensive start to preconditioning that hydrates and conditions the skin across the full treatment area, beginning four weeks before surgery.
04	Day –14	Weekly application maintains hydration; reassess skin condition.
05	Day –7	Builds on earlier treatments for well-conditioned skin heading into surgery.
06	Day –1	Final preprocedure treatment to prime the skin the night before.
07	Day 0	Applied after closure on the day of surgery, when compatible with the operative and dressing plan, to begin postprocedure support.
08	Day 1	Early recovery application.
09–12	Day 2–5	Four at-home applications to support the skin through early recovery, timed around dressing changes.
	**MAINTENANCE** Monthly	Single ongoing treatment for skin health.

EXTENDED AND INTENSIVE PATHWAY

RESCUE – UP TO 2 TREATMENTS PER DAY

Physician-directed framework for the most demanding points in the patient journey.

TREATMENT #	DAY # / TIMING	APPLICATION INFORMATION
AS DIRECTED	Up to twice daily for a limited time, at physician discretion.	Apply broadly across the affected and surrounding skin. Document the area, timing, and skin appearance at each application.

Rescue supports, but does not replace, the provider's clinical assessment, standard of care, or management of a suspected complication.

QUICK REFERENCE GUIDE

BY PROCEDURE

Clinical application considerations by treatment type and use case. These are recommendations only. Treatment protocol is always at physician discretion.

Energy-Based Resurfacing & Peels

- Pretreat the night before, particularly for water-targeting devices.
- Apply immediately after non-ablative treatments. After ablative resurfacing, wait until the skin has cooled and is no longer weeping, typically at least 24–48 hours. Final timing is at the provider's discretion.
- TCA and phenol peels can follow the same timeline and protocols as ablative resurfacing procedures.

Microneedling/Superficial RF Microneedling

- Pretreat the night before.
- Apply immediately postprocedure.
- Apply Day 1 or 2 postprocedure.

Facial Surgery

- Apply at the end of the case with the patient still intubated; a plastic barrier may go over the gel before dressings.
- Apply well beyond the incision zone to include surrounding vascular territories.
- Rhinoplasty: apply intraoperatively when feasible, then resume at adhesive strip changes.

Body, Abdominoplasty & Breast

- Apply after closure to the operative field and surrounding tissue; barrier under garments where appropriate.
- Large fields need multiple treatments; abdominoplasty typically takes two.
- Patients taking GLP-1 receptor agonists carry higher wound-healing risk; proactive inclusion in postoperative protocols is recommended by consensus, not by controlled data.

SAFETY & REGULATORY

Anesthetic occlusion – With topical anesthetic, stay within the anesthetic's maximum dose, surface-area, and application-time limits. The gel layer may act as an occlusive and increase systemic absorption.

Compromised tissue – Adjunct use only. Never delay standard complication management for suspected vascular or tissue compromise.

Ablative timing – Do not apply until the skin has cooled and is no longer weeping, typically at least 24–48 hours after fully ablative treatments. Final timing is at the provider's discretion.

Regulatory – CO2Lift® Pro is a cosmetic product regulated in the US under MoCRA. Not intended to diagnose, treat, cure, or prevent any disease. Use in accordance with product labeling and professional judgment.

Real Patients. Real Results.

The R4 Protocol gives providers a starting point, and clinical expertise does the rest. These real patient results show how practices use CO2Lift® Pro based on each patient's skin, procedure, and goals.

CASE 1

Standalone Facial Treatment

CO2Lift® Pro use: One CO2Lift® Pro treatment as part of monthly maintenance, for visibly calmer, more even-toned and brighter-looking skin.

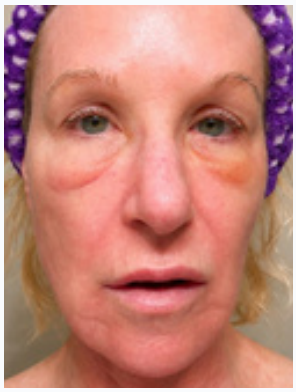



Courtesy of Sanctuary Med Spa

CASE 2

DEKA CO_2 Laser

CO2Lift® Pro use: Following DEKA CO_2 laser resurfacing, CO2Lift® Pro was applied once daily for three days, then every other day as needed, with visibly calmer, more even-toned skin by Day 3.

Courtesy of Natalia Guzman, FNP-C, CANS

CASE 3

Deep-Plane Lower Face and Neck Lift

CO2Lift® Pro use: Six CO2Lift® Pro treatments were used, starting immediately after the procedure and continuing through early recovery at home.




Courtesy of Lucas Boehm, MD

CASE 4

CO2Lift® Pro Skin Reset Program

CO2Lift® Pro use: The complete Reset series (3 treatments in Week 1, then 1 per week in Weeks 2–4), for brighter, more even-toned, and refreshed-looking skin.




Courtesy of Crystal Poon

Results shown are from real patients and have not been retouched. Individual results vary. Providers are responsible for using their clinical expertise to select the appropriate protocol, frequency, and timing for each patient. CO2Lift® Pro is a cosmetic product and is not intended to diagnose, treat, cure, or prevent any disease.

NOTES

YOUR CO2LIFT® CONTACT

Name: .....

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Phone Number: .....

CO2LIFT™

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CARBOXIFY™ EVERY STAGE OF THE PATIENT JOURNEY

Lead with expertise.
Support every stage of care.

CO2Lift® is helping define the role of topical carboxytherapy in modern professional care, giving providers a clinically informed framework for extending support before, alongside, and after professional treatments.

One Technology. Four Recommended Pathways.

RENEW • REINFORCE • RESET/RECOVER • RESCUE

A practical roadmap built around the patient, the procedure, and the provider's clinical judgment.

Explore clinical education and provider resources.

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