



GLOCAL  CURE

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Clinically Proven for Wound Healing
and Scar Management

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GLOCAL LAB is committed to healthcare innovations and solutions. Founded by a team of experienced pharmaceutical scientists and healthcare managers, each project here is grounded in real-world challenges, aiming to address issues and/or create added value.

Dermatoline comprises a range of "NUTRACEUTICALS" and complementary "COSMECEUTICALS" specifically developed by GLOCAL LAB for dermatology and aesthetic medicine.

Cica Glocal is a dedicated brand for repairing/soothing product of dermatoline.

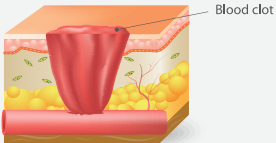
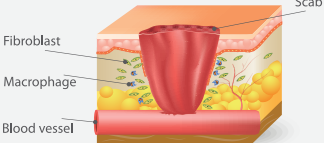
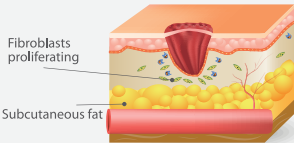
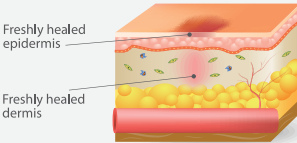
Cica Glocal capsules are formulated and produced by GLOCAL LAB in an FDA-approved facility that adheres to GMP standards. These capsules offer practitioners and patients an innovative and customized solution for managing the wound microenvironment, promoting optimal cicatrization.

BEYOND NUTRACEUTICALS TRULY DERMACEUTICALS

COMPONENTS	Per Capsule	% Daily Value	COMPONENTS	Per Capsule	%Daily Value
Vitamin C	80mg	89%	Zinc	15mg	136%
Iron	7mg	39%	Copper	1mg	111%
Vitamin D3	7.5mg	38%	Bromelain	200mg	*
Riboflavin	1.4mg	108%	Gotu Kola Extract	160mg	*
Niacin	16mg	100%	Asiaticosides	16mg	*
Biotin	50mcg	167%	Sodium Hyaluronate	40mcg	*

*Daily Value not established

HEALING/REPAIRING STAGES & CICA GLOCAL EFFECTS

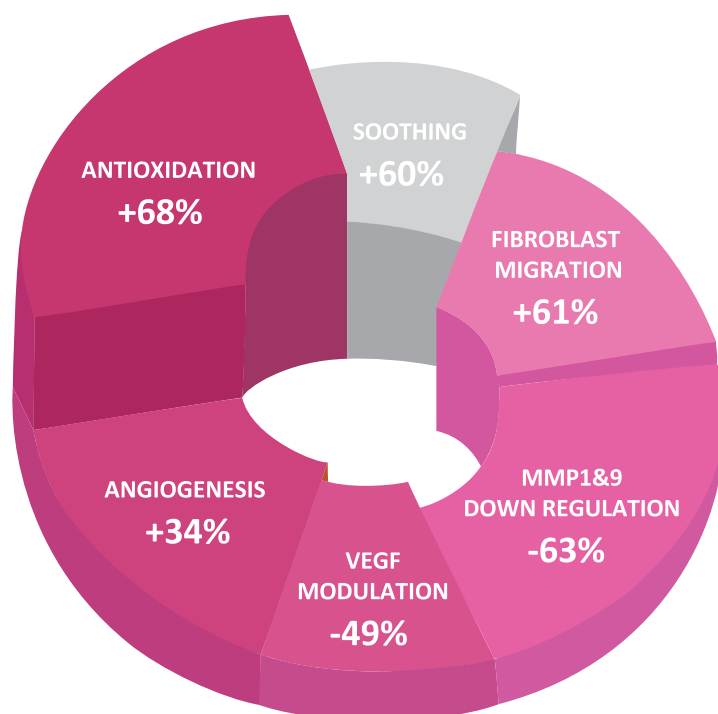
Step 1	Step 2	Step 3	Step 4
			
Hemostasis 1) Immediate 2) Vasoconstriction I. Constriction of the blood supply - The blood is transformed from liquid to gel II. Platelets start to clot - Prothrombin is released III. Formation of a scab 3) Immune system activation CICAGLOCAL ■ VITAMIN D ■ ZINC ■ COPPER	Inflammatory 1) Immediate to 2-5 days 2) Inflammation I. Opening of the blood supply II. Cleansing of the wound: - Neutrophils enter the wound - Macrophages arrive to continue CICAGLOCAL ■ BROMELAIN ■ CENTELLA ASIATICA ■ ZINC ■ VITAMIN C ■ VITAMIN D	Proliferative 1) 5 days to 3 weeks 2) Granulation I. New collagen is laid down II. New capillaries fill in defect 3) contraction - Wound edges pull together 4) epithelialization I. Cells cross over the moist surface II. Cells travel about 3 cm from point CICAGLOCAL ■ BROMELAIN ■ VITAMIN C ■ ZINC ■ CENTELLA ASIATICA ■ COPPER ■ VITAMIN D ■ VITAMINS B2,B3,H ■ HYALURONIC ACID	Maturation 1) 3 weeks to 2 years 2) Collagen forms which increases tensile strength to wounds I. Collagen fibers reorganize II. The tissue remodels and matures III. There is an overall increase in tensile strength 3) Scar tissue is generated - The build-up of collagen leads to scar tissue formation CICAGLOCAL ■ BROMELAIN ■ CENTELLA ASIATICA ■ ZINC ■ VITAMIN C ■ VITAMINS B2,B3,H ■ HYALURONIC ACID

The care of injured skin is a significant healthcare concern. Treating burns, surgical and trauma wounds, diabetic ulcers, skin injection sites, and presents a major medical challenge, with current therapies primarily centered around supportive care measures. A successful repair process necessitates a sequence of tightly coordinated steps, including coagulation, inflammation, angiogenesis, new tissue formation, and extracellular matrix remodeling. CICA GLOCAL, as a holistic approach to soothing and repairing, is indicated for:

- Wound and Burn Healing
- Scar and Keloid Management
- Skin and Scalp Repair
- Edema, Erythema, and Bruise Control
- Ecchymosis and Hematoma Control
- Inflammation and Pain Relief
- Discoloration and PIH Correction
- Post-Surgical and Injury Recovery
- Stretch Mark Reduction

POSOLOGY

Category A	Office-Based Surgeries (OBSs) Like dermal and epidermal injections, subcisions, lasers & lights, abrasions & peelings, ocular procedures biopsies, sutures, laparoscopy, labiaplasty, cryosurgery, D&C, hair transplantation, trauma, debridement of deep burns, dental surgeries	1-2 caps per day for 10-20 days
Category B	Emergencies of ischemia & necrosis and complicated wounds	2-3 caps per day for 10-15 days
Category C	Major surgeries C-section, episiotomy, abdominoplasty, body sculpting/contouring, gingival grafting, liposuction, long bone fractures, ligament sprains, rhinoplasty, open wounds and burns,...	2 caps per day for 10-15

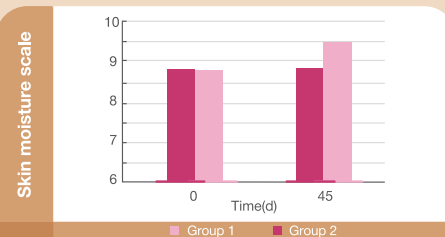


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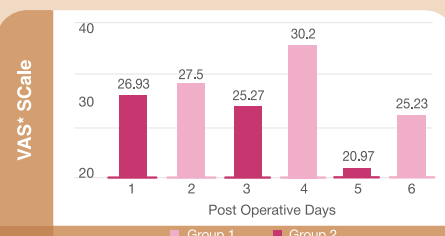
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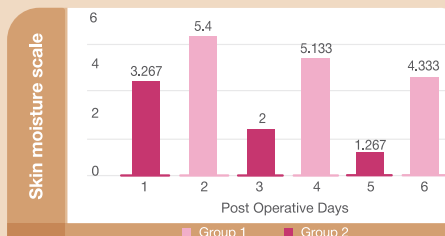
A 38 YEARS-OLD WOMAN WITH A KNIFE INJURY SHOWED SIGNIFICANT IMPROVEMENT USING CICA GLOCAL CAPSULES 1 CAP/DAY UP TO 30 DAYS.



SKIN MOISTURE CONTENT SCALE WITH CICA GLOCAL (GROUP 1) vs. CONTROL (GROUP 2)



POST OPERATIVE SWELLING SCALE WITH CICA GLOCAL (GROUP 1) vs. NSAID (GROUP 2).



POST OPERATIVE PAIN SCALE WITH CICA GLOCAL (GROUP 1) vs. NSAID (GROUP 2).

VAS*: Visual Analogue Scale

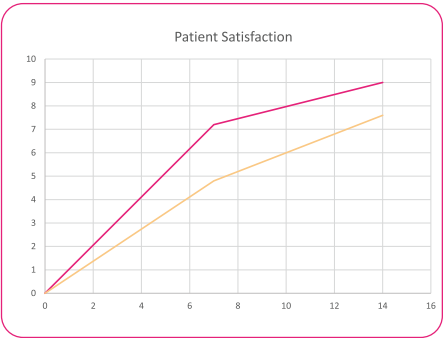
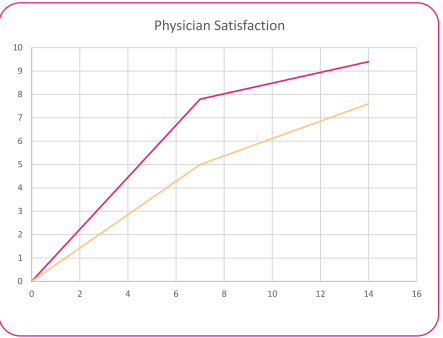
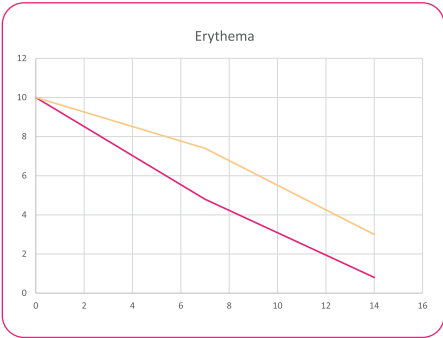
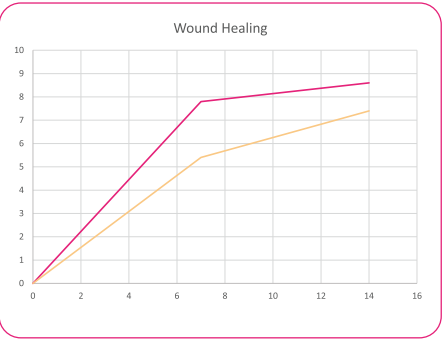
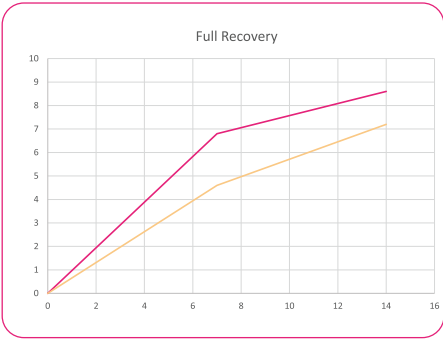
Formulated by and manufactured under the supervision of:



Distributed by:



Investigating the Efficacy of Oral Cicaglocal on Wound Healing after Mohs Surgery in Patients with Basal Cell Carcinoma: A Double-blind, Placebo-controlled Clinical Trial



—●— Placebo
—●— CICAGLOCAL

Population: 24 Subjects
Duration: 14 Days
Assessments Interval: 7 Days
Administration: PO, QD

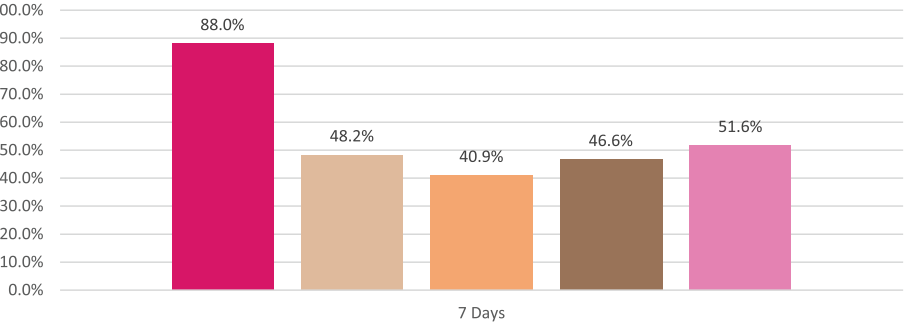


Efficacy: There was a significantly difference in improvement between active and placebo groups.

Safety: CICAGLOCAL capsules were well-tolerated by patients and no adverse reactions and/or seious discomforts were reported.



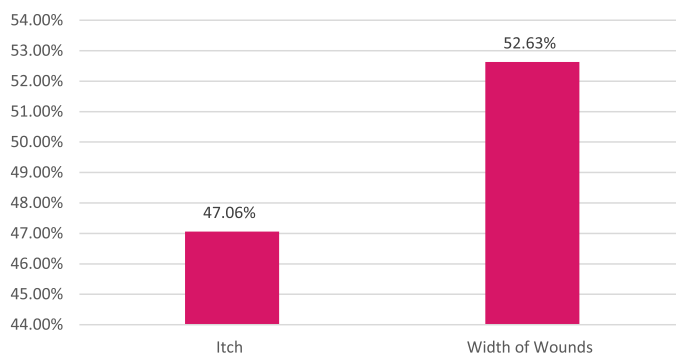
Improvement Rates - Compared to Placebo



■ Erythema ■ Full Recovery Score ■ Early Healing Score
■ Patient Satisfaction Score ■ Physician Satisfaction Score

Investigating the Efficacy, Compliance and Safety of Cicaglocal Capsules in Patients with Epidermolysis Bullosa

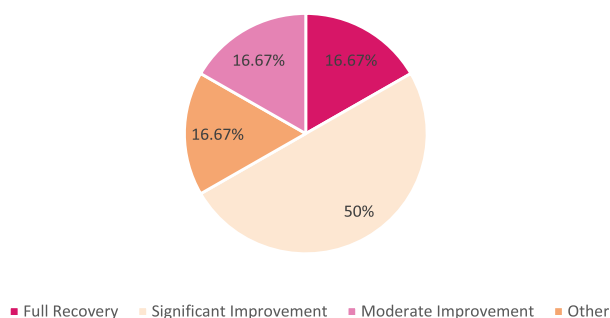
Improvement Rates - After 28 Days



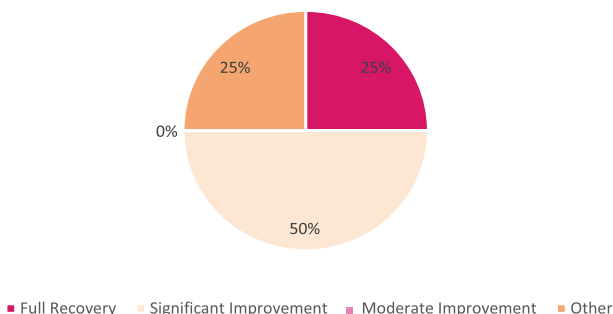
Patients POV on Medication with CICAGLOCAL®



Physician's Assessment



Patient's Assessment



Population: 12 Subjects **Duration:** 28 Days
Administration: PO, QD

Efficacy: There was a significant improvement in severity of itching and width of wounds before and after treatment.

Safety: CICAGLOCAL capsules were well-tolerated by patients and no adverse reactions and/or serious discomforts were reported.

Investigated by:

Dr. Mohammadmehdi Parvizi
 Dr. Nasrin Saki, Dr. Sara Nayebe



Cica GlocalCure Mechanisms of Action:

- Thanks to 200 mg (500 GDU) **BROMELAIN**, it Decreases PG E2, Substance P, Thromboxane A 2, and Bradykinin and Increases cAMP, TGF- β , IL-1, PG E1, and PG I2 which are the main mediators of triggering and down regulation of acute inflammation. These Anti- inflammatory, Anti-oedematous, Analgesic, Anti-thrombotic, Vasoconstriction, and Fibrinolytic effects lead to less edema, pain, bruise, and scar formation mediated through the kallikrein-kinin and arachidonic acid pathways as well as cell mediated immunity. BROMELAIN equals NSAIDs as an anti-inflammatory agent, but has been shown to have fewer side effects. These systemic effects are not limited to outer layer of skin but also soft tissues and mucus.
- Cica GlocalCure delivers ≥ 16 mg **ASIATICOSIDES Complex** which are Triterpenes with synergistic Anti-inflammatory, Antioxidant, and Anti-stress effects on wound healing and (hypertrophic) scar prevention. Increasing the Fibroblasts proliferation, Collagen synthesis, Angiogenesis, intracellular Fibronectin, and Stretching Strength of newly formed skin are some mechanisms of their action on wound microenvironment. In addition, ASIATICOSIDES inhibit the inflammatory phase of scars especially hypertrophic scars.
- Forty milligrams of **HYALURONIC ACID** in Cica GlocalCure has positive “Structural” and “Functional” impacts on wound microenvironment. HA is a major part of extracellular fluid with extraordinary water retention capacity. Additionally, quicker re-epithelialization (in particular when combined with ASIATICOSIDES), increased collagen type III synthesis, and boosted expression of tissue repair-related genes are some functional roles of HA even in diabetic foot.
- **VITAMINS:** The **B-vitamin** group is responsible for several immunological and anabolic processes in wound healing. **Vitamin C** is involved in cell migration, collagen synthesis, and angiogenesis, while **Vitamin D** plays a role in the structural and transport processes of epithelial cells and wound healing.
- **MINERALS:** **Zinc** serves as a cofactor for metalloenzymes with multiple immunologic, structural, and functional responsibilities. Zinc plays crucial roles in collagen synthesis, fibroblast proliferation, extracellular matrix synthesis, cell migration, membrane repair, and epithelialization, all of which are essential in both the proliferative and remodeling phases. **Iron** deficiency can result in tissue ischemia and defects in collagen synthesis. Furthermore, **copper** has recently been found to have various roles in tissue repair and wound healing, primarily through the expression and activation of proteins, enzymes, and cytokines involved at the wound site.

INDICATION & ADMINISTRATION:

Prophylactic:

Cica GlocalCure can be initiated a week before surgery and continued for several days afterward, tailored to the surgery's intensity and the risk of keloid scar formation. Administering Cica GlocalCure before surgery can reduce the average duration for pain and post-surgery inflammation to completely subside. Additionally, oral Cica GlocalCure does not elevate risk of postoperative bleeding.

Monotherapy:

Cica GlocalCure can serve as a standalone therapy for minor surgeries and post-office-based procedures. It is also suitable as monotherapy for addressing bruises, edema, or minor burns. Clinical trials indicate that Cica Glocal effectively reduces swelling, bruising, and pain after surgeries. Moreover, it is employed for managing acute inflammation and sports injuries.

Combination Therapy:

Cica Glocal can be integrated into combination therapy protocols without the concern of drug interactions. This approach leverages synergistic effects with standard protocols, leading to enhanced outcomes and shortened healing/recovery periods.

Explore our line of products, available in both capsule and cream formats, offering innovative solutions for wound healing and scar management. Discover the comprehensive solutions we provide.



1st DAY 2nd DAY 3rd DAY



A 38 year old man showing acute symptoms of sunburn after cycling. Using 1 cap/day of **CICAGLOCAL**, this mono-therapy strategy left no signs of burning after 3 days.

1st DAY 10th DAY 60th DAY



A 38 year old woman with a knife cut on the forearm. Using 1 cap/day of CICAGLOCAL following the first day of suturing, the mono-therapy strategy healed the cut and left no scars.

Day of procedure After procedure Showing inflammation Using CICAGLOCAL 1 cap/day for 3 days



A 28 year old women used 1 cap/day of CICAGLOCAL for 3 days to reduce inflammation following plasmajet therapy for rejuvenation.

1st DAY



60th DAY



90th DAY



A 34-year-old woman who suffered a skull fracture utilized a combination therapy approach for keloid treatment. This involved 1 cap/day of CICAGLOCAL, in conjunction with standard keloid treatment protocols, for a duration of 3 months. The combined treatment successfully facilitated the healing of the keloid scar that had formed in the sutured area.

PIH relieving



A 26-year-old woman underwent micro-needling to treat her melasma but experienced post-inflammatory hyperpigmentation (PIH) following the procedure. She employed a combination therapy, utilizing both DEPIGMAGLOCAL and CICAGLOCAL, which effectively alleviated the PIH and resulted in brighter skin.

1st day post surgery 2nd day post surgery 6th day post surgery



A 27-year-old man, with no known pre-disposing factors, displayed signs of ischemia and necrosis 2 days after undergoing hair transplant surgery. This condition was successfully managed using a combination therapy strategy, incorporating CICAGLOCAL at a dosage of 3 cap/per day for 6 days, in conjunction with standard necrosis protocols.

SAFETY DATA SHEET:

CICAGLOCAL is a Multidisciplinary Formula containing:

■ BROMELAIN:

Bromelain has demonstrated low toxicity in various studies. During oral administration, the median lethal dose was found to be greater than 10 g/kg in multiple investigations. Intravenous and intraperitoneal administration of bromelain resulted in median lethal doses ranging from 20 to 35 mg/kg and from 36.7 to 85.2 mg/kg, respectively. A review of clinical studies examining the effects of bromelain did not report any serious adverse events. In conclusion, when administered orally, bromelain exhibits low toxicity.

■ ASIATICOSIDES:

An oral dose of 10g/kg of Centella asiatica extract (containing 80% saponins) did not show any signs of toxicity during a 14-day observation period. Additionally, in a subchronic study, doses of up to 1g/kg were administered daily for 90 days without any clinically significant toxicological symptoms being observed.

■ HYALURONIC ACID:

Since the skin's turnover rate is commonly understood to be 28 days, achieving functionality through oral consumption of HA would necessitate sustained, long-term intake. The safety of human ingestion of 200 mg/day of HA over a 12-month period, constituting a prolonged duration of consumption, has been verified. Furthermore, multiple safety studies have been carried out, all confirming its safety. As a result, HA can be considered a food ingredient suitable for ongoing, extended consumption.

■ VITAMINS:

- Vitamin C (as L-ascorbic acid) 80.00 mg (eq to 89% Daily Value & 100% NRV)
- Vitamin B3 (as nicotinamide) 16.00 mg (eq to 38% Daily Value & 100% NRV)
- Vitamin D (as cholecalciferol) 7.5 mcg (eq to 150% Daily Value & 150% NRV)
- Vitamin B2 (as riboflavin) 1.4 mg (eq to 108 % Daily Value & 100% NRV)
- Biotin 50mcg(eq to 167% Daily Value & 100% NRV) All in accepted range according to

■ MINERALS:

- Iron (as iron fumarate) 7.00 mg (eq to 39% Daily Value & 50% NRV)
- Zinc (as zinc oxide) 15.00 mg (eq to 136% Daily Value & 150% NRV)
- Copper (as anhydrous copper sulfate) 1 mg (eq to 100% Daily Value)

*Daily Value not established

NRV means 'Nutrient Reference Value'. NRVs were set up by the EU Food Information for Consumers Regulation 1169/2011 to provide guidance levels on the daily amount of vitamins and minerals the average healthy person needs to prevent nutrient deficiency.

Vitamin & Minerals	Nutrient Reference Value (NRV)	Daily Safe Upper Levels (SUL)	CICAGLOCAL Values
Vitamin D (Cholecalciferol)	5 µg	25 µg	7.5 µg
Vitamin B2 (Riboflavin)	1.4 mg	40 mg	1.4 mg
Niacin	16 mg	500 mg	16 mg
Biotin	50 µg	900 µg	50 µg
Vitamin C (Ascorbic Acid)	80 mg	1000 mg	80 mg
Copper	1 mg	10 mg	1 mg
Iron	14 mg	17 mg	7 mg
Zinc	10 mg	25 mg	15 mg