

Scar Therapy

Surgery, accidents and infection can all result in lasting scars that may serve as painful reminders to your patients. But innovations in compounded scar formulations help to more effectively deliver the medicine you prescribe, while improving healing in the process.

Featured product:

PracaSil™ -Plus



Day 1



Day 60



11 months

CASE STUDY 1

Basal Cell Carcinoma Post-Surgical Scar

*A basal cell carcinoma patient used PracaSil-Plus for post-surgical scars – and reported a **75% overall improvement** in a period of 11 months.*

Treatment of basal cell carcinoma often requires surgical excision of the affected area and can result in destruction of the tissues and skin scarring. For this patient, the cancerous cells were located at the tip of his nose; after surgical removal, the surgeon used graft skin taken from the patient's forehead to patch the affected area. Once the wound closed, the patient used PracaSil-Plus one to two times a day to help improve the appearance of scarring. Following PracaSil-Plus, the post-treatment scar was no longer painful or itchy and looked and felt (color, stiffness, thickness and irregularity) very much like normal skin.



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Help make a dramatic difference for patients with scarring.

Scarring can have many causes, including surgeries, accidents, infections and burns. Regardless of the source, many scars impact patients in ways that are much more than skin deep.

PCCA **PracaSil™-Plus** is the only compounding base created for scar therapy – and it's helping make a huge difference for patients with scars, including keloid and acne scars.

That's because its proprietary blend of ingredients, including silicones (in a semipermeable polymer network that's ideal for healing) and Pracaxi oil (which is rich in skin-friendly fatty acids and lipids):

- Provides long-lasting moisturization, protects the skin's barrier and reduces water loss
- Promotes a healing, soothing and nurturing environment

PracaSil-Plus is ideal for:

- All kinds of scars, including new scars, old scars, surgical scars, keloids, stretch marks (from pregnancy or growth), acne scars and more
- Formulations with pain relievers, steroids, debriding ointments and more
- Surgery centers, plastic surgeons, weight loss clinics, orthopedics, bariatric surgery centers, OB/GYN

Anecdotally, the directions for use are typically: Apply twice daily for 10-14 weeks.

BENEFITS:

- Appropriate for new or old scars
- Rich in skin-friendly fatty acids and lipids
- Can be used with or without active ingredients
- Free of gluten, casein, dye and parabens, among other allergens

RELATED SPECIALTIES:

- Dermatology
- General surgery
- Plastic surgery
- Burn and trauma
- Oncology
- Radiation therapy
- General practice
- Pain management
- Pediatrics
- Sports medicine

PracaSil-Plus is commonly formulated with the following active pharmaceutical ingredients:

- | | |
|--------------------|----------------------|
| • Ascorbic Acid | • Hyaluronidase |
| • Beta Glucan | • Mupirocin |
| • Betamethasone | • Pentoxifylline |
| • Caffeine | • Sodium Hyaluronate |
| • Collagenase | • Tamoxifen Citrate |
| • Dimethyl Sulfone | • Tranilast |
| • EGCg | |

IDEAL FOR:

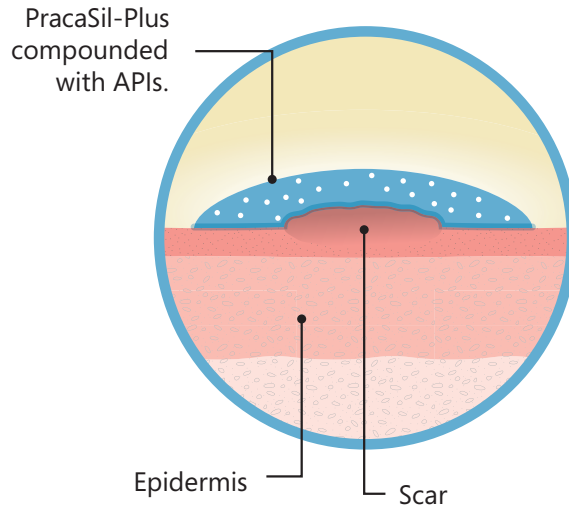
- | | |
|------------------|----------------------|
| • Old scars | • Acne scars |
| • New scars | • Burns |
| • Surgical scars | • Diabetic wounds |
| • Keloids | • Hypertrophic scars |
| • Stretch marks | |

MODE OF ACTION

This unique base features a proprietary blend of ingredients, including Pracaxi oil and silicone. Here's how it works:

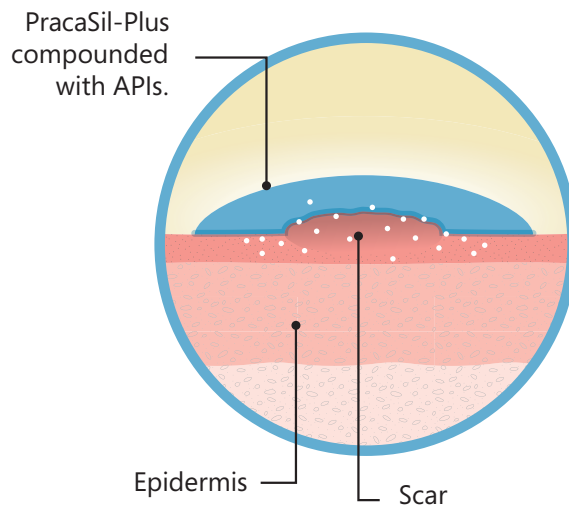
PROTECTION

The combination of silicone and pracaxi oil protects the skin barrier and reduces water loss.



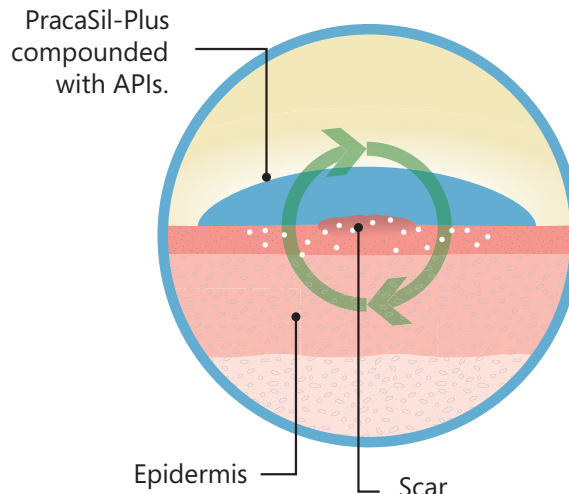
DELIVERY OF APIs

Fatty acids found in Pracaxi oil have been shown to enhance topical delivery of many APIs.



BENEFITS

Fatty acids also have properties that promote a healing, soothing and nurturing environment.



Proof positive.¹

100%

of the subjects showed improvement in **scar texture/ smoothness**.

Scar texture/smoothness was reduced 22.32%.

74.3%

of the subjects showed improvement of **scar pigment intensity**.

Scar pigment intensity was reduced 17.56%.

TECHNICAL REPORTS¹ AND JOURNAL ARTICLES²

Technical Report:

Efficacy of PracaSil™-Plus in the Improvement of Scar Appearance – Part 1

Abstract:

The efficacy of PracaSil-Plus in scar therapy treatment was evaluated by visual and instrumental methods in an eight-week, randomized, double-blind, controlled study. The evaluations were conducted at week zero (baseline) and at week eight. PracaSil-Plus showed qualitative and quantitative improvements in the following scar attributes: scar length, scar color/pigment intensity, scar texture/smoothness/roughness, and overall appearance in both old scars and new scars.

Technical Report:

Efficacy of PracaSil™-Plus in the Improvement of Scar Appearance: A Randomized, Double-blind, Controlled Study – Part 2: Comparison with a Reference Commercial Scar Product

Abstract:

The efficacy of PracaSil-Plus in the improvement of scar appearance vs. a reference commercial scar product was evaluated by visual and instrumental methods in an eight-week, randomized, double-blind, controlled study. PracaSil-Plus outperformed the reference scar product and showed superior qualitative and quantitative improvements in scar color, smoothness and roughness.

Technical Report:

In Vitro Evaluation of the Safety Profile of PracaSil™-Plus on Human Melanoma Tissue

Abstract:

The purpose of this study was to evaluate the safety profile of PracaSil-Plus on the progression of melanoma, a cancerous skin condition that often leads to surgical removal of the affected tissue, which results in skin scarring. Using the MLNM-FT-A375 human melanoma tissue model, the study demonstrated that PracaSil-Plus did not contribute to the progression of melanoma cells when compared to untreated tissues. Therefore, PracaSil-Plus may be regarded as a safe treatment option to be used by compounding pharmacists in scar management therapy.

Journal Article:

From the December 2014 edition of “Dermatology and Therapy”

Abstract

The objective of this study was to evaluate the usefulness of fatty acids found in Pracaxi oil in a compounded topical anhydrous silicone base for wound and scar therapy. Initially, 21 patients with various surgical, traumatic, or burn wounds and scars were enrolled into this case series. Patients applied a compounded topical anhydrous silicone base containing Pracaxi oil with or without additional active ingredients, including pentoxifylline, caffeine, tranilast, and mupirocin. Wound/scar photographs taken before and after application of the compounded Pracaxi oil topical formulation (with/without additional ingredients) were reviewed and adjudicated by a blinded dermatology reviewer.

A total of seven patients were considered available for analysis and were included in the study. In all seven cases, patients reported improvement in scar and wound attributes, including scar and wound size, severity, color, and pain associated with the scar or wound after application of the compounded medicine. On average, patients rated their satisfaction with treatment highly, with a mean score of 10 on a rating scale of 1–10. Retrospective review of wound/scar photographs demonstrated clinically relevant improvements in wound attributes as assessed by a dermatologist. Six of the seven wounds examined were considered “much improved” from baseline.

1. To learn more about the study, along with full technical reports and patient case studies, visit pccarx.com/pracasil.

2. “Case Series: The Effectiveness of Fatty Acids from Pracaxi Oil in a Topical Silicone Base for Scar and Wound Therapy,” *Dermatology and Therapy* December 2014, Volume 4, Issue 2, pp 259-269.

CASE STUDY 2

Facial Scarring

After she was severely scalded on her face and neck by hot water, this five-month-old patient was treated with Pracasil-Plus and experienced **significant improvement in just eight days**.

A five-month-old infant was severely scalded with a liquid on the face resulting in a major second degree burn. Following the incident, PracaSil-Plus was advised to be applied twice daily, in addition to a sterile bacitracin ointment.

Photographs were taken by the child's caregiver over the course of treatment and given to an independent, blinded dermatologist reviewer, along with a photo of the burn before the application of Pracasil-Plus as a baseline. Using a scale of "much worse," "worse," "neutral," "improved," and "much improved" when compared to the baseline, the reviewer graded the the infant's second degree facial burn after eight days of Pracasil-Plus treatment as "much improved."



Day 1



Day 8

CASE STUDY 3

Third-Degree Burn Scarring

This patient received a third-degree burn on his back, neck and ear after being involved in an explosion. PracaSil-Plus resulted in **complete healing within 21 days**.

An explosion at work left this patient deaf in the right ear with only 25% hearing in the left ear, along with third-degree burns on his back, neck and ear. He used PracaSil-Plus three times a week to the affected area, and after 21 days, his back, neck and ear were completely covered with a new layer of skin. The pigmentation was rebuilt and the new skin was smooth and soft.

That patient himself reported, "Because of the explosion, I thought I would have to spend the rest of my life physically scarred due to the burn ... PracaSil-Plus has been a miracle cream for me. People who are left with serious burn scars because of accidents like mine can be helped with the use of PracaSil-Plus. It may take longer to heal for some, but after you see the difference it makes, it is worth the continued use."



Day 1



Day 21

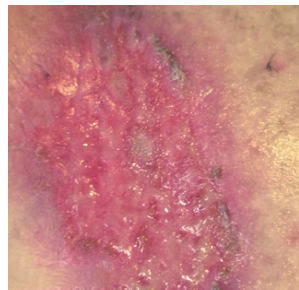
CASE STUDY 4

Open Wound Burn After Radiation

After developing an open wound from radiation therapy, this patient applied PracaSil-Plus and **healed completely within 11 days**.

Some life-saving treatments can have very painful side effects. For this patient, a diagnosis of cancer required radiation, but after 30 sessions of radiation, she started developing burns on the front and back of her shoulders, under her arms and on her face. The burns on her shoulders turned into open wounds and continued to worsen.

Her doctor prescribed two different commercial products that did not help with healing, and also caused additional painful burning in the area. Those products also stained her clothing. PracaSil-Plus was recommended by a pharmacist, and the patient started applying a thin layer on the affected areas twice a day. Her face healed within a few days and within 11 days, the shoulder wounds had completely healed with only a slight redness of the skin.



Day 1

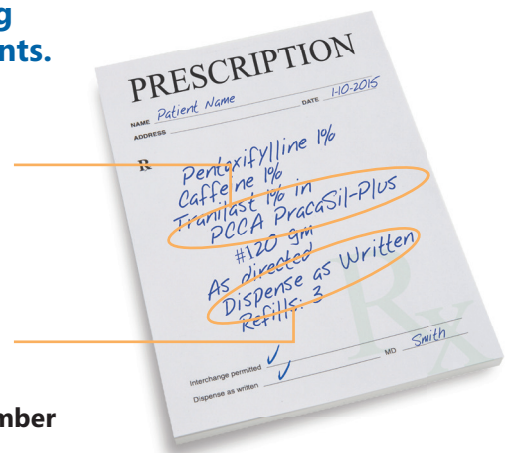


Day 11



Prescribing medication using PracaSil™ -Plus for your patients.

- 1 Specify PCCA PracaSil-Plus in your prescription(s).
- 2 Mark "Dispense as written" to ensure your patients get the only compounding base for scar formulations.



Available exclusively from **PCCA Member** compounding pharmacies.

Find one near you at FindaCompounder.com.



About PCCA

Compounding pharmacists make a difference for patients. And PCCA makes a difference for compounding pharmacists by providing the highest-quality products, education and support. Learn more about how we do it at pccarx.com.

PCCA USA
800.331.2498
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PCCA Canada
800.668.9453
pccarx.ca

PCCA Australia
02.9316.1500
pccarx.com.au

*PracaSil-Plus is exclusively available from **PCCA Member** compounding pharmacies.*

