

PharmaClinix®

Advanced Cosmeceuticals



- ❖ **Fast acting**
- ❖ **Complex formulations**
- ❖ **Clinically proven ingredients**
- ❖ **Economical price**

UK's top selling Professional Skincare



**PharmaClinix Ltd, Unit 3 Issigonis House,
Cowley Road, London, W3 7UN, UK**

Scar Repairex® Smooth

For Fresh & Superficial Scars

- ❖ Provide optimum conditions for rapid healing
- ❖ Minor cuts
- ❖ Fade scars
- ❖ Prevent keloids

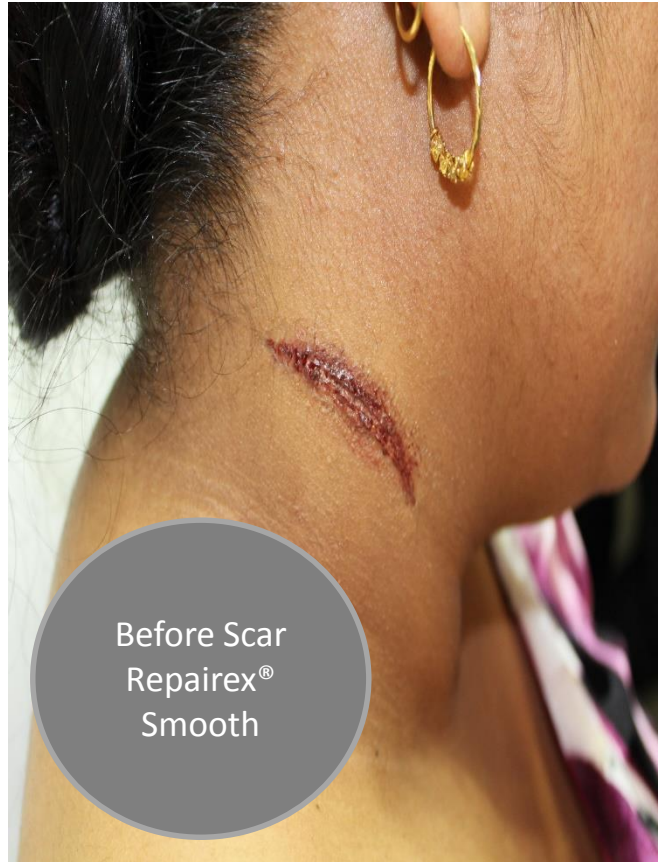
ref: scarrepairex.com



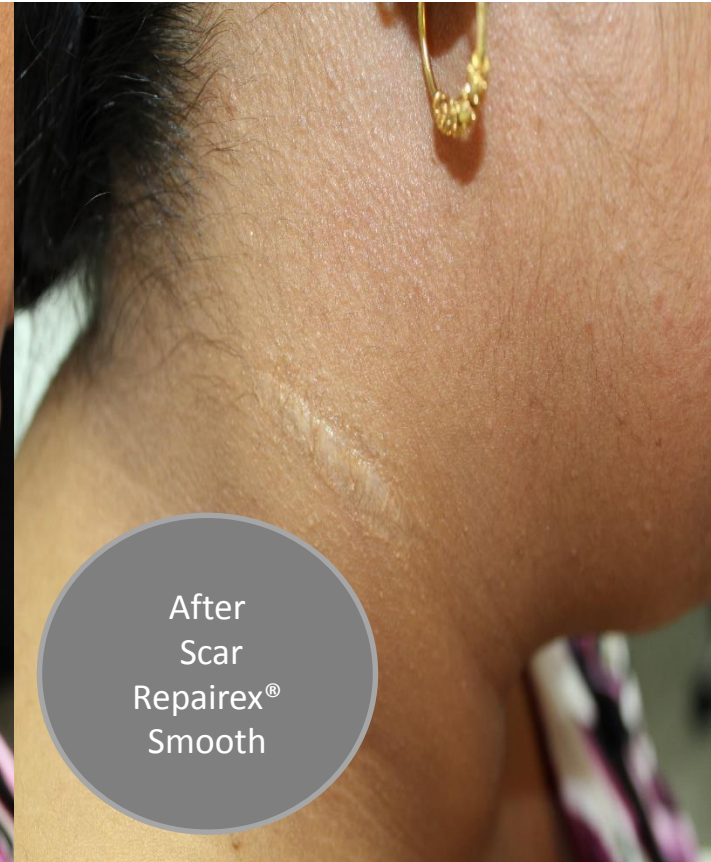


PharmaClinix[®]
Advanced Cosmeceuticals

Scar Repairex[®] Smooth



Before Scar
Repairex[®]
Smooth



After
Scar
Repairex[®]
Smooth

Scar Repairex® Smooth

INGREDIENTS:

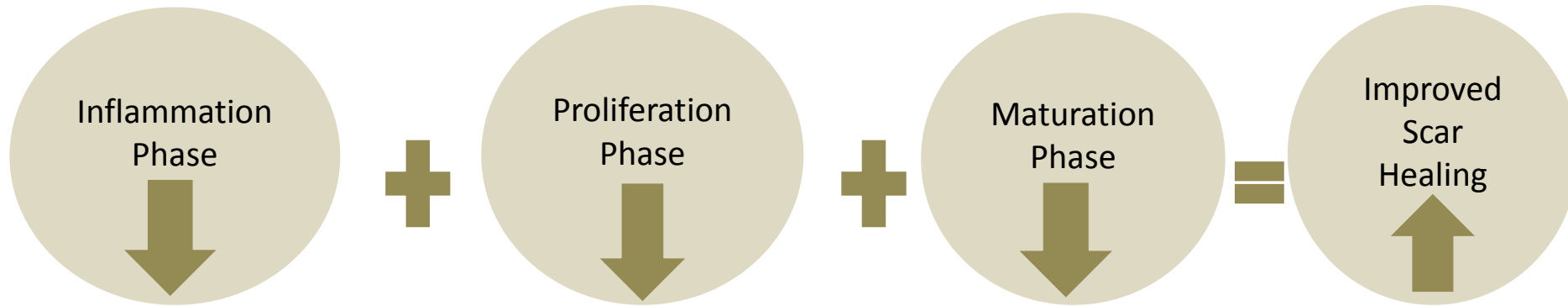
- ❖ Dimethicone & Cyclopentasiloxane silicone base
- ❖ Magnesium ascorbyl phosphate (Vitamin C) 2%
- ❖ Salicylic acid 2%
- ❖ Mixed tocopherols (Vitamin E) 1%



The Science behind Scar Repairex[®] Smooth

- ❖ Scar Healing improves when length of inflammation, proliferation & maturation phases are reduced as shown in figure on next slide,

The Science



1 Silicone rehydrates keratinocytes & Inflammatory Chemicals

2 **Salicylic Acid** (Anti-Inflammatory) Long term inflammation

3 **Vitamin E** (Anti-oxidant), Scavenges damaging free radicals thereby promoting epithelialization & granulation formation

4 **Magnesium ascorbyl** (Vitamin C) Anti-oxidant & promotes healthy collagen synthesis

How It Works?

- ❖ Silicone base is essential to prevent water loss from the skin. It encourages rehydration of keratinocytes which are the surface epidermal cells, that therefore stop producing chemicals which encourage inflammation.
- ❖ Magnesium ascorbyl phosphate provides the Vitamin C to promote healthy collagen synthesis.
- ❖ Salicylic acid 2% is an excellent anti-inflammatory agent (derived from aspirin). Residual inflammation is key in promoting scarring as shown by the effectiveness of steroid injection in treating keloids. Blocks irreversibly both COX1 & 2.
- ❖ Vitamin E is a fat soluble cell membrane anti-oxidant to protect the integrity of the cell.

How quickly does Scar Repairex[®] Smooth work?

- ❖ **2 Weeks** - Itching diminishes
- ❖ **6 Weeks** - Scar sizes reduces noticeably
- ❖ **8 Weeks** - Scar pigmentation reduces

Indications

- ❖ Any scar which is less than 1 year old. Tension line scars.
- ❖ Hypertrophic or Keloids, family history of scarring.
- ❖ Scar showing signs of changing with redness or itching.
- ❖ Patients with other scars on their body tend to scar badly after elective procedures. They should use Scar Repairex® Smooth from day 7 of the procedure for scar prophylaxis.
- ❖ Do not use in atrophic (sunken scars) or contracted scars which are mature.

Safe in pregnancy

Proof of Silicone on Scar Healing

Comparison of Silicone cream with Vaseline on 27 patients 14 split skin & 13 full thickness grafts with hypertrophic marginal scarring showed that in silicone treated cases:

- ❖ Pigmentation & Hardness of scar significantly lower in 78%
- ❖ Less marginal hypertrophy in 37%
- ❖ Narrower marginal scar in 22%
- ❖ Fewer wrinkles on grafted skin in 33%

BENEFIT OF SILICONE CREAM ON SCAR TISSUE British Journal of Plastic surgery. Volume 45, issue 2, 1992, 105-108 Yukimasa Sawada MD (Associate Professor), Ken Sone MD (Research Instructor) Dept of Plastic & Reconstructive surgery, Hirosaki University School of Medicine, 53 Hon - Cho, Hirosaki City, Aomori, Prefecture 036, Jpan

Proof of Silicone on Scar Healing

- ❖ A randomized trial on fourteen poststernotomy cardiac patients using silicone cream with symptomatic scars compared to standard Kenalog injection of established hypertrophic sternal scars with topical silicone.
- ❖ The average time to improvement was 39 days (silicone) versus 68 days (Kenalog). This study demonstrates that silicone provide earlier symptomatic relief and a more aesthetic scar and are the preferred treatment of patients with symptomatic hypertrophic scars.

Sproat JE, Dalcin A, Weitauer N, Roberts RS Department of Surgery, Hamilton General Hospital, Ont., Canada. Plastic and Reconstructive Surgery [1992, 90(6):988-92] Clinical Trial, Journal Article, Randomized Controlled Trial, Research Support, Non-U.S. Gov't

Evidence of Salicylic Acid 2% on Scar Healing

- ❖ 3 Case studies where a single scar on each patient was divided into 3 sections. One section was the placebo control, one section with hydrogel & third salicylic acid 2% with hydrogel.

RESULTS:

- ❖ At the end of the 60-day treatment protocol, the area treated with salicylic acid 2% and hydrogel was asymptomatic. In contrast, the control & hydrogel alone remained erythematous and symptomatic for burning pain and pruritus.

Case studies: Use of salicylic acid (Avosil) and hydrogel (Avogel) in limiting scar formation. J Burns Wounds. 2005 Mar 28;4:e6. Danielson JR, Walter RJ. Source: St. Mary's Hospital, Hobart, IN, USA

Evidence of Vitamin C on Scar Healing

Aim:

To verify the topical effect of ascorbic acid for the healing of rats' skin wounds.

Results:

Ascorbic acid:

- ❖ Reduces inflammatory macrophages
- ❖ Increases fibroblasts and new vessels
- ❖ Increased collagen type 1

Evidence of Vitamin C on Scar Healing

CONCLUSION:

- ❖ Ascorbic acid was shown to have anti-inflammatory and healing effects, guaranteeing a suitable environment and conditions for faster skin repair.
- ❖ Ascorbic acid for the healing of skin wounds in rats.

Braz J Biol. 2009 Nov;69(4):1195-201. Lima CC, Pereira AP, Silva JR, Oliveira LS, Resck MC, Grechi CO, Bernardes MT, Olímpio FM, Santos AM, Incerpi EK, Garcia JA. Source:Universidade José do Rosário Vellano, Alfenas, MG, Brazil.

Evidence of Vitamin E on Scar Healing

A clinical study comparing scars treated with corticosteroids, Vitamin E or a placebo.

- ❖ Scars were compared and showed Vitamin E modifies undesirable scar formation by working as a lysosomal stabilizer and an anti-inflammatory agent resulting in a better scar.

Inhibitory effects of vitamin E on collagen synthesis and wound repair. *Annals Surg.* 1972 February; 175(2): 235–240 H P Ehrlich, H Tarver, and T K Hunt

Scar Repairex[®] Smooth

An Independent Study using Scar Repairex[®] Smooth was conducted on 50 Volunteers between 21-65 years of age with scars as below:

- ❖ 25 Patients had Post-Operative Scars
- ❖ 15 Patients had Hypertrophic post Acne Scars
- ❖ 8 Patients had Keloids
- ❖ 2 Patients had thermal scars.

Scar Repairex[®] Smooth

10 Weeks of twice daily application showed:

- ❖ No skin irritation
- ❖ 46 patients (92%) had no skin tightening. Skin tightening was present in 4 volunteers who were using it on a large area for post-acne hypertrophic scars.
- ❖ 71% average increase in moisturization upto 5 hours.
- ❖ 41% average surface area (size of scar) Reduction of measured area of Scar.
- ❖ All symptoms of itching or burning were removed
- ❖ Mexameter 18 of the Courage -Khazaka company showed average melanin reduction by 30% and redness by 34%. Itching & discomfort was totally abolished.

Conclusion

Scar Repairex[®] Smooth Works

www.scarrepairex.com

