

Case Study: Facial Scars

PCCA PracaSil™-Plus



Summary: A compounded medicine containing PracaSil-Plus (**PCCA Formula #10649**) was applied topically on facial scars (old) and an overall improvement of the facial complexion was observed following only 3 weeks.

Case Description: A 22-year-old female was severely scarred on the face during a car accident in October 2009. After six plastic surgeries and the application of different products, the patient was still unsatisfied with her complexion. In March 2013, PCCA suggested a compounded medicine containing Pentoxifylline 1%, Caffeine 1% and Tranilast 1% in PracaSil-Plus topical gel (Figure 1) to be applied twice a day on the (old) facial scars (Yamada *et al.*, 1994; Nomura *et al.*, 2005; Isaac *et al.*, 2009).

Pentoxifylline USP	1 g
Caffeine USP Anhydrous	1 g
Tranilast	1 g
PCCA PracaSil™-Plus	97 g

Figure 1. PCCA Formula #10649

After 3 weeks of treatment, the patient was surprised by the softening of her skin and overall improvement of her complexion (Figures 2 and 3).



Figure 2. Patient facial scars (before PracaSil-Plus gel)



Figure 3. Patient facial scars (after PracaSil-Plus gel)

Patient Report: *I have tried many products with little satisfaction. PracaSil-Plus has shown amazing results in a very short amount of time. PracaSil-Plus reduced the redness of the scars and gave my skin a more uniform look and texture. I am very happy with PracaSil-Plus and I would recommend it to everyone.*

Acknowledgements: The patient is a PCCA staff member who agreed to share the information included in this case study. Figures 2 and 3 are courtesy of the patient. PCCA Science is grateful for the valuable information and figures shared by the patient.

Introduction: PracaSil-Plus is a proprietary anhydrous silicone base designed to be applied topically in scar therapy treatment (PCCA, 2013a). Silicones have been widely used for their occlusion and hydration properties, which are essential in scar management (Widgerow *et al.*, 2000; Mustoe, 2008). PracaSil-Plus also contains Pracaxi oil, extracted from the oilseed plant *Pentaclethra macroloba*, which has several medicinal applications including skin regeneration and healing (Costa *et al.*, 2013). PracaSil-Plus may be used alone or as a base for the incorporation of active substances in scar therapy treatment (PCCA, 2013a).

Research Studies: The efficacy of PracaSil-Plus in scar therapy treatment was evaluated by visual and instrumental methods in an eight-week, randomized, double-blind, controlled pilot trial conducted on eleven adult Caucasian subject volunteers. 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 (PCCA, 2013b).

References:

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